



# IMMUNOMETABOLISM

XLVI CONGRESS OF THE BRAZILIAN SOCIETY OF IMMUNOLOGY  
XIII ESCI - EXTRA SECTION OF CLINICAL IMMUNOLOGY

SÃO PAULO 2022 / SEPTEMBER 20 TO 24



FINAL PROGRAM

Organized by

---

# WELCOME LETTER

---

***Dear Friends and Colleagues,***

On behalf of the Brazilian Society of Immunology (SBI), we are pleased to welcome you in our Annual Congress during September 20th to 24th. We are happy to return to an in-person conference and see you again after a long period imposed by the pandemic.

The scientific program counts with the participation of renowned national and international speakers, with a special focus on the participation of young scientists. The congress has as its guiding theme the new area of knowledge within immunology, known as Immunometabolism. Thus, we will address how two disciplines, historically distinct, of biochemistry and immunology, are connected in a single area of knowledge. Immunometabolism has stood out as one of the fastest-growing areas within Immunology. Over the past decade, we are advancing in our understanding of how systemic metabolic changes modulate the cellular immune profile and how immune-mediated processes depend on cellular and systemic metabolic adaptations. The program will address new advances and paradigms in the area of Immunometabolism and its relationship with inflammatory, autoimmune, infectious, and tumor diseases.

Our scientific program was built on the excellence of previous SBI congresses, with conferences, symposia, oral presentation sessions by students and postdoctoral fellows, awards, and poster sessions. The oral presentations and poster session was given special attention so that they are the spotlight of our congress.

We are sure that you will have an excellent meeting. Welcome to São Paulo!

***The Organizing Committee!***



## IMMUNOMETABOLISM

XLVII CONGRESS OF THE BRAZILIAN SOCIETY OF IMMUNOLOGY  
XIII ESCI - EXTRA SECTION OF CLINICAL IMMUNOLOGY  
SAO PAULO 2022 / SEPTEMBER 20 TO 24

---

# TABLE OF CONTENT

---

<b>Committees .....</b>	<b>4</b>
<b>Foreign Speakers .....</b>	<b>5</b>
<b>Brazilian Speakers .....</b>	<b>6</b>
<b>Chairs .....</b>	<b>7</b>
<b>Sponsors .....</b>	<b>8</b>
<b>General Information .....</b>	<b>9</b>
<b>Social Program .....</b>	<b>10</b>
<b>Pre-congress Course .....</b>	<b>11</b>
<b>Scientific Program .....</b>	<b>12</b>
<b>Scientific Papers .....</b>	<b>28</b>
<b>Event floor plan .....</b>	<b>83</b>
<b>Authors Index .....</b>	<b>84</b>

### Organization

### Institutional Support

---

# COMMITTEES

---

## Organizing Committee

---

<b>Pedro M Moraes-Vieira</b> <i>(President)</i>	<b>Larissa Cunha</b>
<b>Alexandra I. Medeiros</b>	<b>Niels Olsen Câmara</b>
<b>José Carlos Alves Filho</b>	<b>Marcelo Bozza</b>
<b>Renata Pereira</b>	<b>Gustavo Menezes</b>

## SBI Board of Directors (2022 - 2023)

---

<b>Ana Maria Caetano Faria</b> <i>(President)</i>	<b>João Trindade Marques</b> <i>(First Secretary)</i>
<b>Alexandre Salgado Basso</b> <i>(Vice President)</i>	<b>Tatiani Uceli Maioli</b> <i>(Treasurer)</i>
<b>Walderez Ornelas Dutra</b> <i>(General Secretary)</i>	

## Scientific Committee

---

<b>Aldina Barral</b>	<b>Karina Bortoluci</b>
<b>Ana Paula Junqueira-Kipnis</b>	<b>Luiz Vicente Rizzo</b>
<b>André Báfica</b>	<b>Manoel Barral</b>
<b>Angélica Vieira</b>	<b>Marcelo Brígido</b>
<b>Claudia Brodsky</b>	<b>Marco Vinolo</b>
<b>Cristina Bonorino</b>	<b>Momtchilo Russo</b>
<b>Dario Zamboni</b>	<b>Patricia Bozza</b>
<b>Fernando Queiroz Cunha</b>	<b>Pritesh Lalwani</b>
<b>Gustavo Amarante-Mendes</b>	<b>Ricardo Gazzinelli</b>
<b>João Santana da Silva</b>	<b>Rodrigo Corrêa-Oliveira</b>
<b>João Viola</b>	<b>Sergio Oliveira Costa</b>
<b>Jorge Kalil</b>	<b>Wilson Savino</b>

## FOREIGN SPEAKER



**Afshin Beheshti**  
USA | KBR, NASA Ames Research Center



**Antonie Drieu**  
USA | Washington University in St. Louis



**Carlos Henrique Serezani**  
USA | Vanderbilt University Medical Center



**Charles Lee Evavold**  
USA | MIT



**Claudia Kemper**  
USA | National Heart, Lung, and Blood Institute



**Cristhiane Aguiar**  
Ireland | Trinity College Dublin



**David Sancho**  
Spain | Spanish National Cardiovascular Research Center



**Edward Chouchani**  
USA | Dana-Farber Cancer Institute / Harvard Medical School



**Emily Goldberg**  
USA | University of California, San Francisco



**Esther Florsheim**  
USA | Arizona State University



**Evanna Mills**  
USA | Dana-Farber Cancer Institute / Harvard Medical School



**Fernando Fonseca Guimaraes**  
Australia | The University of Queensland



**Hernandez Moura Silva**  
USA | MIT



**Jeff Rathmell**  
USA | Vanderbilt University Medical Center



**Jhimmy Talbot**  
USA | Fred Hutchinson Cancer Research



**Kathleen C. Barnes**  
USA | University of Colorado School of Medicine



**Kelsey Voss**  
USA | Vanderbilt University Medical Center



**Kimryn Rathmell**  
USA | Vanderbilt University Medical Center



**Lev Becker**  
USA | The University of Chicago



**Luke O'Neill**  
Ireland | Trinity College Dublin



**Marcelo Hill**  
Uruguay | Institut Pasteur de Montevideo



**Max Cooper**  
USA | Emory University



**Maxim Artyomov**  
USA | Washington University in St. Louis



**Miguel Soares**  
Portugal | Instituto Gulbenkian de Ciência



**Patrick Varga-Weisz**  
United Kingdom | School of Life Sciences, University of Essex



**Peter Murray**  
Germany | Max Planck Institute for Biochemistry



**Rafick Sekaly**  
USA | Emory University



**Ross M. Kedl**  
USA | University of Colorado School of Medicine



**Tim Sparwasser**  
Germany | Johannes Gutenberg-University Mainz



**Yinan Gong**  
USA | Pittsburgh University

# BRAZILIAN SPEAKER



**Alexandre Keller**  
SP | UNIFESP



**Ana Paula Duarte de Souza**  
RS | PUC RS



**Ana Paula Lepique**  
SP | USP



**Anamelia Bocca**  
DF | UNB



**Andrea Thompson Da Poian**  
RJ | UFRJ



**Angela Castoldi**  
PE | UFPE



**Angelica Thomaz Vieira**  
MG | UFMG



**Antonio Galina**  
RJ | UFRJ



**Caroline Junqueira**  
MG | FioCruz Minas e Harvard Medical School



**Claudia Ida Brodsky**  
BA | Gonçalo Moniz Institute Fiocruz Bahia



**Cristina Bonorino**  
RS | Universidade Federal de Ciências da Saúde de Porto Alegre



**Daniela Carlos Sartori**  
SP | FMRP-USP



**Edecio Cunha Neto**  
SP | FMUSP



**Gustavo Menezes**  
MG | UFMG



**Jean Pierre**  
SP | USP



**José Carlos Alves Filho**  
SP | FMRP-USP



**Luiz Osório Silveira Leiria**  
SP | FMRP-USP



**Marcelo Mori**  
SP | UNICAMP



**Marco Vinolo**  
SP | UNICAMP



**Maria Regina D'Império Lima**  
SP | USP



**Mariana Boroni**  
RJ | INCA



**Patricia Bozza**  
RJ | FioCruz



**Pedro M. Moraes-Vieira**  
SP | UNICAMP



**Ricardo Tostes Gazzinelli**  
MG | UFMG



**Rodrigo Nalio Ramos**  
SP | USP



**Sandra Dias**  
SP | LNBIO CNPEM



**Sandra Fukada**  
SP | USP



**Valeria Borges**  
BA | Gonçalo Moniz Institute Fiocruz Bahia



**Vinicius de Andrade Oliveira**  
SP | UFABC



**Walderez Ornelas Dutra**  
MG | UFMG



## CHAIRS



**Alessandro dos Santos Farias**

SP



**Alexandra Ivo de Medeiros**

SP



**Alexandre Salgado Basso**

SP



**Ana Maria Caetano Faria**

MG



**Andre Báfica**

SC



**Denise Fonseca**

SP



**Fernando Queiroz Cunha**

SP



**Gustavo Amarante-Mendes**

SP



**João Trindade Marques**

MG



**João Santana da Silva**

SP



**João Paulo de Biaso Viola**

RJ



**Jorge Kalil**

SP



**Karina Ramalho Bortoluci**

SP



**Larissa Dias Cunha**

SP



**Marcelo Torres Bozza**

RJ



**Momtchilo Russo**

SP



**Niels Olsen Saraiva Câmara**

SP



**Renata de Meirelles Santos Pereira**

RJ



**Tatiani Uceli Maioli**

MG



**Sergio Costa Oliveira**

SP

---

# SPONSORS

---

---

## Diamond

---

---

## Gold

---

---

## Silver

---

---

## Bronze

---

---

## Exhibitors

---



# GENERAL INFORMATION

## CONGRESS VENUE

Centro de Convenções Frei Caneca  
Rua Frei Caneca, 569, 4º andar, São Paulo, SP  
Telephone: (11) 3472-2020

## BADGE

Mandatory use for admission in the rooms and common areas of the venue.

## SMOKING

Smoking is strictly forbidden in all areas of the convention center.

## CELL PHONES

Attendees are kindly requested to switch off mobile phones in the rooms where scientific sessions are being held.

## CERTIFICATES OF ATTENDANCE

Will be available online at the congress website (congressos.sbi.org.br/immuno2022) up to 15 days after the event

## SIMULTANEOUS TRANSLATION

English is the official language of the event – There will be no simultaneous translation in the congress

## LOCAL SECRETARIAT

The Congress Secretariat/Registration Desk will be available for new registrations, information and distribution of materials during the dates and times as follows:

Date	Time
September 20	from 5:00pm until 8:30pm
September 21	from 7:00am until 6:00pm
September 22	from 7:30am until 6:00pm
September 23	from 8:30am until 6:00pm
September 24	from 8:30am until 12:00pm

## POSTERS

The authors are responsible for fixing and removing their poster in the specified areas. The poster must be placed on the morning of the day of the presentation, between 9am and 5pm and must be removed immediately after the presentation.

## MEDIA DESK

The presentation material of the speakers must be delivered two (2) hours before the beginning of the presentation, seeking a good attendance and proper organization in the AV system. The opening hours of the media desk are the same as the local secretariat.

## TIMETABLE

The Organizing Committee invites all participants of the Scientific Activities to strictly follow the schedule of their presentations

## EXHIBITION

Date	Time
September 20	from 8:00pm until 10:00pm
September 21	from 9:00am until 6:00pm
September 22	from 9:00am until 6:00pm
September 23	from 9:00am until 6:00pm
September 24	from 9:00am until 12:00pm

## LUNCH

The gastronomic area of the mall has a special highlight for its diversity and quality. The food court has candy stores, coffee shops and world cuisine options. Level 3 has an exclusive Gourmet Space, with restaurants such as Outback, Temakeria & Cia, North Bar & Grill and Pateo da Luz.

## TRAVEL AGENCY

BLUMAR  
Contact: Tathiana Lisboa  
Email: immuno@blumar.com.br  
Phone: 21 2142-9315  
Cell Phone: 21 99662-0693

## EXECUTIVE SECRETARIAT

MEZCLA Eventos  
eventos@mezclaeventos.com.br

---

# SOCIAL PROGRAM

---

---

## OPENING COCKTAIL

---

Date: **September 20th**  
Time: **8pm until 10pm**  
Venue: **Congress Venue**

---

## CONGRESS PARTY\*

---

Date: **September 22nd**  
Time: **10pm until 3am**  
Venue: **Club Homs**  
Address: **735 Paulista Avenue – Club Homs**

Your badge is your invitation to the party.  
Please present it at the entrance of the Party.

\*Only drinks will be served at the Party.

# PRE-CONGRESS COURSE

## Basic Aspects of Immunometabolism

### SPEAKERS



**Afshin Beheshti**



**Antônio Galina**



**Daniel Martins-de-Souza**



**Evanna Mills**



**Gustavo Gastão Davanzo**



**Kelsey Voss**

### SEPTEMBER, 19TH

#### 09:00 - 09:10 | ABERTURA

**Pedro Moraes-Vieira e Jorge Kalil**

#### 09:10 - 10:20

Immunometabolism overview - a journey through the metabolic map.

**Gustavo Gastão Davanzo** - Washington University - Saint Louis

#### 10:20 - 10:50 | COFFEE BREAK

#### 10:50 - 12:00

Mitochondrial physiology and pathology

**Antônio Galina** - Federal University of Rio de Janeiro

#### 12:00 - 14:30 | LUNCH TIME

#### 14:30 - 15:30

Metabolism is for everyone: how to get started and triumph in immunometabolism research

**Kelsey Voss** - Vanderbilt University

#### 15:30 - 16:00

Discussion

**Kelsey Voss** - Vanderbilt University

#### 16:00 - 16:30 | COFFEE BREAK

#### 16:30 - 18:00

Macrophage Immunometabolism

**Evanna Mills** - Dana-Farber Cancer Institute

### SEPTEMBER, 20TH

#### 09:00 - 10:20

Mass spectrometry-based proteomics to study immunometabolism

**Daniel Martins-de-Souza** - The University of Campinas

#### 10:20 - 10:40 | COFFEE BREAK

#### 10:40 - 12:00

Computational biology as a novel approaches for interrogating immunometabolism

**Afshin Beheshti** - KBR, NASA Ames Research Center

---

# SCIENTIFIC PROGRAM

---



---

20/09/2022

---

## AUDITORIUM

---

**18:30 às 19:00 - OPENING CERIMONY**

**19:00 às 19:50 - Opening Session**

### **Keynote Conference 1**

Fueling and Firing up T cells in Inflammation and Cancer

**CHAIR - *Alexandra Ivo Medeiros***

**SPEAKER - *Jeff Rathmell***

## EXHIBITION AREA

---

**20:00 às 22:00 - OPENING COCKTAIL**



21/09/2022



## ROOM 1

**08:00 às 08:50 - Course**

BD BIOSCIENCE COURSE

Spectral and conventional flow cytometry: discover the main differences and the flexibility to choose between them in a single equipment

**09:00 às 10:45 - SYMPOSIUM 1**

Immunoregulation

CHAIR - **Ana Paula Lepique****09:00 às 09:30**

Restoring the immune response for cancer and HIV cures

SPEAKER - **Rafick Sekaly****09:30 às 10:00**

Dissecting the Tumor Microenvironment in Kidney Cancer

SPEAKER - **Kimryn Rathmell****10:00 às 10:15**

1765 - Leptin Favors Imbalance of Antigen-specific CD4+ T Cells Associated with Severity of Cat Allergy

PRESENTER - **Hugo Akirito de Almeida Oyamada****10:15 às 10:30**

1839 - NAIP/NLRC4 inflammasome activation by Trypanosoma cruzi relies on cathepsins

PRESENTER - **Marcelo Pires Amaral****10:30 às 10:45**

1830 - Sting Expressed in Nociceptors Regulates the Development of Cisplatin-Induced Neuropathic Pain

PRESENTER - **Fabio Bonifacio de Andrade****10:45 às 11:15 - COFFEE BREAK****12:00 às 14:00 - LUNCH TIME****12:30 às 13:30 - BD BIOSCIENCE SYMPOSIUM**

Discover the road to high-dimensional biology

CHAIR - **Robert Balderas****14:00 às 16:15 - SYMPOSIUM 4**

Mucosal Immunology

CHAIR - **Ana Maria Caetano Faria****14:00 às 14:30**

Host metabolism impact by gut homeostasis disturbances in inflammatory diseases

SPEAKER - **Vinicius de Andrade Oliveira****14:30 às 15:00**

Dietary modulation of intestinal immune responses through neuroimmune circuits

SPEAKER - **Jhimmy Talbot****15:00 às 15:30**

The role of gut microbiota metabolites on infectious diseases

SPEAKER - **Angelica Thomaz Vieira****15:30 às 15:45**

2203 - Efferocytosis of Renca-apoptotic cells promotes suppressive effects on dendritic cells supported by glycolysis

PRESENTER - **Ludmilla da Silva Pereira****15:45 às 16:00**

2009 - Metabolic characterization of Foxp3+ RORgt+ T cell population in the experimental model of colitis associated colorectal cancer

PRESENTER - **Marcella Cipelli****16:00 às 16:15**

2043 - Aryl hydrocarbon receptor is necessary to restrain tissue macrophage inflammatory tonus and systemic glucose homeostasis during obesity

PRESENTER - **Bianca Gazieri Castelucci Bataglioli****16:15 às 16:50 - COFFEE BREAK**



21/09/2022

## ROOM 2

**09:00 às 10:45 - SYMPOSIUM 2**

Adipose Tissue and Obesity

CHAIR - **Tatiani Uceli Maioli****09:00 às 09:30**

Perivascular Macrophages in the intersection of tissue health and disease pathophysiology

SPEAKER - **Hernandez Moura Silva****09:30 às 10:00**

Regulation of the aging adipose-resident immune compartment

SPEAKER - **Emily Goldberg****10:00 às 10:15**

2131 - Microglia Derived Extracellular Mitochondria Modulate Neuronal Survival and Function

PRESENTER - **Monara Kaelle Servulo Cruz Angelim****10:15 às 10:30**

1951 - CD4+ T Cells of Children and Adolescents With Obesity Present an Altered Pattern Of Expression of Cytokines, Transcription Factors, and Costimulatory Molecules

PRESENTER - **Rafael Silva Lima****10:30 às 10:45**

2184 - Obesity alters the macrophages response to L. major in C57BL/6 mice

Presenter - **Vinicius Dantas Martins****10:45 às 11:15 - COFFEE BREAK****12:00 às 14:00 - LUNCH TIME****14:00 às 16:15 - SYMPOSIUM 5**

Innate Immunity

CHAIR - **Larissa Dias da Cunha****14:00 às 14:30**

Metabolic control of inflammatory cell death

SPEAKER - **Charles Lee Evavold****14:30 às 15:00**

Metabolite signaling as a regulator of inflammation

SPEAKER - **Evanna Mills****15:00 às 15:30**

Oxidative phosphorylation in the regulation of myeloid cell function

SPEAKER - **David Sancho****15:30 às 15:45**

2219 - Inflammatory stimuli lead to translational stress in activated macrophages

PRESENTER - **Rodrigo Dias Requião****15:45 às 16:00**

1927 - Maturation, Mobilization And Inflammatory Profile of Neutrophils In Experimental Malaria

PRESENTER - **Lucas Freire Antunes.****16:00 às 16:15**

1975 - The Influence Of Erythrophagocytosis On Mouse Melanome Associated Macrophages

PRESENTER - **Luis Batista Tan****16:15 às 16:50 - COFFEE BREAK**



21/09/2022

## ROOM 3

**09:00 às 10:45 - SYMPOSIUM 3**

Cell Host &amp; Microbe

CHAIR - **Walderez O Dutra****09:00 às 09:30**

Exploring metabolic reprogramming in Leishmania sp infection

SPEAKER - Claudia Ida Brodsky

**09:30 às 10:00**

The Immunometabolic Impact of SARS-CoV-2 on the Syrian Hamster Brain

SPEAKER - **Jean Pierre****10:00 às 10:15**1894 - HIF2 $\alpha$  Signaling Pathway in Myeloid Leukocytes Promotes Susceptibility To Infection With Mycobacterium TuberculosisPRESENTER - **Joseana de Oliveira****10:15 às 10:30**

1933 - Lipid Accumulation Modulates Dendritic Cell Activation, Inflammatory Response and Bacterial Burden During M. bovis BCG Infection

PRESENTER - **Guilherme Iack Pinheiro da Cruz****10:30 às 10:45**

1889 - Zileuton Effect In a Murine Model of Acute Respiratory Syndrome (SARS) Induced By A Betacoronavirus

PRESENTER - **Rafaela das Dores Pereira****10:45 às 11:15 - COFFEE BREAK****12:00 às 14:00 - LUNCH TIME****14:00 às 16:15 - SYMPOSIUM 6**

Host Defense

CHAIR - **Claudia Ida Brodsky****14:00 às 14:30**

TNF-induced reprogramming of host glucose metabolism plays a key role in controlling Plasmodium cell cycle and disease.

SPEAKER - **Ricardo Tostes Gazzinelli****14:30 às 15:00**

Immune memory in children after SARS-CoV-2 infection

SPEAKER - **Cristina Beatriz Cazabuena Bonorino****15:00 às 15:30**

Interferon-gamma, mitochondria and the pathogenesis of Chagas disease cardiomyopathy

SPEAKER - **Edecio Cunha Neto****15:30 às 15:45**

1916 - Death among hematologic cancer patients presenting COVID-19 is defined by a broad T cell exhaustion and a cytokine-release syndrome profile

PRESENTER - **Flávio Pignataro Oshiro****15:45 às 16:00**

1998 - Arginase 1 is a marker of protection against illness in contacts of leprosy patients

PRESENTER - **Rhana Berto da Silva Prata****16:00 às 16:15**

2163 - Lipid droplets contribute to SARS-CoV-2 infection and inflammatory process in human cells

PRESENTER - **Suelen da Silva Gomes Dias****16:15 às 16:50 - COFFEE BREAK**





---

21/09/2022

---

## AUDITORIUM

---

### 11:15 às 12:00 - Keynote Conference 2

Krebs Cycle reborn in macrophage activation

CHAIR - **Pedro Moraes-Vieira**

SPEAKER - **Luke O'Neill**

### 17:00 às 17:50 - Keynote Conference 3

Complement-controlled amino acid usage paces Th1 responses

CHAIR - **Marcelo Bozza**

SPEAKER - **Claudia Kemper**

### 18:00 às 19:30 - Assembleia SBI

## EXHIBITION AREA

---

### 19:30 às 21:30 - POSTER EXHIBITION



22/09/2022

## ROOM 1

**08:00 às 08:50 - Course**

BD BIOSCIENCE COURSE

Single cell Mutimomics: the potential of RNAseq and protein expression in a single methodology

**09:00 às 10:00 - SYMPOSIUM 7**

Adaptive Immunity

CHAIR - **Gustavo P. Amarante-Mendes****09:00 às 09:30**

The curious case of gamma-delta T-cells in Chagas disease cardiomyopathy

SPEAKER - **Walderez O Dutra****09:30 às 10:00**

Adjuvant-elicited CD8+ T cell responses: what infections have failed to teach us

SPEAKER - **Ross M. Kedl****10:00 às 10:30 - COFFEE BREAK****12:00 às 14:00 - LUNCH TIME****12:30 às 13:15 - BECKMAN COULTER Symposium**

Detection and Enrichment of miRNA in Extracellular Vesicles

CHAIR - **John Tigges****14:00 às 15:30 - SYMPOSIUM 10**

Tumor Immunology

CHAIR - **Gustavo Menezes****14:00 às 14:30**

TBA

SPEAKER - **Kelsey Voss****14:30 às 15:00**

Immunomodulation and checkpoint inhibition during infection

SPEAKER - **Fernando Fonseca Guimaraes****15:00 às 15:30**

STAT3 and low density neutrophils as immunomodulatory mechanisms in cancer

SPEAKER - **Ana Paula Lepique****15:30 às 16:00 - COFFEE BREAK**



22/09/2022

## ROOM 2

**09:00 às 10:00 - SYMPOSIUM 8**

Cellular Immunology

CHAIR - **Denise Morais da Fonseca****09:00 às 09:30**

Lipids biosynthesis pathway informs about systemic inflammation in cutaneous leishmaniasis

SPEAKER - **Valeria de Matos Borges****09:30 às 10:00**

Chromatin dynamics and gene expression in host-microbiota interactions in the gut

SPEAKER - **Patrick Varga-Weisz****10:00 às 10:30 - COFFEE BREAK****12:00 às 14:00 - LUNCH TIME****12:30 às 13:50**

Oral Presentations SLB Award

**12:35 às 12:45**

1786 - Leukotrienes In Type 1 Diabetes: Activation Of A Distinct Immunometabolic Phenotype In Macrophages

PRESENTER - **Nayara Pereira****12:45 às 12:50 - Q&A****12:50 às 13:00**

1828 - BCG-Trained Macrophages Elicit A Protective Inflammatory Response Against The Pathogenic Bacteria Brucella abortus

PRESENTER - **Ana Carolina Valente Santos Cruz de Araujo****13:00 às 13:05 - Q&A****13:05 às 13:15**

2165 - The Immunosuppressive Microenvironment Profile In Low- And High-Grade Glioma

PRESENTER - **Juliete Nathali Scholl****13:15 às 13:20 - Q&A****13:20 às 13:30**

2174 - Zikv Infection During Pregnancy Dysregulates Kynurenine Pathway

PRESENTER - **Thiago Barros do Nascimento de Morais****13:30 às 13:35 - Q&A****13:35 às 13:45**

2228 - Obesity increases blood-brain barrier permeability and aggravates mouse model of multiple sclerosis

PRESENTER - **Gisele de Castro****13:45 às 13:50 - Q&A****14:00 às 15:30 - SYMPOSIUM 11**

Innate immunity

CHAIR - **Karina Ramalho Bortoluci****14:00 às 14:30**

New roles for the old HIF-1a in the metabolic control of macrophages

SPEAKER - **Pedro M Moraes-Vieira****14:30 às 15:00**

Itaconate as metabolic regulator of endotoxin tolerance

SPEAKER - **Maxim N. Artyomov****15:00 às 15:30**

Metabolic-epigenetic regulation of macrophage phenotype and function

SPEAKER - **Lev Becker****15:30 às 16:00 - COFFEE BREAK**



22/09/2022

## ROOM 3

**09:00 às 10:00 - SYMPOSIUM 9**

Immunoregulation

CHAIR - **Andre Bafica****09:00 às 09:30**

The complex diet-microbiota-immune cell interactions involved in regulating colonic epithelium responses

SPEAKER - **Marco Aurélio Ramirez Vinolo****09:30 às 10:00**

Metabolic changes in osteoclasts are crucial for bone loss in osteolytic diseases

SPEAKER - **Sandra Yasuyo Fukada Alves****10:00 às 10:30 - COFFEE BREAK****12:30 às 13:15 - PENSABIO Symposium**

Redefine Immunology with Multiomic Single Cell and Spatial Tools

SPEAKER - **Adriana Suarez****14:00 às 15:30 - SYMPOSIUM 12**

Neuroimmunology

CHAIR - **Alessandro dos Santos Farias****14:00 às 14:30**

Sleep, Stress, and Beyond...

SPEAKER - **Alexandre de Castro Keller****14:30 às 15:00**

The role of brain macrophages regulating CSF flow

SPEAKER - **Antonie Drieu****15:00 às 15:30**

Coupling oxygen and glucose metabolism in mitochondria: a fine redox control?

SPEAKER - **Antonio Galina****15:30 às 16:00 - COFFEE BREAK**

22/09/2022

## AUDITORIUM

**10:30 às 11:00 - SBI Threza Kipnis Presentation****10:30 às 10:45**

1873 - Targeting C5AR1 Signaling Ameliorates Covid-19 Pathology

PRESENTER - **Bruna Manuella Souza Silva**

**10:45 às 11:00**

2137 - Gut Microbiota From Patients With Mild Covid-19 Cause Alterations In Mice That Resemble Post-Covid Syndrome

PRESENTER - **Viviani Mendes de Almeida**

**11:00 às 11:50 - Keynote Conference 4**

Immunological anti-ferroptosis in disease

CHAIR - **Marco Aurélio Ramirez Vinolo**

SPEAKER - **Peter Murray**

**16:00 às 16:45 - SBI Threza Kipnis Presentation****16:00 às 16:15**

2215 - Immunization with a RBD/Nucleocapsid fusion protein promotes neutralizing antibody-independent resistance to infection with wild type and SARS-CoV-2 variants of concern

PRESENTER - **Julia Teixeira de Castro**

**16:15 às 16:30**

1729 - T-cell intrinsic expression of AIM2 promotes Th17 cells differentiation by regulating ROR $\gamma$ t activity

PRESENTER - **Jefferson Antônio Leite**

**16:30 às 16:45**

2202 - Nucleocapsid-specific CD8+ T cells and antibodies characterize immune memory responses in SARS-CoV-2 infected children

PRESENTER - **Júlia Crispim da Fontoura**

**16:50 às 17:50 - Keynote Conference 5**

Mechanisms of metabolite regulation over immune cell function

CHAIR - **Ricardo Tostes Gazzinelli**

SPEAKER - **Edward Chouchani**

## EXHIBITION AREA

**18:30 às 20:30 - POSTER EXHIBITION**



23/09/2022

## ROOM 1

**09:00 às 10:45 - SYMPOSIUM 13**

Metabolism and Beyond

**CHAIR - Fernando Queiroz Cunha****09:00 às 09:30**

COVID-19-related hyperglycemia as a result of hepatic gluconeogenesis

**SPEAKER - Luiz Osório Silveira Leiria****09:30 às 10:00**

From COVID to Space: Common Dysregulation with Mitochondrial Impacting Immune Functions During Space Flight and COVID-19

**SPEAKER - Afshin Beheshti****10:00 às 10:15**

2188 - Metabolic-trained immunity potentiates SARS-CoV-2 inflammation to worsen Covid-19 disease

**PRESENTER - Larissa Menezes dos Reis****10:15 às 10:30**1949 - The role of immune cells infiltration in NAD<sup>+</sup> metabolism disturbances during Mayaro virus infection in mice**PRESENTER - Matheus Atella de Oliveira****10:30 às 10:45**

2236 - Aryl Hydrocarbon Receptor Immunometabolic Role During A Murine Betacoronavirus Experimental Infection

**PRESENTER - Fernando Roque Ascensão****10:45 às 11:15 - COFFEE BREAK****12:00 às 14:00 - LUNCH TIME****12:00 às 13:30 - PREMIO PESQUISADOR SBI**

BD Oral Presentations

**12:00 às 12:45 - CATEGORIA JOVEM TALENTO****12:00 às 12:10**

Determinação do controle da resposta imune por células T reguladoras ST2+ durante a fase aguda da sepse

**Guilherme Cesar Martelossi Cebinelli - FMRP/ USP****12:10 às 12:15 - Q&A****12:15 às 12:25**

A semente e o solo: como os tumores primários dialogam com a medula óssea para promover metástases?

**Priscila Creppas de Souza e Silva - UFSC****12:25 às 12:30 - Q&A****12:30 às 12:40**

Avaliação do sistema complemento em co-receptores de imuno checkpoint no câncer de pulmão.

**Thais Nascimento Kimmemgs - IEP /HSL****12:40 às 12:45 - Q&A****12:45 às 13:30 - CATEGORIA PESQUISADOR****12:45 às 12:55**

Papel intrínseco do receptor de adenosina (A2aR) na biologia das células T reguladoras durante autoimunidade e tolerância

**Daniele Carvalho Bernardo Nascimento - FMRP/USP****12:55 às 13:00 - Q&A****13:00 às 13:10**

Papel dos receptores TAM, Axl e MerTk, na Doença Pulmonar Obstrutiva Crônica (DPOC) e pneumonia associada

**Kamila Guimarães Pinto - IMPG/ UFRJ****13:10 às 13:15 - Q&A**



23/09/2022

## ROOM 1

**13:15 às 13:25**

Geração de macrófagos humanos expressando receptores do tipo CAR para o tratamento de tumores sólidos

**SPEAKER - Rodrigo Nalio Ramos - FMUSP**

**13:25 às 13:30 - Q&A****14:00 às 16:15 - SYMPOSIUM 16**

Innate Immunity

**CHAIR - Renata Meirelles Pereira**

**14:00 às 14:30**

FcyR-mediated SARS-CoV-2 infection of monocytes activates inflammation

**SPEAKER - Caroline Junqueira**

**14:30 às 15:00**

Integration of Methylation Risk Scores (MRS) to Predict Risk and Severity of Immune-Mediated Disease

**SPEAKER - Kathleen C. Barnes**

**15:00 às 15:30**

How Cryptococcus neoformans dormant cell modulate macrophages metabolism

**SPEAKER - Anamelia Lorenzetti Bocca**

**15:30 às 15:45**

1945 - Evaluation of plasmacytoid dendritic cell differentiation and migration during COVID-19 infection in an experimental model

**PRESENTER - Jéssica Assis Pereira**

**15:45 às 16:00**

1962 - Heme Impairs Cellular Respiration and Induces Mitochondrial Fission In Macrophages

**PRESENTER - Elisa Beatriz Prestes**

**16:00 às 16:15**

2073 - Generation and Optimization of anti-CD19 Car-T Cell for Leukemia Immunotherapy

**PRESENTER - Leonardo Ribeiro Batista Silva**

**16:15 às 16:50 - COFFEE BREAK**



23/09/2022

## ROOM 2

**09:00 às 10:45 - SYMPOSIUM 14**

Nutrition and Metabolic syndromes

**CHAIR - Momtchilo Russo****09:00 às 09:30**

Immunological contributions to food quality control

**SPEAKER - Esther Florsheim****09:30 às 10:00**

Sphingosine (or lack thereof) and skin host defense during metabolic syndrome

**SPEAKER - Carlos Henrique Serezani****10:00 às 10:15**

1906 - Mechanisms Of Resistance To Cart- Cell Immunotherapy: Insights From Mathematical Modelling

**PRESENTER - Daniela Silva Santurio****10:15 às 10:30**

2056 - Chronic Ingestion of Primex-Z, Compared With Other Common Fat Sources, Drives Worse Liver Injury and Enhanced Susceptibility To Bacterial Infections

**PRESENTER - Máisa Mota Antunes****10:30 às 10:45**

2240 - T-bet regulates inflammatory macrophages mediators, metabolism and function

**PRESENTER - Webster Leonardo Guimarães da Costa****10:45 às 11:15 - COFFEE BREAK****12:00 às 14:00 - LUNCH TIME****14:00 às 16:15 - SYMPOSIUM 17**

Cell Communication

**CHAIR - Jean Pierre****14:00 às 14:30**

Do not mess up my house! Hepatic niche for macrophages is essential to immune response to injury

**SPEAKER - Gustavo Menezes****14:30 às 15:00**

New Signals Governing Adipocyte-Macrophage Crosstalk in the Context of Metabolic Diseases

**SPEAKER - Marcelo Mori****15:00 às 15:30**

Single-cell profiling of macrophages in the tumor microenvironment: a pan-cancer analysis

**SPEAKER - Mariana Boroni****15:30 às 15:45**2039 -  $\beta$ 2 Adrenergic Signaling Stimulates IL-1 $\beta$  Secretion By Inducing Mapk-Dependent Il1b Transcription**PRESENTER - Filipe Menegatti de Melo****15:45 às 16:00**

1871 - Serotonin Regulates Cytokine Production By Peripheral Blood Mononuclear Cells of Patients With Major Depression In Response To TLRs Ligands

**PRESENTER - Marcos Octavio Salvaterra Dutra Cafasso****16:00 às 16:15**

1882 - TLR-4 Signaling In Hepatocytes, But Not In Immune System, Is the Main Driver for Hepatic Metabolic Alterations During Endotoxemia

**PRESENTER - Hortência Maciel de Castro Oliveira****16:15 às 16:50 - COFFEE BREAK**





23/09/2022

## ROOM 3

**09:00 às 10:45 - SYMPOSIUM 15**

Adaptive Immunity

**CHAIR - João Santana da Silva****09:00 às 09:30**

Control of regulatory T cell homeostasis and function by adenosine signaling

**SPEAKER - Jose Carlos Alves Filho****09:30 às 10:00**

P2RX7 and CD39 in immune response and metabolism

**SPEAKER - Maria Regina D Imperio Lima****10:00 às 10:15****2113** - Airway administration of postbiotic protects mice against respiratory syncytial virus infection promoting immune tolerogenic profile**PRESENTER - Krist Helen Antunes****10:15 às 10:30****1848** - Prognostic Value Of Strem-1 For Disease Severity and Mortality in Covid-19 Patients, Cooperative Actions of Leukocytes and MMP-8**PRESENTER - Pedro Vieira da Silva Neto****10:30 às 10:45****1909** - The Epigenetic Modulator CBX4 In CD8 T Cell Differentiation**PRESENTER - Guilherme Afonso Melo****10:45 às 11:15 - COFFEE BREAK****12:00 às 14:00 - LUNCH TIME****14:00 às 16:15 - SYMPOSIUM 18**

Host Defense

**CHAIR - João Trindade Marques****14:00 às 14:30**

Potential implications of NAD metabolism to the antiviral innate immune response

**SPEAKER - Andrea T. da Poian****14:30 às 15:00**

Short chain fatty acids and respiratory viral infections.

**SPEAKER - Ana Paula Duarte de Souza****15:00 às 15:30**

The cation channel TMEM176B as a target to control inflammation in COVID-19 and in obesity

**SPEAKER - Marcelo Hill****15:30 às 15:45****2064** - Identification of a CXCR3+ CD8+ T lymphocyte subset associated with diminished risk of paradoxical tuberculosis-related immune reconstitution syndrome in patients with advanced HIV infection**PRESENTER - Rafael Teixeira Tiburcio dos Santos****15:45 às 16:00****1935** - T-Cell Exhaustion Induced During Malaria Compromises the Clinical Course Of Cutaneous Leishmaniasis**PRESENTER - Uyla Ornellas Garcia****16:00 às 16:15****1723** - Myeloid-Derived Suppressor Cells Reduce TH1/TH17 Immunity and Promote a More Severe Pulmonary Paracoccidioidomycosis**PRESENTER - Nycolas Willian Preite****16:15 às 16:50 - COFFEE BREAK**



---

23/09/2022

---

## AUDITORIUM

---

### 11:15 às 12:00 - Keynote Conference 6

Metabolic adaptation as a defence strategy against infection

CHAIR - **Alexandre Salgado Basso**

SPEAKER - **Miguel Soares**

### 17:00 às 17:50 - Keynote Conference 7

Lymphocyte Evolution in Vertebrates

CHAIR - **Jorge Kalil**

SPEAKER - **Max Cooper**

## EXHIBITION AREA

---

### 18:30 às 20:30 - POSTER EXHIBITION



24/09/2022

## ROOM 1

**09:00 às 10:00 - SYMPOSIUM 19**

Obesity and Diabetes

CHAIR - **Niels Olsen Saraiva Camara****09:00 às 09:30**

Impact of gut microbiota on pancreas-gut interface in autoimmune type 1 diabetes: a focus on regulatory and pathogenic T cells

SPEAKER - **Daniela Carlos Sartori****09:30 às 10:00**

Modulation of colonic lamina propria macrophages phenotype in high-fat diet-induced obesity

SPEAKER - **Angela Castoldi****10:00 às 10:30 - BREAK**

## ROOM 2

**09:00 às 10:00 - SYMPOSIUM 20**

Adaptive Immunity

CHAIR - **Jose Carlos Alves Filho****09:00 às 09:30**

The role of efferocytosis in SARS-CoV-2 infection

SPEAKER - **Larissa Dias Cunha****09:30 às 10:00**

Targeting mitochondrial metabolism to influence T cell differentiation and function

SPEAKER - **Tim Sparwasser****10:00 às 10:30 - BREAK**

## ROOM 3

**09:00 às 10:00 - SYMPOSIUM 21**

Signaling and Lymphocyte Activation

CHAIR - **João Paulo de Biaso Viola****09:00 às 09:30**

Pseudocowpox virus as a vector to enhance the therapeutic efficacy of antitumor T cell responses

SPEAKER - **Rodrigo Nalio Ramos****09:30 às 10:00**

Mobilizing lipids as anti-tumor immunotherapy

SPEAKER - **Yinan Gong****10:00 às 10:30 - BREAK**

## AUDITORIUM

**10:30 às 11:20 - Keynote Conference 8**

Immunometabolic functions of lipid droplets in host response to infections

SPEAKER - **Patricia T. Bozza**CHAIR - **Sérgio Costa Oliveira****11:20 às 12:00**

AWARDS ANNOUNCEMENT AND CLOSING REMARKS

---

# SCIENTIFIC PAPER

---



---

# POSTER EXHIBITION

---

21/09/2022 - Págs 29 to 46

22/09/2022 - Págs 47 to 64

23/09/2022 - Págs 65 to 81



21/09/2022



## CELLULAR IMMUNOLOGY (CE)

### CE01 - *ACUTE PHYSICAL EXERCISE INDUCES ANTI-INFLAMMATORY FUNCTIONS IN MACROPHAGES ASSOCIATED WITH EFFEROCYTOSIS*

ESTER PALERMO MAIA; JESUINO RAFAEL MACHADO FERREIRA; KAMILA GUIMARÃES PINTO; THAIS DA SILVA RIGONI; MONIQUE DOS SANTOS LEANDRO; VERÔNICA SALERNO PINTO; LETÍCIA RODRIGUES RAMOS; ALESSANDRA D'ALMEIDA FILARDY; Universidade Federal do Rio de Janeiro;

### CE02 - *ANTI-HER2 PIGGYBAC TRANSPOSON-BASED CAR T CELLS PRODUCTION AND PHENOTYPE CHARACTERIZATION*

EMMANUEL ARTHUR ALBUQUERQUE ARAGAO; LUIZA DE MACEDO ABDO; MARTÍN HERNÁN BONAMINO; Instituto Nacional do Câncer – INCA;

### CE03 - *AXL AND MER RECEPTORS MODULATE TISSUE REDOX BALANCE AND PERITONEAL MACROPHAGE METABOLISM.*

Jesuino Rafael Machado Ferreira; KAMILA GUIMARÃES PINTO; LETÍCIA RODRIGUES RAMOS; THAIS DA SILVA RIGONI; MONIQUE DOS SANTOS LEANDRO; ESTER PALERMO MAIA; Isadora de A. Oliveira; ADRIANE TODESCHINI; VERÔNICA SALERNO PINTO; ALESSANDRA D'ALMEIDA FILARDY; UFRJ;

### CE04 - *B-1 CELLS ACTIVATION IN SLEEP RESTRICTED MICE INTRAPERITONEALLY CHALLENGED WITH CANDIDA ALBICANS AND PARACOCIDIOIDES BRASILIENSIS*

ANDREY SLADKEVICIUS VIDAL3; RONNI ROMULO NOVAES E BRITO1; ANUSKA MARCELINO ALVARES4; PATRÍCIA XANDER BATISTA2; 1. Centro Universitário São Camilo; 2. Departamento de Ciências Farmacêuticas, Instituto de Ciências Ambientais, Químicas e Farmacêuticas, Universidade Federal de São Paulo campus Diadema; 3. Programa Pós-graduação Biologia-Química, Instituto de Ciências Ambientais, Químicas e Farmacêuticas, Universidade Federal de São Paulo campus Diadema; 4. Universidade Paulista, campus Indianópolis;

### CE05 - *BIOLOGICAL FEATURES ACCOMPANYING LYMPHOCYTE DEATH INDUCED BY AEDES AEGYPTI SALIVA*

JOSIANE BETIM DE ASSIS2; MARGARETH DE LARA CAPURRO3; ALEXANDRA IVO DE MEDEIROS1; ANDERSON SÁ-NUNES2; 1. Departamento de Ciências Biológicas, Faculdade de Ciências Farmacêuticas, Universidade Estadual Paulista “Júlio de Mesquita Filho”; 2. Departamento de Imunologia, Instituto de Ciências Biomédicas, Universidade de São Paulo; 3. Departamento de Parasitologia, Instituto de Ciências Biomédicas, Universidade de São Paulo;

### CE06 - *CAN THE ACTIVATION OF THE B2-ADRENERGIC RECEPTOR (B2AR) MODULATE IN VITRO ASTROCYTE-MICROGLIA INTERACTION?*

PAULO CÉSAR FERREIRA DOS SANTOS2; BEATRIZ MARTON FREIRE1; EDSON DOS SANTOS SILVA1; ALEXANDRE SALGADO BASSO1; 1. Universidade Federal de São Paulo; 2. Universidade de São Paulo/ Universidade Federal de São Paulo;

### CE07 - *CD4+ T CELLS OF CHILDREN AND ADOLESCENTS WITH OBESITY PRESENT AN ALTERED PATTERN OF EXPRESSION OF CYTOKINES, TRANSCRIPTION FACTORS, AND COSTIMULATORY MOLECULES*

RAFAEL SILVA LIMA3; MAYARA BELCHIOR-BEZERRA3; DANIELA DA SILVA OLIVEIRA3; ROBERTA DOS SANTOS ROCHA1; NAYARA INGRID MEDEIROS2; RAFAEL TEIXEIRA MATTOS3; PEDRO WESLEY SOUZA DO ROSÁRIO1; MARIA REGINA CALSOLARI1; RODRIGO CORRÊA OLIVEIRA2; WALDEREZ ORNELAS DUTRA3; PAULA ROCHA MOREIRA3; JULIANA DE ASSIS SILVA GOMES3; 1. Centro de Especialidades Médicas (CEM), Hospital Santa Casa de Belo Horizonte; 2. Imunologia Celular e Molecular, Instituto René Rachou, Fundação Oswaldo Cruz - FIOCRUZ; 3. Laboratório de Biologia das Interações Celulares, Departamento de Morfologia, Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais;

### CE08 - *CELLULAR AND MITOCHONDRIAL METABOLISM OF MACROPHAGES INFECTED WITH DORMANT CRYPTOCOCCUS NEOFORMANS*

CLARA MARINA; RAFFAEL CASTRO; PAULA BELLOZI; ANDREZA DE BEM; ANAMÉLIA BOCCA; Universidade de Brasília;

**CE09 - CHARACTERIZATION OF GLOBAL REPERTORY OF SERUM IMMUNOGLOBULINS IN PATIENTS INFECTED WITH SARS-COV-2 BEFORE AND AFTER PLASMAFERESIS.**

BARBARA GABRIELLE DE ARAUJO DOS SANTOS; VICENTE BALTHAR TORRES BOZZA; GABRIELA MACIEL; LUCIANA CONDE RODRIGUES MAIA; LUCAS TOSTES COSTA VAZ; ORLANDO DA COSTA FERREIRA JUNIOR; AMILCAR TANURI.; DANIELLE APARECIDA SOUSA RODRIGUES; ANDRE M. VALE;  
Universidade Federal do Rio de Janeiro;

**CE10 - CHARACTERIZATION OF THE LYMPHOCYTES FROM MESENTERIC LYMPH NODES OF SPONTANEOUS TYPE 2 DIABETIC GOTO-KAKIZAKI RATS**

ELVIRAH SAMANTHA DE SOUSA SANTOS; TIAGO BERTOLA LOBATO; RENAIDE RODRIGUES FERREIRA GACEK; MARIA ELISABETH PEREIRA PASSOS; LAIANE CRISTINA DOS SANTOS; VINICIUS LEONARDO SOUSA DINIZ; AMANDA LINS ALECRIM; ANA CAROLINA GOMES; ILANA SOUZA CORREA; JOÃO CARLOS DE OLIVEIRA BORGES; JANAINA RIBEIRO BARBOSA PAU-FERRO; FLAVIANO LUIZ ROCHA DA SILVA; LAUREANE NUNES MASI; SANRO MASSO HIRABARA; TÂNIA CRISTINA PITHON-CURI; RUI CURI; RENATA GORJÃO;  
Interdisciplinary Post-Graduate Program in Health Sciences, Cruzeiro do Sul University;

**CE11 - COMPARATIVE ANALYSIS OF DISEASE-MODIFYING THERAPIES ON THE COMPOSITION OF T CELL SUBSETS IN PATIENTS WITH MULTIPLE SCLEROSIS**

LANA MÁRCIA FERREIRA LOPES2; MARCOS OCTÁVIO SALVATERRA DUTRA CAFASSO3; TAISSA DE MATOS KASAHARA3; PRISCILA MENDONÇA DO SACRAMENTO3; ALEIDA SORAIA OLIVEIRA DIAS1; MARISA DÁ CUNHA SALES1; ANA CLARA RODRIGUES PERCEGONI3; RAFAELA DE OLIVEIRA BILHÃO3; LARISSA PICAÇÃO DAMIAN RESENDE DE SOUZA3; CAROLINA ALVAREZ DE AZEVEDO3; CLÁUDIA CRISTINA VASCONCELOS3; JOANA HYGINO DA SILVA MACHADO4; CLEONICE ALVES DE MELO BENTO3;  
1. UERJ; 2. UERJ/UNIRIO; 3. UNIRIO; 4. Universidade Estácio de Sá (UNESA);

**CE12 - CONTRIBUTION OF IL-1RA IN OBESITY-INDUCED METABOLIC SYNDROME MODEL**

MELISSA SANTANA GONSALEZ MACHADO; SARA CÂNDIDA BARBOSA; VANESSA FERNANDES RODRIGUES; JEFFERSON ELIAS OLIVEIRA; ÍTALO SOUSA PEREIRA; JÉSSICA ASSIS PEREIRA; DANIELA CARLOS;  
Universidade de São Paulo;

**CE14 - CORRELATION OF ACTIVATION MARKERS (CD69, HLA-DR AND CD71) ON CD4+ AND CD8+ T CELLS WITH IFN-G RELEASE IN QUANTIFERON-TB-GOLD-PLUS ASSAY USED FOR LATENT TUBERCULOSIS INFECTION DIAGNOSIS**

BÁRBARA SUÉLLEN GUIMARÃES ~MARIN FERREIRA2; MARISA APARECIDA CAIRIAC NUNES1; DENISE DO SOCORRO DA SILVA RODRIGUES1; PAULA ORDONHEZ RIGATO2;  
1. Clemente Ferreira Institute; 2. Instituto Adolfo Lutz/ Faculdade de Medicina USP;

**CE15 - CULTURE MEDIUM MATTERS: MAYARO VIRUS-INDUCED MACROPHAGE DEATH IS DEPENDENT ON SPECIFIC NUTRIENTS PRESENT IN RPMI BUT NOT IN DMEM**

ANA SALLES DE CARVALHO1; GABRIEL QUITETE SCHALLER CHAGAS2; ANDREA THOMPSON DA POIAN1;  
1. Universidade Federal do Rio de Janeiro; 2. Universidade Federal do Rio de Janeiro;

**CE16 - DIETARY FIBERS IMPROVE THE RECOVERY OF INJURED INTESTINAL EPITHELIUM**

ARILSON BERNARDO DOS SANTOS PEREIRA GOMES; PATRÍCIA BRITO RODRIGUES; SARAH DE OLIVEIRA; LAÍS PASSARIELLO PRAL; POLLYANA RIBEIRO CASTRO; HELDER CARVALHO DE ASSIS; MARIANE FONT FERNANDES; RENAN OLIVEIRA CÔRREA; ULLIANA MARQUES SAMPAIO; REBECA SALVADOR-REYES; MARIA TERESA PEDROSA SILVA CLERICI; MARCO AURÉLIO RAMIREZ VINOLO;  
Universidade Estadual de Campinas- UNICAMP;

**CE17 - DISTINGUISHED ROLE OF MERTK AND AXL RECEPTORS-MEDIATED EFFEROCYTOSIS IN ALVEOLAR MACROPHAGES ON PULMONARY MUCOSAL REGULATION**

KAMILA GUIMARÃES PINTO2; ANTONIA CORRÊA FERREIRA2; MONIQUE LEANDRO2; LETICIA RODRIGUES2; THAÍS DA SILVA RIGONI2; ESTER PALERMO2; JESUINO RAFAEL MACHADO FERREIRA2; MARCELA LOPES2; ESTEFANIA VAZQUEZ1; JIANPING HE1; BRIAN KELSALL1; ALESSANDRA D'ALMEIDA FILARDY2;  
1. NIH; 2. UFRJ;

**CE18 - DUAL DEFICIENCY IN MIF AND IL-10 CAUSES EARLY LETHAL DISEASE IN MICE**

LETÍCIA MARTIMIANO FERREIRA; VINÍCIUS MENDES VIDAL; JOSÉ NAZIOBERTO DUDA DE FARIAS; HEITOR SIFFERT PEREIRA DE SOUZA; MARCELO TORRES BOZZA;  
UFRJ;

**CE19 - EFFECTS OF ORAL ADMINISTRATION OF OLEIC ACID IN IMQ-INDUCED PSORIASIS MOUSE MODEL**

BEATRIZ BURGER; NATALIE BITENCOURT RAMOS; ROBERTA NICOLLI SAGIORATO; JÉSSICA RONDONI SILVA; LAÍS PASSARIELLO PRAL; MARCO AURÉLIO VINOLO; JOSÉ CARLOS FARIAS ALVES FILHO; HOSANA GOMES RODRIGUES;  
Unicamp;

**CE20 - EFFEROCYTOSIS OF ZIKV INFECTED APOPTOTIC NEUROBLASTOMA DRIVES DENDRITIC CELLS ACTIVATION**

BRENO VILAS BOAS RAIMUNDO3; GABRIEL FERRANTI CORRÊA3; LUDMILLA DA SILVA PEREIRA3; LETÍCIA DE AQUINO PENTEADO3; NAIARA NAIANA DEJANI2; PRYSILLA FANINI WOWK1; ALEXANDRA IVO DE MEDEIROS3;  
1. FIOCRUZ; 2. UFPB; 3. UNESP;

**CE21 - ENDOCYTOSIS OF COMMENSAL ANTIGENS BY INTESTINAL EPITHELIAL CELLS REGULATES MUCOSAL T CELL HOMEOSTASIS**

LEANDRO PIRES ARAUJO;  
Columbia University;

**CE22 - EVALUATION OF THE TRYPTOPHAN METABOLISM IN THE MASSIVE GENERATION OF ANTIBODY-SECRETING CELLS IN DENGUE PATIENTS THROUGH THE TRANSCRIPTOME OF SINGLE BLOOD CELLS**

JÉSSICA COSTA NASCIMENTO<sup>3</sup>; ANDRÉ NICOLAU AQUIME GONÇALVES<sup>2</sup>; KAREN TIEMI AKASHI<sup>3</sup>; HELDER TAKASHI IMOTO NAKAYA<sup>1</sup>; EDUARDO LANI VOLPE DA SILVEIRA<sup>3</sup>;  
1. Albert Einstein Israelite Hospital; 2. Liverpool School of Tropical Medicine; 3. University of São Paulo;

**CE23 - GLUCOSE METABOLISM IS UPREGULATED IN THE MONONUCLEAR CELL PROTEOME DURING SEPSIS AND SUPPORTS ENDOTOXIN-TOLERANT CELL FUNCTION**

MÔNICA BRAGAÇA SOUSA; BIANCA LIMA FERREIRA; GIUSEPPE GIANINI FIGUEIREDO LEITE; MILENA K COLÓ BRUNIALTI; REINALDO SALOMÃO;  
UNIFESP;

**CE24 - GLUCOSE OXIDATION TAKES A BREAK IN MITOCHONDRIA TO PROMOTE IMMUNE REGULATION IN PLASMODIUM INFECTION**

THERESA RAMALHO<sup>2</sup>; PATRICIA ASSIS<sup>2</sup>; KELLY MATEUCCI<sup>1</sup>; OGOOLUWA OJELABI<sup>2</sup>; DOUGLAS GOLENBOCK<sup>2</sup>; RICARDO GAZZINELLI<sup>2</sup>;  
1. Plataforma de Medicina Translacional, Fundação Oswaldo Cruz/Faculdade de Medicina de Ribeirão Preto, USP; 2. UMass Med Medical School;

**CE25 - GOLD NANOPARTICLES CONJUGATED WITH ANTI-RBD ANTIBODIES FOR HIGHLY SENSITIVE DETECTION OF SARS-COV-2**

VIVIAN L. DE OLIVEIRA<sup>1</sup>; ANA I.S. MORETTI<sup>1</sup>; EDILBERTO POSTÓL<sup>1</sup>; RAQUEL E. DE ALENCAR<sup>1</sup>; ROBERTO M. PANIAGO<sup>3</sup>; DANIELA S. REIS<sup>3</sup>; WENDEL A. ALVES<sup>2</sup>; FLAVIO G. DA FONSECA<sup>3</sup>; JORGE KALLI<sup>1</sup>; SILVIA B. BOSCARDIN<sup>4</sup>; LIDIA M. ANDRADE<sup>3</sup>;  
1. InCOR-FMUSP; 2. UFABC; 3. UFMG; 4. USP;

**CE26 - GUT EPITHELIAL CELL DYNAMICS DURING ANTIBIOTIC-INDUCED MICROBIOME DEPLETION**

VINICIUS DIAS NIRELLO<sup>1</sup>; NATHÁLIA VITÓRIA PEREIRA ARAÚJO<sup>1</sup>; MARIANE FONT FERNANDES<sup>1</sup>; MARCO AURÉLIO RAMIREZ VINOLO<sup>1</sup>; PATRICK DANIEL WARGA-WEISZ<sup>2</sup>;  
1. University of Campinas; 2. University of Essex;

**CE27 - HISTONE ACETYLATION AND CROTONYLATION PATTERN CHANGES IN EPITHELIAL CELLS DURING INTESTINAL INFLAMMATION**

MARIANE FONT FERNANDES<sup>1</sup>; MARIANA PORTOVEDO MARTINI<sup>2</sup>; SARAH DE OLIVEIRA<sup>1</sup>; ARILSON BERNARDO DOS SANTOS PEREIRA GOMES<sup>1</sup>; VALQUIRIA APARECIDA MATHEUS<sup>1</sup>; MARCO AURÉLIO RAMIREZ VINOLO<sup>1</sup>;  
1. UNICAMP; 2. no affiliation;

**CE28 - HYPERGLYCEMIA IMPAIRS CDC2 CCR7 EXPRESSION AND DAMPENS HOST DEFENSE AGAINST METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS (MRSA) INFECTION IN DIABETIC MICE.**

ISABELLA SANTOS DE PAULA<sup>1</sup>; LETÍCIA DE AQUINO PENTEADO<sup>2</sup>; BRENO VILLA BOAS RAIMUNDO<sup>1</sup>; LUDMILLA DA SILVA PEREIRA<sup>1</sup>; ALEXANDRA IVO DE MEDEIROS<sup>1</sup>;  
1. UNESP; 2. USP;

**CE29 - IDENTIFICATION OF MICROBIOTA-DEPENDENT GENE EXPRESSION IN INTESTINAL CELLS**

NATHÁLIA ARAÚJO<sup>1</sup>; MARIANE FONT FERNANDES<sup>1</sup>; VINICIUS NIRELLO<sup>1</sup>; MARCOS AURELIO RAMIREZ VINOLO<sup>1</sup>; PATRICK VARGA-WEISZ<sup>2</sup>;  
1. UNICAMP; 2. University of Essex;

**CE36 - IMPROVEMENT OF CAR-T CELL THERAPY WITH ULTRA-FAST PROTOCOL AND IL-15 MEMBRANE BOUND ADDITION**

LUIZA ABDO<sup>2</sup>; LUCIANA BARROS<sup>2</sup>; MARIANA VIEGAS<sup>2</sup>; LUISA MARQUES<sup>2</sup>; PRISCILA DE SOUSA FERREIRA<sup>2</sup>; EMMANUEL ARAGÃO<sup>2</sup>; KARINA HAJDU<sup>2</sup>; LEONARDO RIBEIRO<sup>2</sup>; LEONARDO CHICAYBAM<sup>1</sup>; MARTÍN HERNÁN BONAMINO<sup>2</sup>;  
1. Fundação Oswaldo Cruz; 2. Instituto Nacional de Câncer;

**CE89 - THE UBIQUITIN LIGASE SMURF1 REGULATES INNATE IMMUNE SIGNALING AND HOST RESISTANCE TO BACTERIAL INFECTION**

JOSIANE TEIXEIRA DE ANDRADE CHAVES; LUIZ PEDRO SOUZA-COSTA; LUIS HENRIQUE FRANCO;  
Universidade Federal de Minas Gerais;

## CHEMOKINES AND TRAFFICKING (CT)

**CT01 - MODULATORY EFFECT OF CTX FROM CROTALUS DURISSUS TERRIFICUS VENOM ON ACUTE INTESTINAL INFLAMMATION INDUCED BY TNBS IN MICE AND ON HUMAN CELL MIGRATION IN VITRO.**

BIANCA DE CARVALHO LINS FERNANDES TÁVORA; LETÍCIA MARTINS CORDEIRO; ELIANA FAQUIM DE LIMA MAURO;  
Instituto Butantan;



## CLINICAL IMMUNOLOGY (CL)

### CL01 - ANALYSIS OF THE RELATIONSHIP BETWEEN SEROPOSITIVITY FOR CYTOMEGALOVIRUS AND T LYMPHOCYTE PROFILE IN OBESE INDIVIDUALS

ALESSANDRA PERES; DIEGO DEL DUCA LIMA; GILSON PIRES DORNELES; JOANE SEVERO RIBEIRO; LUIZ CARLOS RODRIGUES JUNIOR; UFCSPA;

### CL02 - ARGINASE 1 IS A MARKER OF PROTECTION AGAINST ILLNESS IN CONTACTS OF LEPROSY PATIENTS

RHANA BERTO DA SILVA PRATA2; MAYARA ABUD MENDES2; ANNA MARIA SALES2; NÁDIA CRISTINA DUPPRÉ2; VALÉRIA DE MATOS BORGES2; TATIANA PEREIRA DA SILVA2; PATRICIA TORRES BOZZA2; MARCELO TORRES BOZZA1; EUZENIR NUNES SARNO2; MILTON OZÓRIO MORAES2; GILBERTO MARCELO SPERANDIO DA SILVA2; ROBERTA OLMO PINHEIRO2;

1. Federal University of Rio de Janeiro; 2. Oswaldo Cruz Foundation;

### CL03 - ASSOCIATION BETWEEN ADIPOMYOKINES LEVELS WITH IMMUNOMETABOLIC MARKERS AND DYSFUNCTIONAL ADIPOSE TISSUE. HIGHLIGHTING SLDLDC PROFILE AND C3 LEVELS IN SEDENTARY ADULTS

ROSA-ELENA1; PERLA-MONTSERRAT1; JACQUELINE-ALEJANDRA1; ANA-LILIA1; DALIA-ALEJANDRA1; LUIS-JAVIER1; SERGIO-ALBERTO2; JORGE CASTRO3;

1. Universidad de Guadalajara; 2. Universidad de la Sierra Sur; 3. Universitario de la Costa Sur;

### CL04 - ASSOCIATION OF THE INFLAMMATORY PROFILE IN PATIENTS WITH TEMPOROMANDIBULAR DISORDER ACCORDING TO DISEASE SEVERITY

PRISCILA DA TRINDADE FLORES; KARINA JOB DI LACCIO; GILSON PIRES DORNELES; ALESSANDRA PERES; JOANE SEVERO RIBEIRO; PEDRO ROOSVELT ROMÃO; UFCSPA;

### CL05 - BIOMARKERS OF COVID-19 SEVERITY IN ELDERLY POPULATIONS OF ENDEMIC AND NON-ENDEMIC ZONES

LUCAS HANIEL DE ARAÚJO VENTURA3; GIOVANNA CALIMAN CAMATTA3; CECÍLIA HORTA RAMALHO PINTO3; GABRIELA ABREU DA SILVEIRA E NUNES2; PAULINE MARTINS LEITE BORGES2; ELAINE SPEZIALI FARIAS1; HUGO ITARU SATO3; MARIA EDUARDO PASSOS DA SILVA2; THÁIS CAMPINO SIQUEIRA2; VITÓRIA DIAS RIGUETE CHAVES2; JÚLIA MADEIRA LARA2; ANA CLARA MOTA NEVES2; MURILO SOARES COSTA3; SANTUZA MARIA RIBEIRO TEIXEIRA3; UNAÍ TUPINAMBÁS3; ANDREA TEIXEIRA DE CARVALHO1; ANA MARIA CAETANO DE FARIA3;

1. Instituto de Pesquisa René Rachou - Fundação Oswaldo Cruz (FIOCRUZ-MG); 2. Universidade Federal de Juiz de Fora (UFJF); 3. Universidade Federal de Minas Gerais (UFMG);

### CL06 - CHARACTERIZATION OF INITIAL HUMORAL AND CELLULAR IMMUNE RESPONDE IN DIFFERENT CLINICAL OUTCOMES OF COVID-19

GUILHERME SANT'ANNA DE LIRA; Universidade Federal do Rio de Janeiro;

### CL07 - CHRONIC COMBINED TRAINING MODULATES SYSTEMIC LEVELS OF CYTOKINES IN PATIENTS WITH SCHIZOPHRENIA

GIOVANA HAMERSKI TROMBETTA1; COROLINE LAVRATTI1; MARIA CAROLINA DA ROSA BOEIRA1; LÚCIO IRACI2; GILSON PIRES DORNELES1; VIVIANE ELSNER1; ALESSANDRA PERES1; 1. UFCSPA; 2. UFSCPA;

### CL08 - CLINICAL AND IMMUNOLOGICAL MARKERS IN CHILDREN INFECTED WITH RESPIRATORY VIRUSES IN A PEDIATRIC HOSPITAL IN MINAS GERAIS

LIVIA ISABELA OLIVEIRA2; BRUNO VINÍCIUS SANTOS VALIATE2; GABRIELA BARBI FREIRE MAIA1; CAROLINA FERNANDES OTONI VIEIRA1; CAROLINA MALAQUIAS RODRIGUES3; GREGÓRIO GUILHERME ALMEIDA2; RICARDO TOSTES GAZZINELLI2; 1. Faculdade Ciências Médicas de Minas Gerais; 2. Fiocruz Minas; 3. Fundação Hospitalar do Estado de Minas Gerais;

### CL09 - COMPARISON OF NEUTRALIZING ANTIBODY DEVELOPMENT BY PSEUDOVIRUS METHODOLOGY FOR INFECTION WITH SARS-COV-2 AND/OR VACCINATION

SARAH APARECIDA RODRIGUES SÉRGIO1; KARINE LIMA LOURENÇO1; FLÁVIA FONSECA BAGNO1; LUIS ADAN FLORES1; ANA PAULA SALLES MOURA FERNANDES1; SANTUZA MARIA RIBEIRO TEIXEIRA1; RICARDO TOSTES GAZZINELLI2; FLÁVIO GUIMARÃES DA FONSECA1; 1. CT Vacinas/UFMG; 2. CT Vacinas/UFMG/Fiocruz;

### CL10 - CONSUMPTION OF ULTRA-PROCESSED FOODS INTERFERES WITH THE SECRETION OF CYTOKINES IN COLOSTRUM

JÚNEA REGINA PIRES DREWS3; ANA CAROLINA DE SENA AVELLAR3; MARIANA NAVES SILVA DE OLIVEIRA2; ANA MARIA CAETANO DE FARIA1; ELAINE SPEZIALI DE FARIA4; TATIANI UCELI MAIOLI1; 1. Departamento de Bioquímica e Imunologia, Universidade Federal de Minas Gerais; 2. Departamento de Nutrição, Programa de Pós-graduação em Nutrição e Saúde, UFMG e Hospital Sofia Feldman; 3. Departamento de Nutrição, Programa de Pós-graduação em Nutrição e Saúde, Universidade Federal de Minas Gerais; 4. Instituto de Pesquisa Rene Rachou, Fundação Oswaldo Cruz;



**CL11 - DEATH AMONG HEMATOLOGIC CANCER PATIENTS PRESENTING COVID-19 IS DEFINED BY A BROAD T CELL EXHAUSTION AND A CYTOKINE-RELEASE SYNDROME PROFILE.**

FLÁVIO PIGNATARO-OSHIRO1; FLÁVIA DE AZEVEDO ABRANTES1; IVAN LEONARDO AVELINO FRANÇA E SILVA1; JAYR SCHMIDT FILHO1; JULIANA VALÉRIA DE SOUZA FRAMIL1; MARCELLE GOLDNER CESCA1; MARJORIE VIEIRA BATISTA1; KENNETH JOHN GOLLOB2; AMANDA BRAGA DE FIGUEIREDO2; NAYANE ALVES DE LIMA GALDINO2; KATIA LUCIANO PEREIRA MORAIS2; CLARA MACIEL CAVALCANTI2; WALDEREZ ORNELAS DUTRA3; DIEGO FERIANI1; BIANCA GRASSI DE MIRANDA SILVA1;

1. A.C. Camargo Cancer Center; 2. Hospital Israelita Albert Einstein; 3. Universidade Federal de Minas Gerais;

**E105 - TEACHING-LEARNING COVID-19 IMMUNOLOGY**

LUCIA RENATA MEIRELES DE SOUZA2; JULIA CERUTTI CALHEIROS DE FREITAS1; RAFAELA AGUIAR GIOVANELLI1; AMANDA BARROSO BRIZON1; VALÉRIA DA SILVA TRAJANO3;

1. CCS/UFES; 2. Depto. Patologia/ Centro de Ciências da Saúde /Universidade Federal do Espírito Santo (CCS/UFES); 3. Laboratório de Inovação em Terapia, Ensino e Bioprodutos (LITEB)/IOC/FIOCRUZ;

**E106 - VIDEOS: DIDACTIC TOOLS TO PROMOTE LEARNING IN IMMUNOLOGY**

RAFAELA AGUIAR GIOVANELLI2; JÚLIA CERUTTI CALHEIROS DE FREITAS1; BEATRIZ RIBEIRO DE SOUZA1; AMANDA BARROSO BRIZON1; LUCIA RENATA MEIRELES DE SOUZA3;

1. CCS/UFES; 2. CCS/Universidade Federal do Espírito Santo; 3. Dept.Patologia/Centro de Ciências da Saúde/UFES;

**E107 - WHAT'S THE DIFFERENCE BETWEEN VACCINE AND SERUM THERAPY? LEARNING IMMUNOLOGY IN BASIC SCHOOL USING A GAMIFIED COMPETITION**

BEATRIZ MAIA GUIMARÃES; LÚCIA RENATA MEIRELES DE SOUZA; RAFAELA AGUIAR GIOVANELLI; AMANDA BARROSO BRIZON; BEATRIZ RIBEIRO DE SOUZA; THAYS NEVES NANTET; UFES;

## EDUCATION IN IMMUNOLOGY (EI)

**E101 - DIGITAL MAGAZINE IMUNOQ?: PUBLISHING THE IMMUNOLOGICAL SYSTEM ON SOCIAL MEDIA**

NATÁLIA SARAN RANDO BARROS; IRIS DECHIARE PASSOS RIBEIRO; RAPHAEL HENRIQUE DA SILVA; MARIA APARECIDA ALVES DA SILVA; Universidade Federal de São Carlos campus Sorocaba;

**E102 - IMMUNOLOGY DISCLOSURE TO BRAZILIAN SOCIETY BY SOCIAL MEDIA: IMUNOLOG – DIVULGANDO CIÊNCIA**

MARIA FERNANDA DE SOUZA COSTA2; RAQUEL CONCEIÇÃO MAIA BARROS2; RAQUEL NUNES DE OLIVEIRA2; FABIANA TEIXEIRA E SILVA2; GUILHERME IACK PINHEIRO DA CRUZ2; LAÍS DE SOUZA CUSTÓDIO2; RAYANE OLIVEIRA COSTA2; LUANA NETO DE LIMA2; JACIARA FERNANDA GOMES GAMA1;

1. Fundação Oswaldo Cruz; 2. Universidade Federal Fluminense;

**E103 - PADLET AS AN ACTIVE AND COLLABORATIVE TOOL OF TEACHING-LEARNING IN IMMUNOLOGY**

JÚLIA CERUTTI CALHEIROS DE FREITAS; RAFAELA AGUIAR GIOVANELLI; AMANDA BARROSO BRIZON; BEATRIZ MAIA GUIMARÃES; RAISSA THOMPSON TORRES; LUCIA RENATA MEIRELES DE SOUZA;

Universidade Federal do Espírito Santo;

**E104 - TEACHING THE IMPORTANCE OF VACCINATION COVERAGE: UNDERSTANDING HERD IMMUNITY IN BASIC SCHOOL**

AMANDA BARROSO BRIZON1; BEATRIZ RIBEIRO DE SOUZA1; RAFAELA AGUIAR GIOVANELLI1; THAYS NEVES NANTET1; GUILHERME SANTOS VINHANDI1; JÚLIA CERUTTI CALHEIROS DE FREITAS1; LUCIA RENATA MEIRELES DE SOUZA2;

1. CCS/UFES; 2. Dept.Patologia/Centro de Ciências da Saúde/ Universidade Federal do Espírito Santo (CCS/UFES);

## HUMORAL IMMUNOLOGY (HI)

**HI01 - A METHOD FOR ANALYZING THE GENETIC AND SPECIFICITY REPERTOIRE OF IMMUNOGLOBULINS FROM HUMAN AND MURINE GERMINAL CENTER B CELLS THROUGH SINGLE CELL CULTURES**

LUCAS TOSTES COSTA VAZ2; LUCIANA CONDE RODRIGUES MAIA2; VICENTE B. T. BOZZA2; GABRIELA MACIEL DA SILVA2; DANIELLE APARECIDA SOUSA RODRIGUES2; FERNANDO LUZ DE CASTRO2; YARE DA SILVA PEREIRA MÊLLO2; BRUNO M. S. SANTOS2; JULIANA ECHEVARRIA N. LIMA2; LEDA DOS REIS CASTILHO2; ALBERTO FÉLIX DA NÓBREGA2; LEONARDO HOLANDA TRAVASSOS CORREA2; CECILIA BATAGLIOLI CAVAZZONI1; ANDRÉ MACEDO VALEZ2;

1. Rockefeller University; 2. Universidade Federal do Rio de Janeiro;

**HI02 - CHADOX-1 VACCINE PRESENTS BETTER ANTIBODY RESPONSE AND IMMUNOGENICITY THAN CORONAVAC IN A GROUP OF PHYSICALLY ACTIVE OLDER ADULTS**

BRENDA RODRIGUES SILVA2; JÔNATAS BUSSADOR DO AMARAL1; MARINA TIEMI SHIO2; VITÓRIA PAIXÃO1; FERNANDA MONTEIRO2; CAROLINA NUNES FRANÇA2; ANDRÉ LUIS LACERDA BACHID2;

1. Universidade Federal de São Paulo; 2. Universidade de Santo Amaro;

**HI03 - "COMPOSITION OF IMMUNOGLOBULIN CDRS: GEOGRAPHY AND CO-EVOLUTION WITH FEVER-INDUCING PATHOGENS"**

FERNANDA CARDOSO; JOÃO MARCELO P. ALVES; MARISTELA MARTINS DE CAMARGO; USP;

**HI04 - DIFFERENTIAL REGULATION OF IGE AND IGG1-POSITIVE B CELLS IN MEDIASTINAL LYMPH NODE AND SPLEEN BY CPG-OLYGNUCLEOTIDE ADSORBED TO ALUM ADJUVANT**

VICTOR ASSIS KERSTEN1; ELIANE GOMES2; CHRISTIANNE BANDEIRA DE MELO1; ANDRE MACEDO VALE1; MOMTCHILU RUSSO2;

1. Universidade Federal do Rio de Janeiro; 2. Universidade de São Paulo;

**HI05 - DUAL DYNAMICS OF B-1 AND B-2 CELL SUBSETS IN LYMPHOID AND NON-LYMPHOID ORGANS DURING CALORIC RESTRICTION**

LUÍSA MENEZES SILVA2; ELOÍSA MARTINS DA SILVA1; JEFFERSON ANTÔNIO LEITE2; LUÍS EDUARDO DUARTE GONÇALVES2; JULIANA MOREIRA MENDONÇA GOMES2; MARCELLA CIPELLI2; VICTOR YUJI YARIWAKE2; OMAR ALBERTO DOMÍNGUEZ AMOROCHO2; CAMILA IDELÍ MORALES FÉNERO2; MEIRE IOSHIE HIYANE2; PAULO JOSÉ BASSO2; NIELS OLSEN SARAIVA CÂMARA2;

1. Universidade Federal de São Paulo; 2. Universidade de São Paulo;

RIBEIRO DO VALLE ANTONELLI2;

1. Center for Infectious Disease and Vaccine Research; 2. Institute René Rachou/Fiocruz Minas; 3. Research Center in Tropical Medicine;

**ID003 - A HIGH CMV-SPECIFIC T CELL RESPONSE ASSOCIATES WITH SARS-COV-2-SPECIFIC IL-17+ T CELL PRODUCTION**

FERNANDA TEREZA BOVI FROZZA3; RENATO STEIN2; CRISTINA BONORINO3; TIAGO FAZOLO3; PRISCILA OLIVEIRA DE SOUZA3; KARINA LIMA3; JULIA CRISPIM DA FONTOURA3; THÉO SOUZA BORBA3; MÁRCIA POLESE-BONATTO1; GRAHAM PAWELEC4; LUCIANE BEATRIZ KERN1;

1. Hospital Moinhos de Vento; 2. PUCRS; 3. UFCSPA; 4. University of Tübingen;

**ID004 - AIRWAY ADMINISTRATION OF POSTBIOTIC PROTECTS MICE AGAINST RESPIRATORY SYNCYTIAL VIRUS INFECTION PROMOTING IMMUNE TOLEROGENIC PROFILE**

KRIST HELEN ANTUNES2; GISELE CASSÃO2; LEONARDO DUARTE SANTOS2; SOFIA GIACOMET BORGES2; JULIANA GORGEN POPPE2; GUILHERME FERNANDO RECACHO2; CHRISTIAN PASQUALI1; ANA PAULA DUARTE DE SOUZA2;

1. OM Pharma SA; 2. PUCRS;

**ID005 - ANALYSIS OF THE SECRETOME PROFILE OF PBMC OF INDIVIDUALS IMMUNIZED WITH THE CHADOX1 NCOV-19 VACCINE**

DANIEL KARCHER1; MERIELLEN DIAS2; MARIA ANITA MENDES2; LUIZ MARIO RAMOS JANINI1; JULIANA TERZI MARICATO1;

1. Universidade Federal de São Paulo; 2. Universidade de São Paulo;

**ID006 - ANTIGEN BINDING EVALUATION OF ANTI-ACINETOBACTER BAUMANNII MONOCLONAL ANTIBODIES**

LAIANNE DIAS INÁCIO2; ANNA ERIKA VIEIRA DE ARAÚJO2; MILENA MOUTA VERDAN FRANÇA CARVALHO1; FELIPE BETONI SARAIVA2; JOSÉ PROCÓPIO MORENO SENNA2;

1. Laboratory of Immunological Technology, Institute of technology in Immunobiologicals, Bio-Manguinhos/FIOCRUZ; 2. Recombinant Technology Laboratory, Institute of technology in Immunobiologicals, Bio-Manguinhos/FIOCRUZ;

**ID007 - ARYL HIDROCARBON RECEPTOR IMMUNOMETABOLIC ROLE DURING A MURINE BETACORONAVIRUS EXPERIMENTAL INFECTION**

FERNANDO ROQUE ASCENÇÃO; CAIO TAVARES FAGUNDES; MAURO MARTINS TEIXEIRA;

UFMG;

## IMMUNOLOGY OF INFECTIOUS AND PARASITIC DISEASES (ID)

**ID001 - A COMPLEX NETWORK OF MIRNA AND HOST GENE SHIFT MACROPHAGE RESPONSE TO LPS AND LEISHMANIA INFECTION**

SANDRA MARCIA MUXEL2; STEPHANIE MAIA ACUÑA1; JONATHAN MIGUEL ZANATTA2; JULIANE CRISTINA RIBEIRO FERNANDES1; CAROLINA MANGANELI POLONIO2; JEAN PIERRE S PERON2;

1. Instituto de Biociências, Universidade de São Paulo; 2. Instituto de Ciências Biomédicas, Universidade de São Paulo;

**ID002 - A COMPREHENSIVE PEPTIDE LIBRARY OF P. VIVAX INDUCES THE EXPRESSION OF ACTIVATION MARKERS IN CD4+ T CELL FROM SYMPTOMATIC AND ASYMPTOMATIC INDIVIDUALS.**

CAMILA MEDEIROS COSTA2; GREGÓRIO GUILHERME ALMEIDA2; DHÉLIO BATISTA PEREIRA3; MAURO SHUGIRO TADA3; CECÍLIA LINDESTAM ARLEHAMN1; RICARDO TOSTES GAZZINELLI2; LIS

**ID008 - ASSESSING TEMPORAL TRANSCRIPTIONAL PROFILES OF CUTANEOUS LEISHMANIASIS TO IDENTIFY NEW TARGETS FOR THERAPEUTIC INTERVENTIONS**

JÉSSICA LOBO DA SILVA1; CIBELE TEREZA DEOLINDA MACHADO ORGE1; ALMIRO PIRES DA SILVA NETO1; VALDOMIRO SILVEIRA MOITINHO JÚNIOR1; GABRIEL DA ROCHA FERNANDES2; PABLO IVAN PEREIRA RAMOS1; ANTÔNIO RICARDO KHOURI CUNHA1; LEONARDO PAIVA FARIAS1;  
1. Instituto Gonçalves Moniz – FIOCRUZ; 2. René Rachou – FIOCRUZ;

**ID009 - CARDIAC CHAGAS DISEASE IS ASSOCIATED WITH EXPANSION OF SPECIFIC T AND B CELL SUBSETS**

ISABELA NATÁLIA PASCOAL CAMPOS DO VALE1; GREGÓRIO GUILHERME ALMEIDA1; INGA RIMKUTE2; THOMAS LIECHT12; SILVANA MARIA ELÓI SANTOS3; PRISCILLA MIRANDA HENRIQUES1; OLINDO ASSIS MARTINS-FILHO1; FERNANDA FORTES DE ARAÚJO1; DRAGANA JANKOVIC2; ALAN SHER2; MARIO ROEDERER2; ANDRÉA TEIXEIRA-CARVALHO1; LIS RIBEIRO DO VALLE ANTONELLI1;  
1. INSTITUTO RENÉ RACHOU, FUNDAÇÃO OSWALDO CRUZ – FIOCRUZ-Minas; 2. NATIONAL INSTITUTES OF HEALTH; 3. UNIVERSIDADE FEDERAL DE MINAS GERAIS;

**ID010 - CD39 AS A KEY ENZYME FOR RESTRICTING P2X7-MEDIATED LUNG NECROTIC LESIONS IN EXPERIMENTAL TUBERCULOSIS**

MARIA REGINA D'IMPÉRIO LIMA;  
USP;

**ID011 - CD57 EXPRESSION IN LEUKOPLAKIA AND SQUAMOUS CELL CARCINOMA OF THE MOUTH**

JENNIFER NAED MARTINS DE FREITAS; JULIA OLIVEIRA SOARES; SIMONE BERTOZI DE SOUZA VASCONCELOS; CACILDA TEZELLI JUNQUEIRA PADOVANI; ALDA MARIA TEIXEIRA FERREIRA; INÊS APARECIDA TOZETTI;  
UNIVERSIDADE FEDERAL DO MATO GROSSO DO SUL;

**ID012 - CHAGASIC CARDIOMYOPATHY IS MARKED BY A UNIQUE ACTIVATION PATTERN OF CD4+ T CELL POPULATIONS**

GREGÓRIO GUILHERME ALMEIDA1; INGA RIMKUTE2; ISABELA NATÁLIA PASCOAL CAMPOS DO VALE1; THOMAS LIECHT12; PRISCILLA MIRANDA HENRIQUES1; ESTER DOS SANTOS ROFFE2; FERNANDA FORTES DE ARAÚJO1; MANOEL OTÁVIO DA COSTA ROCHA3; SILVANA MARIA ELÓI SANTOS3; OLINDO ASSIS MARTINS-FILHO1; DRAGANA JANKOVIC2; ALAN SHER2; ANDREA TEIXEIRA DE CARVALHO1; MARIO ROEDERER2; LIS RIBEIRO DO VALE ANTONELLI1;  
1. Fiocruz Minas; 2. NIH; 3. UFMG;

**ID013 - CHARACTERIZATION OF EXTRACELLULAR VESICLES ISOLATED FROM THE PLASMA OF PEOPLE LIVING WITH HIV**

BRENDA CAVALIN MOREIRA2; HUMBERTO DORIGUÉTO GRAVINA2; RICARDO CARDOSO CASTRO1; JULIA OLIVEIRA DE LIMA2; FABRÍCIA HELOISA CAVICCHIOLI SUGIYAMA2; MATEUS DA SILVA MATIAS ANTUNES2; CAROLINE FONTANARI2; VALDES ROBERTO BOLLELA1; YANN YVES LAMARRE3; FAUSTO BRUNO DOS REIS ALMEIDA1; SIMONE KASHIMA HADDAD3; FABIANI GAI

FRANTZ2;

1. Ribeirão Preto Medical School – FMRP/USP; 2. Ribeirão Preto Pharmaceutical Sciences School – University of São Paulo – FCFRP/USP; 3. Ribeirão Preto Regional Blood Center – Hemocentro. Ribeirão Preto, São Paulo, Brazil;

**ID014 - CHARACTERIZATION OF THE IMMUNE RESPONSE AGAINST AN EFFLUX PUMP PROTEIN OF GRAM-NEGATIVE BACTERIA ASSOCIATED WITH ANTIMICROBIAL RESISTANCE**

THAYNARA OLIVEIRA DA SILVA3; CAROLINE ALBUQUERQUE ROTILHO DOS SANTOS4; LUCAS CHAGAS DO NASCIMENTO3; JOÃO GABRIEL COSTA FANTICELLI3; LUCAS SOUZA DA SILVA3; DIAMANTINO SALGADO2; BIA FRANCIS RAJSFUS1; DIEGO ALLONSO1; LILIAN DE OLIVEIRA MOREIRA3; PRISCILLA CHRISTINA OLSEN3;  
1. Biotecfar/Faculdade de Farmácia/UFRJ; 2. CTI/HUCFF/UFRJ; 3. DACT/Faculdade de Farmácia/UFRJ; 4. DACT/Faculdade de Farmácia/UFRJ;

**ID015 - CHARACTERIZING THE SPECIFIC T CELL RESPONSE AGAINST IN SILICO PREDICTED PEPTIDE EPITOPES IN COVID-19 CONVALESCENT INDIVIDUALS**

LUCAS CAUE JACINTHO2; JULIANA DE SOUZA APOSTOLICO1; EDGAR RUIZ FERNANDES1; JORGE KALIL3; DANIELA SANTORO ROSA1; EDECIO CUNHA NETO4;  
1. Departamento de Microbiologia, Imunologia e Parasitologia da Universidade Federal de São Paulo (UNIFESP/EPM), São Paulo, Brazil.; 2. Laboratório de Imunologia, Instituto do Coração (InCor), Hospital das Clínicas 12 HCFMUSP, Faculdade de Medicina, Universidade de São Paulo, Brazil; 3. Laboratório de Imunologia, Instituto do Coração (InCor), Hospital das Clínicas 12 HCFMUSP, Faculdade de Medicina, Universidade de São Paulo, Brazil.; 4. Laboratório de Investigação Médica (LIM-19), Hospital das Clínicas HCFMUSP, 16 Faculdade de Medicina, Universidade de São Paulo, São Paulo, Brazil;

**ID016 - CHIKUNGUNIA VIRUS INFECTION IMPACTS BIOMECHANICAL PROPERTIES AND MAPK SIGNALING PATHWAYS IN FIBROBLAST-LIKE SYNOVIOCYTES (HFLS) IN VITRO**

JULIA DE ANDRADE BRANDÃO2; KÁTIA DUARTE GALVÃO2; GRAZIELLE LOBO COELHO2; ELANE CONCEIÇÃO DOS SANTOS2; ELAINE CRISTINA OLIVEIRA DA SILVA3; AXEL RULF COFRÉ2; MARCELO DUZZIONI2; EDUARDO JORGE DA SILVA FONSECA3; SAMUEL TEIXEIRA DE SOUZA3; LETÍCIA ANDERSON1; ÊNIO JOSÉ BASSI2;  
1. Centro Universitário CESMAC; 2. Instituto de Ciências Biológicas e da Saúde (ICBS), Universidade Federal de Alagoas (UFAL); 3. Instituto de Física, Universidade Federal de Alagoas (UFAL);

**ID017 - COMPARTMENTALIZED CYTOTOXIC IMMUNE RESPONSE LEADS TO DISTINCT PATHOGENIC ROLES OF NATURAL KILLER AND SENESCENT CD8+ T CELLS IN HUMAN CUTANEOUS LEISHMANIASIS**

LUCIANA POLACO COVRE;  
Universidade Federal do Espírito Santo;

**ID018 - CONTRIBUTIONS OF EXTRACELLULAR VESICLES IN THE PATHOPHYSIOLOGY OF HUMAN CUTANEOUS LEISHMANIASIS**

VANESSA FERNANDES DE ABREU COSTA<sup>2</sup>; THAIZE QUIROGA CHOMETON PEDRO<sup>1</sup>; MARIA INÊS FERNANDES PIMENTEL<sup>3</sup>; MARCELO ROSANDISKI LYRA<sup>3</sup>; RAQUEL DE SOUSA PAREDES<sup>2</sup>; MELISSA SILVA GONÇALVES PONTE<sup>2</sup>; ALVARO LUIZ BERTHO DOS SANTOS<sup>2</sup>;

1. Auckland University; 2. Fundação Oswaldo Cruz; 3. Instituto Nacional de Infectologia Evandro Chagas;

**ID019 - CRYPTOCOCCUS GATTII TITAN CELLS AND LUNG IMPAIRMENT IN TLR9-/- MICE: HISTOPATHOLOGICAL ANALYSIS**

ELIAS BARBOSA DA SILVA JUNIOR<sup>1</sup>; ISRAEL DINIZ LIMA<sup>1</sup>; JOYCE CRISTINA GUIMARÃES DE OLIVEIRA<sup>1</sup>; BRENDA ALVES DE SOUZA<sup>1</sup>; DANIELLE OLIVEIRA NASCIMENTO<sup>2</sup>; LEONARDO FREIRE DE LIMA<sup>1</sup>; DEBORA DECOTÉ RICARDO<sup>2</sup>; HERBERT LEONEL DE MATOS GUEDES<sup>1</sup>; CÉLIO GERALDO FREIRE DE LIMA<sup>1</sup>;

1. UFRJ; 2. UFRRJ;

**ID020 - DECREASED MICROBICIDAL ACTIVITY OF MACROPHAGES CO-CULTURED WITH CD8 T LYMPHOCYTES IN ENCEPHALITZOON CUNICULI INFECTION**

MARIA ANETE LALLO; CRISTINA G.N. OLIVEIRA; ELIZABETH C. PÉREZ; ALICIA H. GUTERREZ; ANUSKA MARCELINO ALVARES-SARAIVA;

Universidade Paulista - Unip;

**ID021 - DECTIN-1 AND TLR-2 ARE IMPORTANT INNATE IMMUNE RECEPTORS FOR BOTH EXPANSION AND ACTIVITY OF MYELOID-DERIVED SUPPRESSOR CELLS IN PULMONARY PARACOCCIDIOIDES BRASILIENSIS INFECTION**

VALÉRIA DE LIMA KAMINSKI; NYCOLAS WILLIAN PREITE; BRUNO MONTANARI BORGES; FLÁVIO VIEIRA LOURES; UNIFESP;

**ID022 - DEFICIENCY OF ANNEXIN A1 INCREASED SUSCEPTIBILITY TO EXPERIMENTAL SEVERE MALARIA**

NATALIA FERNANDA DE MELO OLIVEIRA; RAYANE APARECIDA NONATO RABELO; SAMUEL LUIZ TEIXEIRA PORTO; PAULO GAIO LEITE; RAFAELA DAS DORES PEREIRA; VIVIAN BARBOSA SANTOS ALVARENGA; ALLYSSON THIAGO CRAMER SOARES; FERNANDO BENTO RODRIGUES OLIVEIRA; LAURA LIS DE OLIVEIRA SANTOS; FABIANA SIMÃO MACHADO;

Universidade Federal de Minas Gerais;

**ID023 - DEFICIENCY OF FORMYL 2 PEPTIDE RECEPTOR: EFFECTS IN THE MODULATION OF IMMUNE RESPONSE AND DEVELOPMENT OF SEVERE MALARIA CAUSED BY PLASMODIUM BERGHEI ANKA INFECTION**

LAURA LIS DE OLIVEIRA SANTOS; PAULO GAIO LEITE; ALLYSSON THIAGO CRAMER SOARES; SAMUEL LUIZ TEIXEIRA PORTO; LUCAS KRAMER ROCHA; NATALIA FERNANDA DE MELO OLIVEIRA; FERNANDO BENTO RODRIGUES OLIVEIRA; CÉSAR LUIZ

NASCIMENTO BARBOSA; RAYANE APARECIDA NONATO RABELO; LÍVIA FERNANDA DIAS SANTANA; MARIA CLARA DA SILVA BASTOS; RAFAELA DAS DORES PEREIRA; MAURO TEIXEIRA; REMO RUSSO; FABIANA SIMÃO MACHADO; UFMG;

**ID024 - DIFFERENCES IN THE NEUTROPHIL RESPONSE IN DISCORDANT COUPLES FOR SARS-COV-2 INFECTION**

THAYNÁ RUIZ FERREIRA<sup>4</sup>; ANA LAURA ORTEGA DEZEN<sup>4</sup>; FERNANDO COUSO CORREA<sup>4</sup>; LARISSA RAGOZO CARDOSO DE OLIVEIRA<sup>2</sup>; CAMILA LOPES SIMEONI<sup>3</sup>; JOSÉ LUIZ PROENÇA MÓDENA<sup>3</sup>; LUCIANE ALARÇÃO DIAS-MELICIO<sup>1</sup>;

1. Departamento de Patologia, Faculdade de Medicina -UNESP, Botucatu-SP, Brasil.; 2. Depto. Ciências Químicas e Biológicas, Instituto de Biociências – UNESP, Botucatu-SP, Brasil; 3.

Laboratório de Estudo de Vírus Emergentes (LEVE), Instituto de Biologia, UNICAMP, Campinas-SP, Brasil; 4. Laboratório de Imunopatologia e Agentes Infecciosos (LIAI), UNIPEX, Faculdade de Medicina - UNESP, Botucatu-SP, Brasil;

**ID025 - DISTINCT PLASMA METABOLIC PROFILE IN HIV-1 ELITE CONTROLLERS**

JOÃO MARCOS MAIA SILVA<sup>2</sup>; JOÃO LUCAS LIMA CALANDRINI DE AZEVEDO<sup>2</sup>; GESIANE DA SILVA LIMA<sup>6</sup>; MORGANA KELLY BORGES PRADO<sup>2</sup>; GABRIEL FRANCO SANTOS<sup>6</sup>; ARISSA FELIPE BORGES<sup>6</sup>; FERNANDA DE OLIVEIRA FEITOSA DE CASTRO<sup>2</sup>; ADRIANA OLIVEIRA GUILARDE<sup>3</sup>; LUIZ CARLOS SOUZA<sup>3</sup>; MARCELO MAGRIF; LEDA JAMAL<sup>8</sup>; REGYANE FERREIRA GUIMARÃES<sup>1</sup>; BOAVENTURA BRAZ DE QUEIROZ<sup>9</sup>; PEDRO R. T. ROMÃO<sup>4</sup>; ANDREA RODRIGUES CHAVES<sup>5</sup>; ROSINEIDE SIMAS<sup>5</sup>; BONIEK GONTIJO VAZ<sup>5</sup>; LUIZ GUSTAVO GARDINASSI<sup>2</sup>; SIMONE GONÇALVES FONSECA<sup>2</sup>;

1. Clinical Hospital Dr Serafim de Carvalho, Jataí, Goiás, Brazil; 2. Department of Biosciences and Technology, Institute of Tropical Pathology and Public Health, Federal University of Goiás, Goiânia, GO, Brazil; 3. Institute of Tropical Pathology and Public Health, Federal University of Goiás, Goiânia, GO, Brazil; 4. Laboratory of Cellular and Molecular Immunology, Departamento de Ciências Básicas da Saúde, Universidade Federal de Ciências da Saúde de Porto Alegre,; 5. Laboratory of Chromatography and Mass Spectrometry, Institute of Chemistry, Federal University of Goiás, Goiânia, GO, Brazil; 6. Laboratory of Chromatography and Mass Spectrometry, Institute of Chemistry, Federal University of Goiás, Goiânia, GO, Brazil.; 7. Reference and Training Center – CRT-DST/Aids, SES/SP, Brazil; 8. Reference and Training Center – CRT-DST/Aids, SES/SP, Brazil.; 9. Tropical Diseases Hospital Anuar Auad, Goiânia, Goiás, Brazil.;

**ID026 - DISTINCT PLASTICITY OF ALVEOLAR MACROPHAGES DURING EXPERIMENTAL PULMONARY MALARIA: ESTABLISHING NEW TARGETS FOR FUTURE THERAPEUTIC APPROACHES**

MARCOS V. RANGEL-FERREIRA; LUCAS FREIRE-ANTUNES; CARINA H. G. DE SOUSA; UYLA O. GARCIA; MÔNICA L. RIBEIRO-ALMEIDA; PATRÍCIA M.R. E SILVA; CLÁUDIO T. DANIEL-RIBEIRO; FLÁVIA L. RIBEIRO-GOMES; Fiocruz;



**ID027 - DP2 RECEPTOR ACTIVATION BY ENDOGENOUS PGD2 ATTENUATES SCHISTOSOMA MANSONI INFECTION-INDUCED FIBROGENIC RESPONSE OF HEPATIC GRANULOMA**

GIOVANNA NOGUEIRA PEZZELLA FERREIRA; CHRISTIANNE BANDEIRA DE MELO; BRUNO LOURENÇO DIAZ; CLAUDIO CANETTI; NATALIA RECARDO AMORIM; CAMILA RODRIGUES PÃO; Instituto de Biofísica Carlos Chagas Filho/UFRJ;

**ID028 - EARLY TRANSCRIBED MEMBRANE PROTEINS PURIFICATION AND SEROLOGICAL CHARACTERIZATION FOR MALARIA ENZYME LINKED IMMUNOASSAY**

CRISTOPHER BRYAN DA SILVA GOMES; LUNA BARROCO DE LACERDA; GUILHERME DE CASTRO MAIA; CAROLINE JUNQUEIRA GIUSTA; IRR - FIOCRUZ MINAS;

**ID029 - EB13 SUBUNIT CONTROLS THE RECRUITMENT OF ACTIVATED PHAGOCYTES IN LESIONS OF LEISHMANIA BRAZILIENSIS-INFECTED MICE**

LÍVIA MENDES CARVALHO7; ITACIARA AZEVEDO SEIXAS5; CARLOS ALESSANDRO FUZO6; VANESSA CARREGARO PEREIRA6; ROQUE P. DE ALMEIDA4; EDGAR. M. DE CARVALHO FILHO2; LUCAS P. CARVALHO3; LUCIANA BENEVIDES1; JOÃO SANTANA DA SILVA1; 1. Fiocruz/SP; 2. Universidade Federal da Bahia; 3. Universidade Federal da Bahia e Fiocruz/BA; 4. Universidade Federal de Sergipe; 5. Universidade Federal do Amazonas; 6. Universidade de São Paulo; 7. Universidade de São Paulo/Fiocruz SP;

**ID030 - EFFECT OF 5'-DEOXY-5'-METHYLTHIOADENOSINE TREATMENT ON NK CELL SURFACE RECEPTOR EXPRESSION OF PEOPLE LIVING WITH HIV**

FABRÍCIA HELOISA CAVICCHIOLI SUGIYAMA2; HUMBERTO DORIGUÊTTO GRAVINA2; MATEUS DA SILVA MATIAS ANTUNES2; RICARDO CARDOSO CASTRO1; CAROLINE FONTANARI2; VALDES ROBERTO BOLLELA1; FABIANI GAI FRANTZ2; 1. Medical School of Ribeirao Preto - University of São Paulo; 2. School of Pharmaceutical Sciences of Ribeirao Preto - University of São Paulo;

**ID031 - EFFECT OF AN EPISODE OF ACUTE GASTROINTESTINAL INFECTION ON PATHOGENESIS AND PROGRESSION OF TYPE 1 DIABETES**

LETÍCIA GAMA E SILVA CALIXTO; LEONARDO MANDU; FRANCIELLY MOREIRA; BERNARDO DE OLIVEIRA CASTRO; DENISE MORAIS DA FONSECA; Institute of Biomedical Sciences – University of São Paulo – USP, São Paulo, Brazil;

**ID032 - EFFECT OF OBESITY ON THE PROTECTIVE IMMUNE RESPONSE DEVELOPED DURING EXPERIMENTAL PARACOCIDIOIDES BRASILIENSIS INFECTION**

EVA BURGER; NAYARA ANDRADE DIAS; LAUANA APARECIDA SANTOS; BRUNO JOSÉ NASCIMENTO GOMES; VITOR ROBERTO DE SOUZA; UNIFAL-MG;

**ID033 - EFFECTS OF ZILEUTON IN VITRO AND IN VIVO AGAINST LEISHMANIA MAJOR**

VIVIAN BARBOSA SANTOS ALVARENGA; RAYANE APARECIDA NONATO RABELO; RAFAELA DAS DORES PEREIRA; NATÁLIA FERNANDA DE MELO OLIVEIRA; FERNANDO BENTO RODRIGUES OLIVEIRA; LEONARDO GOMES VAZ; LEDA QUERCIA VIANA; FABIANA SIMÃO MACHADO; ALLYSSON THIAGO CRAMER SOARES; UFMG;

**ID034 - EVALUATION OF IMMUNOMODULATION OF HUMAN ADIPOSE TISSUE INFECTED IN VITRO BY TRYPANOSOMA CRUZI**

LEYLLANE RAFAEL MOREIRA3; ANA CARLA SILVA1; AMANDA VASCONCELOS DO NASCIMENTO1; CÍNTIA NASCIMENTO DA COSTA OLIVEIRA1; CLAUDEIR DIAS DA SILVA JÚNIOR3; VICTOR VAITKEVICIUS ANTÃO DE SOUZA1; MICHELLE DA SILVA BARROS1; KAMILA KÁSSIA DOS SANTOS OLIVEIRA1; DIEGO JOSÉ LIRA TORRES3; LUCIANE DE FREITAS FIRMINO3; ANA KARINE DE ARAÚJO SOARES2; KARINA LIDIANNE ALCÂNTARA SARAIVA1; MILENA DE PAIVA CAVALCANTI1; VIRGINIA MARIA BARROS DE LORENA1; 1. AGGEU MAGALHÃES INSTITUTE; 2. Altino Ventura Foundation; 3. Federal University of Pernambuco;

**ID035 - EVALUATION OF LIPOGENIC AND LIPOLYTIC PATHWAYS IN ADIPOCYTES DERIVED FROM HUMAN ADIPOSE TISSUE STEM CELLS (ADSC) UPON INFECTION WITH TRYPANOSOMA CRUZI AND TREATMENT WITH BENZNIDAZOLE**

ANA CARLA DA SILVA; KAMILA KÁSSIA DOS SANTOS OLIVEIRA; CINTIA NASCIMENTO DA COSTA OLIVEIRA; MARIA GABRIELLA NUNES DE MELO; ISABELLE BARRETO DA SILVA MOREIRA REINO; LEYLLANE RAFAEL MOREIRA; CLAUDEIR DIAS DA SILVA JÚNIOR; VICTOR VAITKEVICIUS ANTÃO DE SOUZA; KLEYTON PALMEIRA DO Ó; LUYDSON RICHARDSON SILVA VASCONCELOS; MILENA DE PAIVA CAVALCANTI; VIRGINIA MARIA BARROS DE LORENA; IAM-FIOCRUZ/PE;

**ID036 - EVALUATION OF MICRORNAs IN ASTROCYTES DURING IMMUNOPATHOGENESIS OF MICROCEPHALY CAUSED BY ZIKV.**

CAROLINA POLONIO; SANDRA M. MUXEL; NAGELA G. ZANLUQUI; LILIAN G. DE OLIVEIRA; YAN DE S. ANGELO; PATRICK DA SILVA; LAURA C. DE FARIAS; TIAGO F. DA SILVA; JEAN P. S. PERON; USP;

**ID037 - EVALUATION OF NETS IN POST-COVID PATIENTS WITH THROMBOEMBOLISM**

ANA LAURA ORTEGA DEZEN4; THAYNÁ RUIZ FERREIRA3; FERNANDO COUSO CORREA6; LEANDRO ALVES DOS SANTOS5; ROBSON APARECIDO PRUDENTE1; ESTEFANIA APARECIDA THOMÉ FRANCO1; NIVEA MARIA FÁBIO1; SUZANA ERICO TANNI1; LUCIANE ALARCÃO DIAS-MELICIO2;

1. Departamento de Clínica Médica, Faculdade de Medicina de Botucatu-FMB, UNESP; 2. Departamento de Patologia, Faculdade de Medicina de Botucatu-FMB, UNESP; 3. Laboratório de Imunopatologia e Agentes Infecciosos-LIAI, UNIPEX, UNESP; 4. Laboratório de Imunopatologia e Agentes Infecciosos-LIAI, UNIPEX, UNESP; 5. Laboratório de Microscopia Confocal, UNIPEX, FMB; 6. Laboratório de Imunopatologia e Agentes Infecciosos-LIAI, UNIPEX, UNESP;

**ID038 - EVALUATION OF PLASMACYTOID DENDRITIC CELL DIFFERENTIATION AND MIGRATION DURING COVID-19 INFECTION IN AN EXPERIMENTAL MODEL**

JÉSSICA ASSIS PEREIRA2; VANESSA FERNANDES RODRIGUES2; JEFFERSON ELIAS OLIVEIRA2; RODRIGO PAOLO FLORES ABUNA1; ÍTALO SOUSA PEREIRA2; MELISSA SANTANA GONSALEZ MACHADO2; SARA CÂNDIDA BARBOSA2; JOÃO SANTANA DA SILVA1; DANIELA CARLOS SARTORIZ2;

1. Plataforma Bi-Institucional de Medicina Translacional; 2. Universidade de São Paulo;

**ID039 - EVALUATION OF THE HUMORAL RESPONSE OF HTLV-1 CARRIERS AGAINST INFECTIONS CAUSED BY GRAM-NEGATIVE BACTERIA**

LUCAS CHAGAS DO NASCIMENTO2; JULIANA ABREU4; THAIS SILVA DE OLIVEIRA4; THAYNARA OLIVEIRA DA SILVA2; CAROLINE ALBUQUERQUE ROTILHO DOS SANTOS2; BIA FRANCIS RAJSFUS1; LUCAS SOUZA DA SILVA2; DIEGO ALLONSO1; MARCO ANTONIO SALES DANTAS DE LIMA3; ANA CLAUDIA CELESTINO BEZERRA LEITE3; JULIANA ECHEVARRIA LIMA4; PRISCILLA CHRISTINA OLSEN2;

1. Biotecfar/Faculdade de Farmácia/UFRJ; 2. DACT/Faculdade de Farmácia/UFRJ; 3. Instituto Nacional de Infectologia/FIOCRUZ; 4. Instituto de Microbiologia Paulo de Góes/UFRJ;

BOZZA1; PATRICIA T. BOZZA2;

1. Instituto D'Or de Pesquisa e Ensino, Rio de Janeiro; 2. Instituto Oswaldo Cruz, FIOCRUZ; 3. Universidade Federal de Juiz de Fora, UFJF; 4. Universidade Federal do Rio de Janeiro, UFRJ; Instituto Oswaldo Cruz, FIOCRUZ; 5. Universidade Federal do Rio de Janeiro, UFRJ; Instituto Oswaldo Cruz, FIOCRUZ - IOC;

**IPO2 - ANALYSIS OF THE ANTIHERPETIC ACTIVITY OF THE EXUDATE AND MAJOR PRODUCT OF SALVIA ULIGINOSA**

MARIA ANTONIA CABRAL MONTEIRO1; ALEXIA GRISMINO SOUSA DOS SANTOS1; PEDRO ROOSEVELT TORRES ROMÃO1; GILSANE VON POSER2; LUIZ CARLOS RODRIGUES JÚNIOR1;

1. UFCSPA; 2. UFRGS;

**IPO3 - BIOCHANIN A INHIBITS CHIKUNGUNYA VIRUS INFECTION IN HUMAN FIBROBLAST-LIKE SYNOVIOCYTES (HFLS): IN VITRO AND IN SILICO STUDY**

GRAZIELLE LOBO COELHO2; STEPHANNIE JANAINA MAIA DE SOUZA2; ELANE CONCEIÇÃO DOS SANTOS2; KÁTHIA DUARTE GALVÃO2; JULIA DE ANDRADE BRANDÃO2; JAMILE TANIELE-SILVA2; TICIANO GOMES DO NASCIMENTO3; EDEILDO FERREIRA DA SILVA-JÚNIOR4; LETÍCIA ANDERSON1; ÊNIO JOSÉ BASSI2;

1. Centro Universitário CESMAC; 2. Instituto de Ciências Biológicas e da Saúde (ICBS), Universidade Federal de Alagoas (UFAL); 3. Instituto de Ciências Farmacêuticas (ICF), Universidade Federal de Alagoas (UFAL); 4. Instituto de Química e Biotecnologia (IQB), Universidade Federal de Alagoas (UFAL);

**IPO4 - CAULERPINE, FROM CAULERPA RACEMOSA, AMELIORATE THE INFLAMMATORY PROCESS AND TISSUE DAMAGE IN A MURINE MODEL OF ACUTE LUNG INJURY**

ÍCARO VALENTIM CÂMARA MAGGI2; LUCAS ALVES DE SOUSA GOMEZ2; CÁSSIO RICARDO DE MEDEIROS SOUZA2; PEDRO PAULO DE ANDRADE SANTOS2; BÁRBARA VIVIANA DE OLIVEIRA SANTOS1; JANEUSA TRINDADE DE SOUTO2;

1. Federal University of Paraíba; 2. Federal University of Rio Grande do Norte;

**IPO5 - CHARACTERIZATION OF THE BIOCHEMICAL, HEMATOLOGICAL, AND INFLAMMATORY PROFILE OF SICKLE-CELL MICE: CORRELATIONS WITH LIPID METABOLISM AND EICOSANOID PRODUCTION IN A SKIN ULCER MODEL**

GUSTAVO MARINHO MIRANDA3; SARA NUNES DE OLIVEIRA ARAÚJOS; KAIO JEFFÉ SANTOS DE OLIVEIRA DIAS3; VITOR ANTÔNIO FORTUNA1; NATÁLIA MACHADO TAVARES4; MARILDA DE SOUZA GONÇALVES2; JAIME RIBEIRO FILHO4;

1. Federal University of Bahia - UFBA; 2. Federal University of Bahia - UFBA; Gonçalo Moniz Institute (IGM), Oswaldo Cruz Foundation (Fiocruz); 3. Federal University of Bahia - UFBA; Gonçalo Moniz Institute (IGM), Oswaldo Cruz Foundation (Fiocruz); 4. Gonçalo Moniz Institute (IGM), Oswaldo Cruz Foundation (Fiocruz); 5. Gonçalo Moniz Institute (IGM), Oswaldo Cruz Foundation (Fiocruz);

## IMMUNOPHARMACOLOGY (IP)

**IPO1 - ANALYSIS OF PLATELET ACTIVATION AND INTERACTION WITH EPITHELIAL CELLS AGAINST SARS-COV-2 INFECTION**

MARIANA MACEDO DE CAMPOS5; ISACLAUDIA GOMES AZEVEDO-QUINTANILHA2; SUELEN SILVA GOMES DIAS2; VINICIUS CARDOSO SOARES4; JULIA DA CUNHA SANTOS2; DOUGLAS MATHIAS OLIVEIRA2; REMY MARTINS-GONÇALVES4; THIAGO MORENO SOUZA LOPES2; EUGENIO DAMACENO HOTTZ3; FERNANDO A.

**IP06 - DIALLYL DISULFIDE PREVENTS CIGARETTE SMOKE-INDUCED EMPHYSEMA IN MICE**

ALINE DE OLIVEIRA PONTES CARDOSO; CYNTIA PECLI DA SILVA; FRANCISCA DE FATIMA DOS ANJOS; NICOLAS QUESNOT; HELBER DA MAIA VALENÇA; ISABELLA CATTANI-CAVALIERI; LYCIA BRITO-GITIRANA; SAMUEL SANTOS VALENÇA; MANUELLA LANZETTI; UFRJ;

**IP07 - EFFECT OF CANNABINOID RECEPTOR TYPE 2 AGONIST GP1A ON MACROPHAGE ACTIVATION DURING M. BOVIS-BCG INFECTION**

JESSICA DO PRADO VALERIANO3; GUILHERME IACK PINHEIRO DA CRUZ2; MARIA DAS GRAÇAS MULLER DE OLIVEIRA HENRIQUES3; MARIA FERNANDA DE SOUZA COSTA1;

1. Universidade Federal Fluminense; 2. Universidade Federal do Rio de Janeiro; 3. Universidade do Estado do Rio de Janeiro;

**IP08 - EFFECT OF MORINA SR2+ COMPLEX INHIBITING OSTEOCLASTS FORMATION**

RITA DE CÁSSIA BARBOSA MACEDO; LAISA YASMIN DE SOUZA; SANDRA YASUYO FUKADA ALVES; ANA PAULA RAMOS; PIETRO CIANCAGLINI;

Universidade de São Paulo;

**IP09 - EFFECT OF PHARMACOLOGICAL INHIBITION OF SREBP TRANSCRIPTIONAL ACTIVITY ON SARS-COV-2 REPLICATION AND INFLAMMATORY MEDIATOR PRODUCTION IN CALU-3 CELLS**

VINICIUS CARDOSO SOARES2; ISABELA BATISTA GONÇALVES MOREIRA2; SUELEN DA SILVA GOMES DIAS1; JULIA DA CUNHA SANTOS1; THIAGO MORENO LOPES SOUZA1; PATRICIA TORRES BOZZA1;

1. FIOCRUZ; 2. UFRJ;

MARCEL SILVA DE MELO; FERNANDO QUEIROZ CUNHA; JOSÉ CARLOS ALVES FILHO;

Department of Pharmacology, Ribeirão Preto Medical School, University of São Paulo-SP, Brazil;

**IR03 - ACETATE INCREASES THE FREQUENCY OF REGULATORY T CELLS AND AMELIORATES THE TYPE 1 DIABETES IN EXPERIMENTAL MODEL**

ÍTALO SOUSA PEREIRA; JEFFERSON ELIAS OLIVEIRA; VANESSA FERNANDES RODRIGUES; JHEFERSON BARBOSA GUIMARÃES; MELISSA SANTANA GONSALEZ MACHADO; DANIELA CARLOS; Faculdade de Medicina de Ribeirão Preto;

**IR04 - ADENOSINE DERIVED FROM EXPANDED CD39-EXPRESSING PLASMA BLASTS PROMOTES DYSREGULATION OF IMMUNE RESPONSES AFTER SEPSIS**

DANIELE CARVALHO NASCIMENTO3; PAULA R. VIACAVA3; RAPHAEL G. FERREIRA3; MARINA A. DAMACENO3; ANNIE R. PIÑEROS3; PAULO H. MELO3; PAULA B. DONATE3; JULIANA E. TOLLER-KAWAHISA3; DANIEL ZOPPI3; FLÁVIO P. VERAS3; RAPHAEL S. PERES3; LUÍSA MENEZES-SILVA2; DIEGO CAETITÉ3; ANTONIO E R OLIVEIRAS3; ÍCARO M S DE CASTROS3; GILLES KAUFFENSTEIN6; HELDER I NAKAYAS3; MARCOS C. BORGES3; DARIO S. ZAMBONI3; DENISE M. DA FONSECA2; JONAS A. R. PASCHOAL4; THIAGO M. CUNHA3; VALERIE QUESNIAUX1; JOEL LINDEN7; FERNANDO Q. CUNHA3; BERNHARD RYFFEL1; JOSÉ C. ALVES-FILHO3;

1. CNRS, Orleans, France; 2. Institute of Biomedical Sciences, University of São Paulo, Brazil; 3. Ribeirão Preto Medical School, University of São Paulo, Brazil; 4. School of Pharmaceutical Sciences of Ribeirão Preto, University of São Paulo, Brazil; 5. School of Pharmaceutical Sciences, University of São Paulo, Brazil; 6. University of Strasbourg, France; 7. University of Virginia School of Medicine, USA;

**IR05 - AKKERMANSIA MUCINIPHILA PROMOTES THE DENDRITIC CELL CD103+ DIFFERENTIATION, REGULATORY T LYMPHOCYTE INDUCTION AND AMELIORATES THE TYPE 1 DIABETES IN MURINE MODEL**

VANESSA FERNANDES RODRIGUES; JEFFERSON ELIAS-OLIVEIRA; ÍTALO SOUSA PEREIRA; JÉSSICA ASSIS PEREIRA; SARA CÂNDIDA BARBOSA; MELISSA SANTANA GONSALEZ MACHADO; DANIELA CARLOS;

Faculdade de Medicina de Ribeirão Preto - USP;

**IR06 - ANALYSIS ON THE ROLE OF THYMIC B CELLS IN AGED MICE: EXPLORATORY STUDIES OF TRANSCRIPTOMIC DATA**

VINICIUS COTTA DE ALMEIDAS; MAYARA MENEZES DA SILVA3; JOAO RAMALHO ORTIGAO FARIAS2; FABRICIO MONTALVÃO FERREIRA6; ALLAN CEZAR DE AZEVEDO MARTINS4; ARNON DIAS JURBERG1;

1. IDOMED/Estácio de Sá University; UFRJ; 2. INCA; 3. Laboratório de Pesquisas sobre o Timo/IOC/Fiocruz; 4. UFRJ; 5. UNESA; Laboratório de Pesquisas sobre o Timo/IOC/Fiocruz; 6. Unesa;

## IMMUNOREGULATION (IR)

**IR01 - A BIOINFORMATIC APPROACH TO DISCOVER GUT MICROBIOTA GENE PRODUCTS RESPONSIBLE FOR INDUCING ROR(γT)+ TREG CELLS**

VICTOR FALVENO MARTINS2; CHRISTIAN HOFFMANN1;

1. Food Research Center, Dept of Food Science and Experimental Nutrition, School of Pharmaceutical Sciences, University of São Paulo; 2. Graduate Program in Bioinformatics, University of São Paulo;

**IR02 - AZAR SIGNALING IN TREG CELLS IS CRITICAL FOR MAINTAINING IMMUNE HOMEOSTASIS AND THEIR SUPPRESSIVE FUNCTION**

DANIELE CARVALHO NASCIMENTO; MARCOS HENRIQUE ROSA; LUIS EDUARDO DAMASCENO; JULIANA ESCHER TOLLER-KAWAHISA; DIEGO CAETITÉ; TIMNA VARELA MARTINS; BRUNO



**IR07 - ANDROGEN HORMONES MODULATE LUNG CELLS INFECTION BY SARS-COV-2**

FIRMINO MARTINS<sup>3</sup>; MURILLO DUARTE SILVA<sup>2</sup>; CRISTINA RIBEIRO DE BARROS CARDOSO<sup>1</sup>;

1. FCFRP/USP; 2. FMRP/USP; 3. Faculdade de Ciências Farmacêutica de Ribeirão Preto - USP;

**IR08 - ARYL HYDROCARBON RECEPTOR IS NECESSARY TO RESTRAIN TISSUE MACROPHAGE INFLAMMATORY TONUS AND SYSTEMIC GLUCOSE HOMEOSTASIS DURING OBESITY**

BIANCA GAZIERI CASTELUCCI<sup>1</sup>; GISELE DE CASTRO<sup>2</sup>; JOÃO VICTOR VIRGILIO DA SILVA<sup>2</sup>; GUSTAVO GASTÃO DAVANZO<sup>1</sup>; GUILHERME RIBEIRO<sup>1</sup>; LARISSA MENEZES DOS REIS<sup>1</sup>; MARCELO RODRIGUES BERÇOT<sup>2</sup>; HELDER TAKASHI IMOTO NAKAYA<sup>2</sup>; SÍLVIO ROBERTO CONSONNI<sup>1</sup>; PEDRO MANOEL MENDES DE MORAES-VIEIRA<sup>1</sup>;

1. UNICAMP; 2. USP;

**IR09 - CHARACTERIZATION OF LYMPHOCYTE METABOLIC PROFILE IN OBESE INDIVIDUALS**

MARIA JANAINA LEITE DE ARAÚJO<sup>1</sup>; VINÍCIUS LEONARDO SOUSA DINIZ<sup>1</sup>; DIEGO RIBEIRO DE SOUZA<sup>1</sup>; ANA CAROLINA GOMES PEREIRA<sup>1</sup>; GILSON MASAHIRO MURATA<sup>2</sup>; MARIA ELIZABETH PEREIRA PASSOS<sup>1</sup>; LAUREANE NUNES MASI<sup>1</sup>; SANDRO MASSAO HIRABARA<sup>1</sup>; TÂNIA CRISTINA PITHON-CURI<sup>1</sup>; RUI CURI<sup>1</sup>; RENATA GORJÃO<sup>1</sup>;

1. UNICSUL - Universidade Cruzeiro do Sul; 2. USP - UNIVERSIDADE DE SÃO PAULO;

**IR10 - CO-TREATMENT WITH AMIDO-COUMARIN PROTECTS AGAINST BREATHING AND NEURO DAMAGE DURING SEVERE EXPERIMENTAL MALARIA**

PAULO GAIO LEITE<sup>1</sup>; ALLYSSON CRAMER<sup>1</sup>; SAMUEL PORTO<sup>1</sup>; NATÁLIA FERNANDA DE MELO OLIVEIRA<sup>1</sup>; LUCAS KRAMER ROCHA<sup>1</sup>; LAURA LIS DE OLIVEIRA SANTOS<sup>1</sup>; FERNANDO BENTO RODRIGUES OLIVEIRA<sup>1</sup>; CÉSAR LUÍS NASCIMENTO BARBOSA<sup>1</sup>; LÍVIA FERNANDA DIAS SANTANA<sup>1</sup>; FERNANDA TEIXEIRA BRAGA GOMES<sup>1</sup>; MARIA CLARA DA SILVA BASTOS<sup>1</sup>; RAYANE APARECIDA NONATO RABELO<sup>1</sup>; RAFAELA DAS DORES PEREIRA<sup>1</sup>; MAURO MARTINS TEIXEIRA<sup>1</sup>; REMO CASTRO RUSSO<sup>1</sup>; MARIA JOÃO MATOS<sup>2</sup>; FABIANA SIMÃO MACHADO<sup>1</sup>;

1. Universidade Federal de Minas Gerais; 2. Universidade de Santiago de Compostela, Spain;

**IR11 - CROSSTALK BETWEEN MICROBIOTA AND HISTONES MODIFICATION IN THE HEALTHY GUT**

DIEGGO RODRIGUES DE PAULA<sup>1</sup>; MARCO AURELIO RAMIREZ VINOLO<sup>1</sup>; PATRICK DANIEL VARGA-WEISZ<sup>2</sup>;

1. Universidade Estadual de Campinas; 2. University of Essex;

**IR12 - DANGEROUS LIAISONS: CO-HOUSING WITH MIF-/- MICE TRIGGERS EARLY AND SEVERE COLITIS IN IL10-/- MICE**

VINICIUS MENDES VIDAL<sup>4</sup>; LETICIA MARTIMIANO FERREIRA<sup>4</sup>; BAHTIYAR YILMAZ<sup>5</sup>; ANDREZA MOREIRA DOS SANTOS GAMA<sup>4</sup>; ELENA MONTES COBOS<sup>4</sup>; JAMIL ZOLA KITOKO<sup>1</sup>; JOSÉ NAZIOBERTO DUDA DE FARIAS<sup>4</sup>; VARSHA RAGHAVAN<sup>2</sup>; DAN LITTMAN<sup>2</sup>; HEITOR SIFFERT PEREIRA DE SOUZA<sup>4</sup>; FÁBIO BARROZO CANTO<sup>3</sup>; MARCELO TORRES BOZZA<sup>4</sup>;

1. Instituto Gulbenkian de Ciência; 2. New York University School of Medicine; 3. Universidade Federal Fluminense; 4. Universidade Federal do Rio de Janeiro; 5. University of Bern;

**IR13 - DIFFERENTIAL HISTONE MODIFICATIONS IN IMMUNE RESPONSE-RELATED GENES PROMOTERS IN PERIPHERAL BLOOD MONONUCLEAR CELLS OF SEPTIC PATIENTS WITH DIFFERENT CLINICAL OUTCOMES**

RENATA DE BRITO FALCÃO HOLANDA<sup>1</sup>; MILENA KARINA COLO BRUNIALTI<sup>1</sup>; MIRIAM GALVONAS JASIULIONIS<sup>1</sup>; REINALDO SALOMÃO<sup>1</sup>;

Universidade Federal de São Paulo;

**IR14 - DIFFERENTIAL IMPACT OF B CELL DEFICIENCY ON THE PERIPHERAL HOMEOSTASIS OF CD4+FOXP3+ REGULATORY T CELLS IN MESENTERIC LYMPH NODES AND EXTRA-INTESTINAL SECONDARY LYMPHOID ORGANS**

ISABELLA NOGUEIRA DA SILVA ALVES<sup>1</sup>; CAROLINE DA SILVA RODRIGUES<sup>1</sup>; TAMYRES SOUZA GARCIA ALVIM RANZATO<sup>1</sup>; MARIA BELLIO<sup>2</sup>; ALBERTO NÓBREGA<sup>2</sup>; FÁBIO BARROZO DO CANTO<sup>1</sup>;

1. Universidade Federal Fluminense, UFF; 2. Universidade Federal do Rio de Janeiro, UFRJ;

**IR15 - EFFECT OF GUT DYSBIOSIS ON EPIGENETIC MODULATION OF NEUTROPHILS**

BRUNA TOLEDO NUNES PEREIRA<sup>1</sup>; GLAUCIA SOUZA DE ALMEIDA<sup>1</sup>; MARCO AURÉLIO RAMIREZ VINOLO<sup>1</sup>;

UNICAMP;

**IR16 - EFFECTS OF CHILD UNDERNUTRITION AND ITS TREATMENT WITH COTRIMOXAZOLE IN THE INTESTINAL MICROBIOTA AND IMMUNE SYSTEM IN MICE MODEL**

LUCAS DE FIGUEIREDO SOVERAL<sup>2</sup>; LÍVIA BUDZIAREK ESLABÃO<sup>2</sup>; GABRIELA FARIAS GUBERT<sup>2</sup>; ISIS MAIA APOLINÁRIO DE MELLO<sup>2</sup>; LUCAS BELTRAME<sup>2</sup>; EDUARDO LANI VOLPE DA SILVEIRA<sup>3</sup>; OSCAR BRUNA-ROMERO<sup>2</sup>; CARLOS R. ZÁRATE-BLADÉS<sup>1</sup>;

1. Universidade Federal De Santa Catarina; 2. Universidade Federal de Santa Catarina; 3. Universidade de São Paulo;

## INNATE IMMUNITY (IN)

### IN01 - **A NOVEL INSIGHT ON SARS-COV-2 S-DERIVED FRAGMENTS IN THE CONTROL OF THE HOST IMMUNITY**

THAIS SIBIONI BERTI BASTOS<sup>16</sup>; BIANCA H. VENTURA FERNANDES<sup>20</sup>; PAULO R.S. SANCHES<sup>13</sup>; HELYSON LUCAS BEZERRA BRAZ<sup>4</sup>; ROBERTA JEANE BEZERRA JORGE<sup>4</sup>; GUILHERME MALAFAIA<sup>7</sup>; GIOVANNA GUIDELLI<sup>9</sup>; CARLA MANEIRA<sup>9</sup>; FELLIPE DA SILVEIRA BEZERRA DE MELLO<sup>9</sup>; GLEIDSON TEIXEIRA<sup>9</sup>; GONÇALO AMARANTE GUIMARÃES PEREIRA<sup>9</sup>; EDUARDO M. CILLI<sup>14</sup>; ROGER CHAMMAS<sup>21</sup>; LUCIANI R. CARVALHO<sup>3</sup>; LETÍCIA V. COSTA-LOTUFO<sup>10</sup>; IVES CHARLIE-SILVA<sup>10</sup>; TÁRCIO TEODORO BRAGA<sup>15</sup>; ANDRÉ GUILHERME PORTELA DE PAULA<sup>15</sup>; REBECA BOSSO LUZ<sup>15</sup>; ANALI M.B. GARNIQUE<sup>19</sup>; GLAUCIA M. MACHADO-SANTELLI<sup>19</sup>; MARCO A.A. BELO<sup>1</sup>; SILAS FERNANDES ETO<sup>5</sup>; DAYANNE CARLA FERNANDES<sup>2</sup>; FAUSTO K. FERRARIS<sup>12</sup>; LETICIA GOMES DE PONTES<sup>8</sup>; TÁBATA TAKAHASHI FRANÇA<sup>17</sup>; LEONARDO J. G. BARCELLOS<sup>6</sup>; PAMELA BERMEJO<sup>9</sup>; JORGE GALINDO-VILLEGAS<sup>11</sup>; FLAVIO P. VERAS<sup>18</sup>;

1. Brasil University; 2. Butantan Institute; 3. Department of Internal Medicine and Hormone and Molecular Genetics Laboratory; 4. Federal University of Ceara; 5. Federal University of Roraima; 6. Federal University of Santa Maria; 7. Goiano Federal Institute; 8. Institute Biomedical Sciences; 9. Institute of Biology - Unicamp; 10. Institute of Biomedical Sciences, Universidade de São Paulo; 11. Nord University; 12. Oswaldo Cruz Foundation, FIOCRUZ; 13. Paulista State University; 14. São Paulo State University (UNESP); 15. UFPR; 16. Universidade Federal do Paraná; 17. University São Paulo; 18. University of Sao Paulo; 19. University of São Paulo; 20. University of São Paulo Medical School; 21. University of São Paulo School of Medicine;

### IN02 - **ACTIVATION PATHWAYS OF MURINE MACROPHAGES BY LIPOPHOSPHOGLYCAN FROM STRAINS OF LEISHMANIAMAJOR (FV1 AND LV39)**

VANESSA MANÇUR SANTOS<sup>2</sup>; ASTRID MADELEINE CALERO GOICOCHEA<sup>2</sup>; JÉSSICA REBOUÇAS SILVA<sup>2</sup>; FLÁVIO HENRIQUE DE JESUS SANTOS<sup>2</sup>; CLÁUDIA IDA BRODSKY<sup>1</sup>; VALÉRIA DE MATOS BORGES<sup>1</sup>; RODRIGO PEDRO PINTO SOARES<sup>3</sup>; JONILSON BERLINK LIMA<sup>4</sup>;

1. Instituto Gonçalo Moniz/FIOCRUZ-BA; 2. Instituto Gonçalo Moniz/FIOCRUZ/UFBA; 3. Instituto René Rachou/FIOCRUZ-MG; 4. UFOB;

### IN03 - **AHR IS IMPORTANT TO SUSTAIN IFN- $\gamma$ -INDUCED MACROPHAGE INFLAMMATORY PROFILE AGAINST LEISHMANIA (L) AMAZONENSIS**

ANA JULIA E. MARTINS<sup>1</sup>; JEFFERSON A. C. DOS SANTOS<sup>1</sup>; GUILHERME RIBEIRO<sup>1</sup>; WEBSTER LEONARDO G. DA COSTA<sup>1</sup>; LINCON F. L. SILVA<sup>2</sup>; WILIAS G. S. SANTOS<sup>1</sup>; JULIANA E. L. PINTO<sup>2</sup>; BIANCA G. C. BATAGLIOLI<sup>1</sup>; PEDRO M. MORAES-VIEIRA<sup>1</sup>;

1. Laboratory of Immunometabolism. Institute of Biology, University of Campinas; 2. University of São Paulo (USP), Institute of Biomedical Science, Immunology Department;

### IN04 - **BCG-TRAINED MACROPHAGES ELICIT A PROTECTIVE INFLAMMATORY RESPONSE AGAINST THE PATHOGENIC BACTERIA BRUCELLA ABORTUS**

ANA CAROLINA VALENTE SANTOS CRUZ DE ARAUJO; NINA MARÍ GUAL DE QUEIROZ; ERIKA SOUZA GUIMARÃES; FÁBIO ANTÔNIO VITARELLI MARINHO (CO-SENIOR AUTHOR); SERGIO COSTA OLIVEIRA (CO-SENIOR AUTHOR);  
Universidade Federal de Minas Gerais;

### IN05 - **CASP4/11 IS ACTIVATED IN RESPONSE TO SARS-COV-2 AND CONTRIBUTES TO PULMONARY INFLAMMATION AND DISEASE EXACERBATION IN COVID-19**

TAMARA SILVA RODRIGUES; CAMILA DA SILVA CAETANO; KEYLA SANTOS GUEDES DE SÁ; AMANDA BECERRA; LETÍCIA ALMEIDA; DANIELLE PINI ALVES MASCARENHAS; LETÍCIA LOPES; BRUNA MANUELLA SILVA; RICARDO CASTRO; RONALDO BRAGANÇA MARTINS JUNIOR; SABRINA S BATAH; SAMUEL DOS SANTOS OLIVEIRA; GIOVANNI F. GOMES; THIAGO M. CUNHA; DARIO SIMÕES ZAMBONI;  
USP;

### IN06 - **CHRONIC INGESTION OF PRIMEX-Z, COMPARED WITH OTHER COMMON FAT SOURCES, DRIVES WORSE LIVER INJURY AND ENHANCED SUSCEPTIBILITY TO BACTERIAL INFECTIONS**

MAÍSA MOTA ANTUNES<sup>2</sup>; GABRIEL ALVIM MACHADO MENDES<sup>2</sup>; WANDERSON FERREIRA DA SILVA JÚNIOR<sup>2</sup>; CRISTINA MARIA PINTO DE PAULA<sup>2</sup>; SRIDHAR RADHAKRISHNAN<sup>1</sup>; GUSTAVO BATISTA MENEZES<sup>2</sup>;  
1. Research Diets; 2. UFMG;

### IN07 - **CONSEQUENCES OF METABOLIC PROGRAMMING BY LITTER SIZE REDUCTION TO GOBLET CELLS IN THE ILEUM BALB/C MICE**

CÍNTHIA AKEMI TANOSHI; ERICK LINCOLN CARNEIRO; AMANDA GUBERT ALVES DOS SANTOS; MARIA GABRIELA LIMA DA SILVA; KESIA GEMIMA PALMA RIGO WUTZOW; PAULO CEZAR DE FREITAS MATHIAS; DEBORA DE MELLO GONÇALES SANT'ANA; JEANE ELIETE LAGUILA VISENTAINER; GESSILDA DE ALCANTARA NOGUEIRA-MELO;  
Universidade Estadual de Maringá;

### IN08 - **DC-SIGN MOLECULE (CD209) OF HUMAN DENDRITIC CELLS IN RECOGNITION AND DEVELOPMENT OF LEISHMANIA INFECTION IN VITRO**

LUCAS FERREIRA CAXANGÁ RODRIGUES; GIULIA SILVA LOPES; ELANE PRISCILA MACIEL; LÍVIA RIBEIRO MENDONÇA; MARIA CLARA MARTINS; SARAH DE ATHAYDE COUTO FALCÃO; CECÍLIA BEATRIZ FIUZA FAVALI;  
LABORATORY OF CELLULAR IMMUNOLOGY, BIOLOGY INSTITUTE, UNIVERSITY OF BRASÍLIA (UnB), FEDERAL DISTRICT, BRAZIL;



**IN09 - DNA AND HISTONES ARE INVOLVED IN THE INTERACTION OF HRV WITH NETS IN A NONSPECIFIC MANNER**

RONALDO SILVA ALVES JUNIOR; LEONARDO DA SILVA PINTO; KARINA ALVES TOLEDO; UNESP Assis;

**IN10 - DRP1 IS NECESSARY FOR MACROPHAGE METABOLIC ADAPTATION AND PHENOTYPE DURING COLD**

MARCELO RODRIGUES BERÇOT; JOÃO VICTOR VIRGILIO DA SILVA; LARISSA MENEZES DOS REIS; BIANCA GAZIERI CASTELUCCI BATAGLIOLI; GUSTAVO GASTÃO DAVANZO; GUILHERME RIBEIRO DA SILVA; HENVER SIMIONATO BRUNETTA; MARCELO ALVES DA SILVA MORI; PEDRO MANOEL MENDES DE MORAES VIEIRA; UNICAMP;

**IN11 - EFFECTS OF METABOLIC SYNDROME INDUCED BY LITTER SIZE REDUCTION ON IMMUNE AND GOBLET CELLS IN THE JEJUNUM OF BALB/C MICE**

ERICK LINCOLN CARNEIRO; AMANDA GUBERT ALVES DOS SANTOS; CAROLINA NAOKO ABE KANO; LARISSA LEIKO YAMADA; CÍNTIA AKEMI TANOSHI; KESIA GEMIMA PALMA RIGO WUTZOW; PAULO CEZAR DE FREITAS MATHIAS; DÉBORA DE MELLO GONÇALES SANT'ANA; GESSILDA ALCÂNTARA NOGUEIRA-MELO; Universidade Estadual de Maringá;

**IN12 - EVALUATION OF THE ANTI-INFLAMMATORY POTENTIAL OF EXTRACTS FROM THE LEAVES OF MICONIA ALBICANS (CANELA-DE-VELHO)**

MARIA CLARA MACHADO RESENDE GUEDES; MARIANA BOLOTARI; LUANA CERQUEIRA ESTEVES; ARI SÉRGIO DE OLIVEIRA LEMOS; RODRIGO LUIZ FABRI; GILSON COSTA MACEDO; Universidade Federal de Juiz de Fora;

**IN13 - EVALUATION OF THE PARTICIPATION OF MACROPHAGES IN THE DEVELOPMENT OF FIBROSIS AND REGENERATION IN CARDIAC CRYOINJURY MODEL IN ZEBRAFISH**

REBECA BOSSO DOS SANTOS LUZ1; LAURA HELENA CHEREN NETTO NICOLAZZI1; ANDRÉ GUILHERME PORTELA DE PAULA1; LAIS CAVALIERI PAREDES2; FERNANDO AUGUSTO LAVEZZO DIAS1; MARITANA MELA PRODOCIMO1; RILTON ALVES DE FREITAS1; TÁRCIO TEODORO BRAGA1; 1. UFPR; 2. USP;

**IN14 - EVALUATION OF THE ROLE OF RUBICON IN THE REGULATION OF MACROPHAGE METABOLISM**

DOUGLAS DOS SANTOS; UNIVERSIDADE DE SÃO PAULO;

IN15 - EXTRACTS FROM THE ROOTS OF LONCHOCARPUS CULTRATUS DECREASES THE SECRETION OF PRO-INFLAMMATORY MEDIATORS FROM RAW 264.7 MACROPHAGES.

LUCAS BONATTO DE SOUZA LIMA; CAMILLA ZOTTESO PELLON FERREIRA; JULIANA JURUMENHA BARRETO; RAFAEL ANDRADE MENOLLI; THAIS SOPRANI AYALA; Unioeste;

**MOLECULAR IMMUNOLOGY (MI)****MI01 - A BRIEF ANALYSIS ABOUT GUT MICROBIOME DIVERSITY IN ASTHMATICS**

BIANCA SAMPAIO DOTTO FIUZA7; CANDACE MACHADO DE ANDRADE7; JORLEY SANTOS DA SILVA7; MILCA DE JESUS SILVA7; CINTHIA VILA NOVA SANTANA5; GABRIELA PIMENTEL5; COLLIN BROOKS4; LUCY PEMBREY2; JEROEN DOUWES4; HARRIET MPAIRWE3; PHILIP COOPER6; ÁLVARO A. CRUZ5; MAURICIO L. BARRETO1; NEIL PEARCE2; PEDRO MILET MEIRELLES7; CAMILA ALEXANDRINA FIGUEIREDO7;

1. Fiocruz; 2. London School of Hygiene and Tropical Medicine; 3. MRC/UVRI and LSHTM Uganda Research Unit; 4. Massey University; 5. ProAR; 6. St George's University of London; 7. Universidade Federal da Bahia;

**MI02 - CASPASE-1 IMPAIRS THE MICROBICIDAL CAPACITY OF MICROGLIA IN RESPONSE TO ZIKA VIRUS INFECTION BY INHIBITING IFN- $\gamma$  SECRETION.**

INGRID SANCHO DE FARIAS3; ISAU HENRIQUE NORONHA2; MARCELO PIRES AMARAL2; ALINE PACHECO DE OLIVEIRA LIMA3; RAFAELA ROSA-RIBEIRO1; RICARDO WEINLICH1; KARINA RAMALHO BOTOLUCI2;

1. Instituto Israelita de Ensino e Pesquisa Albert Einstein.; 2. UNIFESP; 3. USP;

**MI03 - COMPUTATIONAL MODELING AND HETEROLOGOUS EXPRESSION OF NANOBODIES AS POTENTIAL VLA-4 INHIBITORS**

JOÃO HERMINIO MARTINS DA SILVA2; FRANCISCA YARA SILVA LIMA3; BEATRIZ CHAVES2; CARLA FREIRE CELEDÔNIO FERNANDES2; BRUNI MAIA2; WILSON SAVINO1; DISRAELI CAVALCANTE VASCONCELOS2;

1. FIOCRUZ; 2. FIOCRUZ Ceará; 3. FIOCRUZ Ceará/UFC;

**MI04 - CONNECTION OF IMMUNOMETABOLIC AND MOLECULAR MARKERS (SERUM LEVELS OF CD5L AND THE MIR-33 CLUSTER) WITH SDDLDC PHENOTYPES IN SEDENTARY SUBJECTS WITH CARDIOVASCULAR DISEASE RISK**

JACQUELINE-ALEJANDRA; PERLA-MONSERRAT; BLANCA-ESTELA; ROSA-ELENA;

Universidad de Guadalajara;

**MI05 - CONTROL OF CD8 T CELL EXHAUSTION BY THE POLYCOMB MEMBER EZH2**

THAÍS DE OLIVEIRA PASSOS<sup>3</sup>; GABRIELLE BRUM LOPES DA SILVA<sup>3</sup>; GUILHERME AFONSO MELO<sup>3</sup>; CAROLINA CALÔBA OLIVEIRA DE MATTOS CRUZ<sup>3</sup>; MOISÉS AGUIAR NEVES NETO<sup>3</sup>; MIRIAM BIANCHI DE FRONTIN WERNECK<sup>2</sup>; ULISSES GAZOS LOPES<sup>2</sup>; GUSTAVO MARTINEZ<sup>1</sup>; RENATA DE MEIRELLES SANTOS PEREIRA<sup>3</sup>;

1. Center for Cancer Cell Biology, Immunology and Infection, Rosalind Franklin University of Medicine and Science; 2. Instituto de Biofísica Carlos Chagas Filho (IBCCF), Universidade Federal do Rio de Janeiro (UFRJ); 3. Instituto de Microbiologia Paulo de Góes (IMPG), Universidade Federal do Rio de Janeiro (UFRJ);

**MI06 - DIFFERENTIAL GENE EXPRESSION OF RECEPTORS OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM FROM PATIENTS WITH SEVERE COVID-19 D**

THAIS FREITAS BARRETO FERNANDES<sup>1</sup>; PRISCILA ALVES CEZAR<sup>1</sup>; KARINE VENEGAS MACIEIRA<sup>1</sup>; MILENA NEIRA-GOULART<sup>1</sup>; AGATHA FREIXINHO NEVES<sup>1</sup>; ANDRESSA DA SILVA CAZOTE<sup>1</sup>; SYLVIA LOPES MAIA TEIXEIRA<sup>1</sup>; NATHALIA BEATRIZ RAMOS DE SÁ<sup>1</sup>; CARMEM BEATRIZ WAGNER GIACIOIA-GRIPP<sup>1</sup>; FERNANDA HELOISE CÔRTEZ<sup>1</sup>; MARIZA GONÇALVES MORGADO<sup>1</sup>; KIM MATTOS GERALDO<sup>2</sup>; MARIA PIA DINIZ RIBEIRO<sup>2</sup>; BEATRIZ GRINSZTEJN<sup>2</sup>; SANDRA WAGNER CARDOSO<sup>2</sup>; VALDILÉIA GONÇALVES VELOSO DOS SANTOS<sup>2</sup>; DALZIZA VICTALINA DE ALMEIDA<sup>1</sup>; JOSÉ HENRIQUE PILOTTO<sup>1</sup>;

1. Laboratory of AIDS & Molecular Immunology, Oswaldo Cruz Institute, FIOCRUZ, Rio de Janeiro, Brazil.; 2. Laboratory of Clinical Research on STD/AIDS, National Institute of Infectology Evandro Chagas, FIOCRUZ, Rio de Janeiro, Brazil.;

**MI07 - EXPRESSION AND CHARACTERIZATION OF ANTIBODY FRAGMENTS AGAINST SARS-COV-2 FUSION PEPTIDE**

LUCAS SILVA RODRIGUES; RENATO KAYLAN ALVES DE OLIVEIRA FRANÇA; MARCELO MACEDO BRIGIDO; ANDRÉA QUEIROZ MARANHÃO;

University of Brasilia;

**MI08 - EXPRESSION OF AN ANTIGENIC EFFLUX PUMP PROTEIN FROM E. COLI ASSOCIATED WITH ANTIMICROBIAL RESISTANCE, FOR THE DISCOVERY OF POTENT ANTIBODIES**

CAROLINE ALBUQUERQUE ROTILHO DOS SANTOS<sup>2</sup>; BIA FRANCIS RAJSFUS<sup>1</sup>; DIEGO ALLONSO<sup>1</sup>; PRISCILLA CHRISTINA OLSEN<sup>2</sup>;

1. Biotecfar/Federal University of Rio de Janeiro - UFRJ, Faculty of Pharmacy; 2. DACT/Federal University of Rio de Janeiro - UFRJ, Faculty of Pharmacy;

**MI09 - GENETIC PANEL GENERATED BY MACHINE LEARNING PREDICTS RISK OF SEVERE EXACERBATION IN REGULARLY TREATED SEVERE ASTHMA PATIENTS**

MARIA BORGES RABÊLO DE SANTANA<sup>2</sup>; ÁLVARO AUGUSTO CRUZ<sup>1</sup>; LUCIANO GOMES DA SILVA GOMES<sup>2</sup>; HELENA MARIANA PITANGUEIRA TEIXEIRA<sup>2</sup>; CAMILA ALEXANDRINA VIANA FIGUEIREDO<sup>2</sup>; RYAN DOS SANTOS COSTA<sup>2</sup>;

1. Fundação ProAR and Universidade Federal da Bahia; 2. Universidade Federal da Bahia;

## TRANSPLANTATION AND IMMUNOGENETICS (TR)

**TR01 - ASSOCIATION BETWEEN VARIANTS IN THE GENES OF METALLOPROTEINASES 1, 8, 9 AND PERIODONTITIS**

PATRICIA MARES DE MIRANDA<sup>1</sup>; REBECA PEREIRA BULHOSA SANTOS<sup>1</sup>; MÁRCIA OTTO BARRIENTOS<sup>1</sup>; TATIANE DE OLIVEIRA TEIXEIRA MUNIZ CARLETTI<sup>1</sup>; ISAAC SUZART GOMES FILHO<sup>2</sup>; MICHELLE MIRANDA LOPES FALCÃO<sup>2</sup>; SORAYA CASTRO TRINDADE<sup>3</sup>;

1. PPGIm/UFBA; 2. UEFS; 3. UEFS/UFBA;

**TR02 - ASSOCIATION OF THE -308 G>A POLYMORPHISM OF TNF GENE WITH SEVERE COVID-19**

MATHEUS BRAGA<sup>2</sup>; AMANDA BERTON PERATELLI<sup>3</sup>; LETICIA CRISTINA DE ALMEIDA SILVA<sup>3</sup>; ALÉIA HARUMI UCHIBABA YAMANAKA<sup>3</sup>; VICTOR HUGO SOUZA<sup>3</sup>; PEDRO LUIS CÂNDIDO DE SOUZA CASSELA<sup>1</sup>; GUILHERME LERNER TRIGO<sup>1</sup>; LIVIA PADOVAM LONI<sup>1</sup>; KAUE DE MORAIS CARDOSO<sup>1</sup>; ANDRÉA NAME COLADO SIMÃO<sup>1</sup>; JOANA MAIRA VALENTINI ZACARIAS<sup>3</sup>; JEANE ELIETE LAGUILA VISENTAINER<sup>3</sup>;

1. Universidade Estadual de Londrina (UEL); 2. Universidade Estadual de Maringá; 3. Universidade Estadual de Maringá (UEM);

**TR03 - ASSOCIATION STUDY OF VARIANTS IN THE LEP AND RETN GENES WITH ASTHMA SEVERITY AND EXACERBATION IN OBESE INDIVIDUALS**

RAÍSA SANTOS COELHO; CARLA CATARINE SANTOS RODRIGUES; ANA PAULA CASTRO MELO; HELENA MARIANA PITANGUEIRA TEIXEIRA; LOUISE CORREIA DE LIMA; MARIA BORGES RABÊLO DE SANTANA; GUSTAVO NUNES DE OLIVEIRA COSTA; ADELMIR DE SOUZA MACHADO; ALVARO AUGUSTO SOUZA DA CRUZ FILHO; CAMILA ALEXANDRINA VIANA DE FIGUEIREDO; RYAN DOS SANTOS COSTA;

Universidade Federal da Bahia;

**TR04 - BONE MARROW TRANSPLANTATION MODULATES LYMPHOCYTE GENE EXPRESSION IN SPONTANEOUS LEAN TYPE 2 DIABETIC GOTO-KAKIZAKI**

ILANA SOUZA CORREA; JOÃO CARLOS; JANAINA PAUFERRO; TIAGO BERTOLA; CAMILA S. DOS SANTOS; ANA CAROLINA GOMES PEREIRA; MARIA ELIZABETH; AMANDA ALECRIM; VINICIUS LEONARDO; ELVIRAH SAMANTHA; MARIA JANAINA LEITE; RUI CURTI; LAUREANE MASI; RENATA GORJÃO;

Interdisciplinary Post-Graduate Program in Health Sciences, Cruzeiro do Sul University;

**TRO5 - EVALUATION OF CELLULAR REPAIR OF DECELLULARIZED ZEBRAFISH HEART USING STEM CELLS: INVOLVEMENT OF PRO-REGENERATIVE MACROPHAGES**

ANDRÉ GUILHERME PORTELA DE PAULA2; THAIS SIBIONI BERTI BASTOS2; JORDANA DINORA DE LIMA2; LAIS CAVALIERI PAREDES3; REBECA BOSSO DOS SANTOS LUZ2; MARITANA MELA PRODOCIMO2; ANNY WALOSKI ROBERT1; TÁRCIO TEODORO BRAGA2;

1. FIOCRUZ; 2. Universidade Federal do Paraná; 3. Universidade de São Paulo;

**TRO6 - IMMUNOSUPPRESSIVE POTENTIAL OF CELL THERAPY WITH ALLOGENIC REGULATORY T CELLS AND SYGENEICS IN MURINE SKIN TRANSPLANTATION**

MICHELE FARIA RAMOS; MARIANA SOUZA VIEIRA SALDANHA; MARCELA HELENA GONÇALVES PEREIRA OLIVEIRA; CAMILA QUEIROZ PEREIRA-GLAUSS; TERTULIANO ALVES PEREIRA NETO1; CAROLINE LEONEL VASCONCELOS DE CASTRO; WALISON SILVA NUNES; LEONARDO GOMES VAZ; HELTON DA COSTA SANTIAGO1; UFMG;

**TU04 - BASELINE ACTIVATED CELLULAR IMMUNE PROFILE RELATES TO RESPONSE TO NEOADJUVANT CHEMOTHERAPY IN TNBC PATIENTS.**

ANANDA DOMINGUES LOPES2; AMANDA BRAGA DE FIGUEIREDO3; GUILHERME FERREIRA DE BRITTO EVANGELISTA3; NAYANE ALVES DE LIMA GALDINO2; CLARA MACIEL CAVALCANTI3; SILVANA SOARES SANTOS1; RAFAEL CANFIELD BRIANESE1; SOLANGE MARIA TORCHA CARVALHO CASTRO1; FABIANA BARONI MAKDISSI1; DIRCE MARIA CARRARO1; KENNETH JOHN GOLLOB3; 1. AC Camargo Cancer Center; 2. AC Camargo Cancer Center | Hospital Israelita Albert Einstein; 3. Hospital Israelita Albert Einstein;

**TU05 - BLOCKING DRUG-INDUCED AUTOPHAGY WITH CHLOROQUINE IN HCT-116 COLON CANCER CELLS ENHANCES DC MATURATION AND T CELL RESPONSES INDUCED BY TUMOR CELL LYSATE.**

JOFER ANDREE ZAMAME RAMIREZ1; RAMON KANENO1; GRAZIELA GORETE ROMAGNOLI1; CAROLINA MENDONÇA GORGULHO1; JOÃO PESSOA ARAÚJO JUNIOR1; RODRIGO URESHINO2; 1. UNESP; 2. UNIFESP;

**TU06 - CSA IN THE PRESENCE OF IFNG DECREASES THE EXPRESSION OF IMMUNE CHECKPOINT CO-RECEPTORS IN NSCLC CELL LINES**

THAIS NASCIMENTO KIMMEMGS2; ANA CAROLINA COSTANTI DO NASCIMENTO2; LETÍCIA BORGES DA SILVA HEINEN2; JOSÉ LEONEL LEMOS BUZZO3; LOURDES ISAAC1; MARIANE TAMI AMANO2; 1. Instituto de Ciências Biomédicas da Universidade de São Paulo; 2. Instituto de Ensino e Pesquisa Hospital Sírio-Libanês; 3. Instituto de Química da Universidade de São Paulo;

**TU07 - CELL METABOLISM AND TUMORIGENESIS: ROLE OF GROWTH HORMONE AND MITOCHONDRIAL DYNAMICS IN AN EXPERIMENTAL ZEBRAFISH MODEL**  
JULIANA MOREIRA MENDONÇA GOMES2; MARIANA TOMINAGA PEREIRA2; CAMILA IDELÍMORALES FÉNERO1; LAIS CAVALIERI PAREDES2; MARIANA ABRANTES DO AMARAL1; LUAN FAVERO MONTES2; LUISA MENEZES SILVA2; LUÍS EDUARDO GONÇALVES2; JEFFERSON ANTÔNIO LEITE2; NIELS OLSEN SARAIVA CÂMARA2; 1. UNIFESP; 2. USP;

**TU08 - CHARACTERIZATION OF DIFFERENTIALLY EXPRESSED GENES IN MURINE BREAST CANCER CELL LINES**

CAROLINE DE SOUZA RODRIGUES; MARIANA VIEIRA AGOSTINHO PEREIRA; ROMULO GONCALVES GALVANI; ADRIANA CESAR BONOMO; Laboratorio de pesquisa sobre o Timo - IOC - Fiocruz;

## TUMOR IMMUNOLOGY (TU)

**TU01 - ACROCOMIA ACUELATA (JACQ.) LODD. EX MART. INCORPORATED IN NANOPARTICLES DEMONSTRATE POTENTIAL ANTITUMOR ACTIVITY IN BREAST CANCER CELLS**

DAVI TROMBINI ALEIXO2; ANA CRISTINA MOURA GUALBERTO1; ANA BEATRIZ CARIBÉ DOS SANTOS VALLE1; JACY GAMEIRO1; FREDERICO PITTELLA SILVA1;

1. UFJF; 2. UNIVERSIDADE FEDERAL DE JUIZ DE FORA;

**TU02 - ANALYSING THE INFLUENCE OF INTERMITTENT FASTING AND CAFETERIA DIET ON BREAST CANCER PROGRESSION: THE ROLE OF ADIPOSE TISSUE**

GABRIEL PASQUARELLI DO NASCIMENTO2; HELOÍSA ANTONIELLA BRAZ DE MELLO2; GABRIEL RIBEIRO FARIAS2; IGOR DE OLIVEIRA SANTOS2; SABRINA AZEVEDO MACHADO2; LAURA COX1; RAFAEL MACHADO REZENDE1; KELLY GRACE MAGALHÃES2;

1. Harvard Medical School; 2. Universidade de Brasília;

**TU03 - ANTITUMOR POTENTIAL OF MOXIDECTIN IN BREAST CANCER CELL LINE**

ANA LUIZA DE ARAÚJO BUTARELLI; ANDRÉ ALVARES MARQUES VALE; SULAYNE JANAYNA ARAUJO GUIMARÃES; DANRLEY MORAES TEIXEIRA; LUIZ EDUARDO SILVA MARTINS; HIRAN REIS SOUSA; BIANCA LIMA DUARTE; ANA PAULA SILVA DE AZEVEDO DOS SANTOS;

Universidade Federal do Maranhão;



**TU09 - CO-CULTURE OF HUMAN TUMOR CELLS WITH ZEBRAFISH BLASTODERM CELLS: STUDY OF THE TUMOR MICROENVIRONMENT**

MARIANA TOMINAGA PEREIRA<sup>1</sup>; JULIANA MOREIRA MENDONÇA GOMES<sup>1</sup>; CAMILA IDELI MORALES FÉNERO<sup>2</sup>; MARIANA ABRANTES DO AMARAL<sup>2</sup>; LAIS CAVALIERI PAREDES<sup>1</sup>; NIELS OLSEN SARAIVA CÂMARA<sup>1</sup>; LUAN FÁVERO MONTES<sup>1</sup>;

1. Departamento de Imunologia (ICB - USP); 2. Disciplina de Nefrologia (UNIFESP);

**TU10 - COMPARISON OF DIFFERENT METHODOLOGIES FOR EXPANSION OF NATURAL KILLER CELLS FROM PERIPHERAL BLOOD AND UMBILICAL CORD BLOOD FOR IMMUNOTHERAPY APPLICATIONS**

MARIA PAULA OLIVEIRA LIMA; SAMUEL CAMPANELLI FREITAS COUTO; PAULA DO AMARAL COSTA RIBEIRO; VIVIANE JENNIFER DA SILVA; IORY ANDRADE PORTILLO LEMOS; FELIPE AUGUSTO ROS; THÉO GREMEN M. DE OLIVEIRA; RODRIGO NALIO RAMOS; VANDERSON ROCHA;

Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo;

**TU11 - COUMARIC ACID DERIVATIVES CONTRIBUTE TO THE CONTROL OVER MELANOMA CELL GROWTH**

JOANA IRISVÂNIA DO CARMO MARTINS; MICHELANGELO BAUWELZ GONZATTI; MARIA EDUARDA PERRUD SOUSA; JOÃO PAULO DOS SANTOS FERNANDES; ALEXANDRE DE CASTRO KELLER; UNIFESP;

**TU12 - DEVELOPMENT OF THIRD GENERATION ANTI-BCMA CAR-T CELLS VECTORS FOR MULTIPLE MYELOMA TREATMENT IN A LOW-MIDDLE INCOME COUNTRY**

CAIO RAONY FARINA SILVEIRA<sup>2</sup>; BRUNO GARCIA PIRES<sup>1</sup>; CAROL KOBORI DA FONSECA<sup>3</sup>; KATIUCHIA UZZUN SALES<sup>1</sup>; RENATO LUIZ GUERINO-CUNHA<sup>1</sup>;

1. 3Department of Medical Images, Hematology and Clinical Oncology, Ribeirão Preto Medical School of University of São Paulo; 2. Advanced Cell Therapy Laboratory, Fundação Hemocentro de Ribeirão Preto; 3. Department of Cellular Biology, Molecular and Pathogenic Bioagents, Medical School of University of São Paulo;

**TU13 - DIFFERENT THERAPEUTIC APPROACHES TO INDUCE SUBSTANTIAL CELL DEATH IN GLIOBLASTOMA CELL LINE**

KAREN CRISTINA OLIVEIRA<sup>1</sup>; LUDMILLA DA SILVA PEREIRA<sup>1</sup>; LETÍCIA DE AQUINO PENTEADO<sup>2</sup>; BRENO VILAS BOAS RAIMUNDO<sup>1</sup>; ALEXANDRA IVO DE MEDEIROS<sup>1</sup>;

1. Universidade Estadual Paulista "Júlio de Mesquita Filho" - UNESP; 2. Universidade de São Paulo - USP/Ribeirão Preto;

**TU14 - DISTINCT CD105 (ENDOGLIN) EXPRESSION ON NORMAL BONE MARROW B CELLS AND LEUKEMIA BLASTS IN CHILDHOOD B CELL PRECURSOR ACUTE LYMPHOBLASTIC LEUKEMIA**

CHAISSAN IGOR DA SILVA NASCIMENTO<sup>3</sup>; GERALDO PEDRAL SAMPAIO<sup>2</sup>; EUGÊNIA TERRA GRANADO<sup>1</sup>;

1. Instituto Gonçalo Moniz – Fiocruz/Bahia; 2. Instituto de Ciência e Saúde - ICS/Universidade Federal da Bahia - UFBA; 3. Universidade Salvador - UNIFACS;

**TU15 - EFFECT OF BRD4 AND MTOR PATHWAY INHIBITORS IN IMMUNE CHECKPOINT EXPRESSION IN AML**

ANA CAROLINA COSTANTI DO NASCIMENTO<sup>2</sup>; ELAYNE BRAGANÇA JARDIM<sup>2</sup>; LETICIA BORGES DA SILVA HEINEN<sup>2</sup>; VANESSA ARAUJO VARELA<sup>1</sup>; WELBERT OLIVEIRA PEREIRA<sup>1</sup>; MARIANE TAMI AMANO<sup>2</sup>;

1. Faculdade Israelita de Ciências da Saúde Albert Einstein; 2. Instituto de Ensino e Pesquisa do Hospital Sírio-Libanês;

**TU16 - EFFECT OF ÔMEGA-3 (DHA) ON CARCINOGENIC PARAMETERS OF MELANOMA CELLS IN VITRO**

RAMON BUSON LIMA PAIVA; DÉBORA SANTOS DA SILVA; LUANA BORGES BAPTISTA; HELOÍSA ANTONIELLA BRAZ DE MELO; KELLY GRACE MAGALHÃES;

Universidade de Brasília;

**TU17 - EFFEROCYTOSIS OF RENCA-APOPTOTIC CELLS PROMOTES SUPPRESSIVE EFFECTS ON DENDRITIC CELLS SUPPORTED BY GLYCOLYSIS**

LUDMILLA DA SILVA PEREIRA<sup>1</sup>; LETÍCIA DE AQUINO PENTEADO<sup>3</sup>;

BRENO VILA BOAS RAIMUNDO<sup>2</sup>; ALEXANDRA IVO DE MEDEIROS<sup>2</sup>;

1. UNESP - Araraquara; 2. UNESP-Araraquara; 3. USP / UNESP;

## VACCINES (VC)

**VC01 - A PROMISING MULTI-STAGE, MULTI-ANTIGEN CHIMERIC RECOMBINANT PROTEIN AS AN ANTI-PLASMODIUM VIVAX VACCINE CANDIDATE**

LAURA CRISTINA LIMA DINIZ; TARSILA MENDES DE CAMARGO; KATIA SANCHES FRANÇOZO; XIOMARA ALEXANDRA GAITAN; ALBA MARINA GIMENEZ; DANIEL YOUSSEF BARGIERI; IRENE DA SILVA SOARES;

Universidade de São Paulo;

**VC02 - ASSESS OF CELLULAR AND HUMORAL RESPONSE OF VACCINATED VOLUNTIERS AND VALIDATION OF SPIN AS A BOOSTER CANDIDATE OF COVID-19 VACCINE**

BRUNO VINICIUS SANTOS VALIATE<sup>2</sup>; TOMÁS GAZZINELLI MARÇAL<sup>3</sup>; LIVIA ISABELA DE OLIVEIRA<sup>2</sup>; GABRIELA BARBI FREIRE MAIA<sup>1</sup>; JULIA CASTRO<sup>2</sup>; LÍDIA PAULA FAUSTINO<sup>2</sup>; MARCONI AUGUSTO AGUIAR DOS REIS<sup>1</sup>; GREGÓRIO GUILHERME ALMEIDA<sup>1</sup>; RICARDO TOSTES GAZZINELLI<sup>2</sup>;

1. FHEMIG - Fundação Hospitalar do Estado de Minas Gerais; 2. Instituto René Rachou - FIOCRUZ Minas; 3. Universidade Federal de Juiz de Fora;

**VC03 - BIOMARKERS SUCH AS CCL3, CCL5, IL-15, IL-1RA, AND VEGF ARE IMPORTANT TO DISCRIMINATE CLASSES OF ADVERSE EVENTS AFTER PRIMARY 17DD-YF VACCINATION ACCORDING TO CAUSE-SPECIFIC DEFINITIONS**

GABRIELA DE OLIVEIRA<sup>1</sup>; JORDANA RODRIGUES BARBOSA FRADICO<sup>1</sup>; ANA CAROLINA CAMPI-AZEVEDO<sup>1</sup>; ELAINE SPEZIALI DE FARIA<sup>1</sup>; ANDRÉA TEIXEIRA-CARVALHO<sup>1</sup>; OLINDO ASSIS MARTINS-FILHO<sup>1</sup>; BETÂNIA PAIVA DRUMOND<sup>2</sup>; IZABELA MAURÍCIO DE REZENDE<sup>2</sup>;

1. Instituto René Rachou; 2. UFMG;

**VC04 - BUTANVAC AND CORONAVAC VACCINES INDUCE A CONSISTENT CELLULAR IMMUNE AND HUMORAL RESPONSE IN EXPERIMENTAL MURINE MODEL OF SARS-COV-2 INFECTION**

THAIS DA SILVA RIGONI<sup>3</sup>; MARIELA CABRAL PICCINI<sup>1</sup>; ANDRESSA BARBAN DO PATROCÍNIO<sup>2</sup>; RODRIGO ABUNA<sup>3</sup>; OSVALDO CAMPOS DOS SANTOS NONATO<sup>3</sup>; RAFAELA LÚCIA LOPES DE SOUZA<sup>3</sup>; RICARDO TOSTES GAZZINELLI<sup>2</sup>; LUCIANA BENEVIDES<sup>2</sup>; JOÃO SANTANA DA SILVA<sup>2</sup>;

1. A.C. Camargo Cancer Center; 2. Fiocruz/SP; 3. USP;

**VC05 - CAMELID NANOBODY AGAINST METALLOPROTEINASE P-I FROM BOTHROPS JARARACUSSU: TOOLS FOR THE TREATMENT OF BOTHROPIC ENVENOMING**

MARCELA CRISTINA DE SOUZA SILVA<sup>2</sup>; SORAYA DOS SANTOS PEREIRA<sup>2</sup>; MARÍLIA PEREIRA GOUVEIA<sup>2</sup>; ROSA MARIA DE OLIVEIRA SOUSA<sup>2</sup>; MARCOS BARROS LUIZ<sup>2</sup>; NIDIANE DANTAS REIS PRADO<sup>2</sup>; ANDERSON MAKOTO KAYANO<sup>2</sup>; ALEFF FERREIRA FRANCISCO<sup>4</sup>; LEANDRO SOARES MOREIRA DIL<sup>2</sup>; FERNANDO BERTON ZANCHI<sup>2</sup>; MARCOS ROBERTO M. FONTES<sup>4</sup>; ANDREIMAR M. SOARES<sup>2</sup>; RODRIGO GUERINO STABELI<sup>3</sup>; CARLA FREIRE CELEDONIO FERNANDES<sup>1</sup>; JULIANA P. ZULIANI<sup>2</sup>;

1. FIOCRUZ-CÉ; 2. FIOCRUZ-RO; 3. FIOCRUZ-SP; 4. UNESP-Botucatu;

**VC06 - CHARACTERIZATION OF PLASMODIUM VIVAX RIBOSOMAL PROTEINS AS MALARIA VACCINE CANDIDATES**

LUNA BARROCO DE LACERDA<sup>1</sup>; GUILHERME MAIA<sup>2</sup>; CRISTOPHER BRYAN GOMES<sup>1</sup>; CAMILA BARBOSA<sup>1</sup>; CAROLINE JUNQUEIRA<sup>1</sup>;

1. Instituto René Rachou, Fundação Oswaldo Cruz; 2. UFMG;



22/09/2022



## CELLULAR IMMUNOLOGY (CE)

### CE30 - *IL-27 AND IL-35 CYTOKINES REGULATE THE SEVERITY OF PLASMODIUM CHABAUDI-TRIGGERED PATHOGENESIS*

OSVALDO C. S. NONATO<sup>1</sup>; ERASMO CARLOS FARIAS JUNIOR<sup>4</sup>; JÚLIA T. CASTRO<sup>1</sup>; FERNANDA M. SOUZA<sup>1</sup>; RAFAELA L. L. SOUZA<sup>1</sup>; LUCIANA BENEVIDES<sup>3</sup>; JOÃO S. SILVA<sup>2</sup>; RICARDO T. GAZZINELLI<sup>2</sup>; 1. 1. Ribeirão Preto School of Medicine – FMRP/USP; 2. Fiocruz, Full Professor at FMRP/USP; 3. Fiocruz/USP; 4. USP;

### CE31 - *IMMUNOMODULATORY EFFECTS OF OMEGA 3 SUPPLEMENTATION ON THE INTESTINAL MUCOSA OF MICE*

MARIANA DE ALMEIDA OLIVEIRA<sup>2</sup>; NATÁLIA PINHEIRO ROSA<sup>2</sup>; LÍCIA TORRES<sup>2</sup>; PEDRO HENRIQUE DIAS MOURA PRAZERES<sup>2</sup>; HELDER CARVALHO ASSIS<sup>3</sup>; TATIANI UCELI MAIOLII<sup>2</sup>; THAÍS GARCÍAS MOREIRA<sup>1</sup>; ANA MARIA CAETANO FARIA<sup>2</sup>; 1. Harvard University; 2. UFMG; 3. UNICAMP;

### CE32 - *IMMUNOMODULATORY POTENTIAL OF NATURAL PRODUCT IN THE HEALING OF WOUNDS INFECTED BY METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS (MRSA)*

GUILHERME MARTINS GOMES FONTOURA<sup>4</sup>; JESSE PEREIRA MACHADO VIANAS<sup>5</sup>; GABRIELLA MARIA MARINHO MESQUITA PINHEIROS<sup>5</sup>; ANDRESA APARECIDA BERRETTA<sup>1</sup>; ARAMYS SILVA REIS<sup>2</sup>; MÁRCIA CRISTINA GONÇALVES MACIEL<sup>3</sup>; 1. Laboratory of Research, Development and Innovation, Apis Flora Indl. Coml. Ltda.; 2. UFMA; 3. UnB; 4. Universidade Federal do Maranhão; 5. Universidade de Brasília;

### CE33 - *IMPACT OF ACUTE GASTROINTESTINAL INFECTIONS IN THE HOST CAPACITY TO INDUCE MUCOSAL TYPE 2 IMMUNITY*

FRANCIELLY MOREIRA; BARBARA CRISTINA PIZZOLANTE; BERNARDO DE CASTRO OLIVEIRA; CAIO LOUREIRO SALGADO; GUILHERME WILLIAM DA SILVA; LEONARDO MANDU GONÇALVES; JOFER ANDREE ZAMAME RAMIREZ; MARINA CAÇADOR AYUPE; DENISE MORAIS DA FONSECA; USP;

### CE34 - *IMPACT OF TYROSINE KINASE INHIBITORS ON T CELLS*

LETÍCIA BORGES DA SILVA HEINEN<sup>2</sup>; VANESSA ARAÚJO VARELA<sup>1</sup>; THAIS NASCIMENTO KIMMEMGS<sup>2</sup>; ANA CAROLINA COSTANTI DO NASCIMENTO<sup>2</sup>; VINÍCIUS JARDIM CARVALHO<sup>2</sup>; ELAYNE BRAGANÇA JARDIM<sup>2</sup>; WELBERT DE OLIVEIRA PEREIRA<sup>1</sup>; MARIANE TAMI AMANO<sup>2</sup>;

1. Instituto Israelita de Ensino e Pesquisa Albert Einstein; 2. Instituto de Ensino e Pesquisa do Hospital Sírio-Libanês;

### CE35 - *IMPORTANCE OF ERKS IN THE DIFFERENTIATION AND FUNCTION OF T REGULATORY CELLS*

MARCOS HENRIQUE ROSA<sup>2</sup>; DOUGLAS DA SILVA PRADO<sup>4</sup>; DANIELE CARVALHO BERNARDO NASCIMENTO<sup>3</sup>; GABRIEL AZEVEDO PÚBLIO<sup>3</sup>; DIEGO BRITO CAETITÉ<sup>2</sup>; TIMNA VARELA MARTINS<sup>3</sup>; LUIS EDUARDO ALVES DAMASCENO<sup>1</sup>; STELLA FRANCY VICENTE DE ASSUNÇÃO<sup>3</sup>; BEATRIZ LIMA ADJAFRE<sup>3</sup>; GUILHERME CESAR MARTELOSSI CEBINELLI<sup>3</sup>; THIAGO MATTAR CUNHA<sup>3</sup>; FERNANDO DE QUEIROZ CUNHA<sup>3</sup>; JOSÉ CARLOS FARIAS ALVES FILHO<sup>3</sup>;

1. FMRP; 2. FMRP USP; 3. USP FMRP; 4. University of Pittsburgh;

### CE37 - *INFLAMMATORY STIMULI LEAD TO TRANSLATIONAL STRESS IN ACTIVATED MACROPHAGES*

RODRIGO DIAS REQUIÃO; MARIO HENRIQUE BENGTON; PEDRO M MORAES-VIEIRA; University of Campinas;

### CE38 - *INFLUENCE OF T LYMPHOCYTES ON THE CENTRAL NERVOUS SYSTEM OF MICE DURING DEVELOPMENT*

ERIANE CERQUEIRA SANTOS<sup>2</sup>; FELIPE HENRIQUE DA CUNHA XAVIER<sup>1</sup>; PEDRO HENRIQUE OLIVEIRA VIANNA<sup>1</sup>; YGOR PARLADORE SILVA<sup>1</sup>; ÁQUILA RODRIGUES COSTA SANTOS<sup>1</sup>; ADRIANA CESAR BONOMO<sup>1</sup>; RUDIMAR LUIZ FROZZA<sup>1</sup>; POLIANA CAPUCHO SANDRE<sup>1</sup>;

1. FIOCRUZ; 2. IFRJ;

### CE39 - *INGUINAL LYMPH NODE IMMUNOSENESCENCE MARKERS AND CD8/CD4 T CELL RATIO ARE INDUCED IN EXERCISE-TRAINED LIPODYSTROPHIC MICE*

LETÍCIA DE SOUZA FIGUEIREDO<sup>1</sup>; TEREZA CRISTINA MINTO FONTES CAL<sup>1</sup>; HENVER SIMIONATO BRUNETTA<sup>1</sup>; RAÍSSA GUIMARÃES LUDWIG<sup>1</sup>; DIOGO DE MORAES<sup>1</sup>; RAUL GOBATO DA COSTA<sup>1</sup>; VINÍCIUS FRANCO DE FREITAS<sup>1</sup>; LETÍCIA GABRIELA CARVALHO SILVA<sup>1</sup>; ALESSANDRO DOS SANTOS FARIAS<sup>2</sup>; MARCELO ALVES DA SILVA. MORI<sup>1</sup>;

1. Aging Biology Laboratory, Department of Biochemistry and Tissue Biology, Institute of Biology, University of Campinas; 2. Autoimmune Research Laboratory, Department of Genetic, Evolution, Microbiology and Immunology, Institute of Biology, University of Campinas;



**CE40 - INTEGRATION OF SINGLE-CELL TRANSCRIPTOME REVEALS MACROPHAGES AS AN IMPORTANT CLINICAL FACTOR IN PROGNOSIS IN TRIPLE-NEGATIVE BREAST CANCER**

GABRIELA RAPOZO GUIMARÃES1; GIOVANNA RESK MAKLOUF1; CRISTIANE ESTEVES TEIXEIRA1; NAYARA GUSMÃO TESSAROLLO1; MARIA CLARA VASCONCELOS BERTO1; PEDRO MANOEL MENDES MORAES-VIEIRA2; MARCELO ALVES DA SILVA MORIZ; MARIANA BORONI1;

1. Brazilian National Cancer Institute; 2. University of Campinas;

**CE41 - INTERACTIONS MEDIATED BY SPHINGOSINE-1-PHOSPHATE, CXCL12 AND INTEGRINS IN THE MIGRATION OF NEOPLASTIC T LYMPHOCYTES**

ELIZABETH PINTO BELORIO1; ANA CAROLINA VIEIRA DE JESUS3; ANA JULIA LACERDA CAMPOS3; CAROLINE FERNANDES DOS SANTOS BOTTINI3; VINICIUS COTTA DE ALMEIDA2; DANIELLA ARÉAS MENDES DA CRUZ1;

1. Instituto Oswaldo Cruz/FIOCRUZ; 2. Instituto Oswaldo Cruz/Fiocruz; 3. Universidade Federal Fluminense;

**CE42 - INTRANASAL IMMUNIZATION WITH A NON-REPLICATE INFLUENZA VIRUS PREVENTS THE INFLUX OF INFLAMMATORY MONOCYTES AND PROMOTES THE ANTIGEN-SPECIFIC CD8+ T CELL RESPONSES IN INFECTED ASTHMATIC MICE**

OSVALDO CAMPOS DOS SANTOS NONATOS; RAFAELA LÚCIA LOPES DE SOUZA5; JÚLIA TEIXEIRA CASTRO5; FERNANDA MESQUITA DE SOUZA5; MARIELA PIRES CABRAL PICCIN3; LUCIANA BENEVIDES3; ALEXANDRE MAGALHÃES MACHADO2; JOÃO SANTANA SILVA1; RICARDO TOSTES GAZZINELLI4;

1. Full Professor of FMRP/USP, Ribeirão Preto-SP; 2. Fundação Oswaldo Cruz, Belo Horizonte-MG; 3. Fundação Oswaldo Cruz, Ribeirão Preto-SP; 4. Professor Of FMRP/USP, Ribeirão Preto; 5. Universidade de São Paulo;

**CE43 - LEPTIN FAVORS IMBALANCE OF ANTIGEN-SPECIFIC CD4+ T CELLS ASSOCIATED WITH SEVERITY OF CAT ALLERGY**

HUGO AKIRITO DE ALMEIDA OYAMADA2; CAROLINA MELO VOLLMER1; ALEIDA SORAIA OLIVEIRA DIAS2; MARISA DA CUNHA SALES2; PRISCILA MENDONÇA DO SACRAMENTO1; JÚLIO CÉSAR COSTA DA SILVA1; ULISSES CERQUEIRA LINHARES1; SUDHIR GUPTA3; TAISSA DE MATOS KASAHARA1; CLEONICE ALVES DE MELO BENTO1;

1. Universidade Federal do Estado do Rio de Janeiro - UNIRIO; 2. Universidade do Estado do Rio de Janeiro - UERJ; 3. University of California, Irvine;

**CE44 - LINOLEIC ACID ACCELERATES WOUND HEALING AND IMPROVES COLLAGEN DEPOSITION IN DIABETIC MICE THROUGH IL-6 DEPENDENT SIGNALING**

ROBERTA NICOLLI SAGIORATO; JÉSSICA RONDONI SILVA; BEATRIZ BURGER; HOSANA GOMES RODRIGUES; Unicamp;

**CE45 - LIVER X RECEPTORS ARE CRITICAL FOR T CELL POLARIZATION AND DEVELOPMENT**

JULIANA EDELVACY LIMA PINTO2; GUILHERME RIBEIRO DA SILVA1; GUSTAVO GASTÃO DAVANZO1; CRISTHIANE FAVERO DE AGUIAR1; ANA MARIA MARQUES1; ANA CRISTINA MEDINA GUILLEN1; ALESSANDRO DOS SANTOS FARIAS1; PEDRO MANOEL MENDES MORAES-VIEIRA1;

1. UNICAMP; 2. USP;

**CE46 - LONG-TERM RESISTANCE TO METABOLIC SYNDROME INDUCED BY ACUTE GASTROINTESTINAL INFECTION**

BERNARDO DE CASTRO OLIVEIRA1; JOFER ANDREE ZAMAME RAMIREZ1; DENISE MORAIS DA FONSECA1; MIRIAN KRISTEL DE SIQUEIRA3; LUÍSA MENEZES SILVA1; CAIO LOUREIRO SALGADO1; BÁRBARA CRISTINA PIZZOLANTE1; FRANCIELLY MOREIRA1; LEONARDO MANDU GONÇALVES2; GUILHERME WILLIAN DA SILVA1; MARINA CAÇADOR AYUPE1;

1. ICB USP; 2. ICB USPa; 3. UCLA;

**CE47 - MAJOR DEPRESSION FAVORS THE EXPANSION OF TH17 LIKE CELLS AND DECREASE THE PROPORTION OF CD39+ TREG CELL SUBSETS IN RESPONSE TO MYELIN ANTIGEN IN MULTIPLE SCLEROSIS PATIENTS**

PRISCILA MENDONÇA DO SACRAMENTO3; MARISA DA CUNHA SALES1; CLARICE MONTEIRO RODRIGUES SANTOS2; HUGO AKIRITO DE ALMEIDA OYAMADA1; ALEIDA SORAIA DE OLIVEIRA DIAS1; LANA MÁRCIA FERREIRA LOPE1; CAMILLA TEIXEIRA DE CASTRO1; ÁTILA DUQUE ROSSI2; LUCAS MATTOS MILIONI2; REGINA MARIA PAPAIS ALVARENGA3; CLAUDIA CRISTINA FERREIRA VASCONCELOS3; CLEONICE ALVES DE MELO BENTO3;

1. UERJ; 2. UFRJ; 3. UNIRIO;

**CE48 - MAST CELLS DECREASE THE PARTICIPATION OF WOUND REPAIR IN THE SKIN OF SENESCENT MICE**

MONIQUE MACEDO COELHO1; RAFAELA DE MELO BARRETO2; JULIANA APARECIDA PINTO DE RESENDE2; ROSIANE APARECIDA DE CASTRO2; JUAN FILLIPE DA SILVA MONTEIRO2; FLÁVIA CARMO HORTA PINTO2; CLAUDIA ROCHA CARVALHO1; RAQUEL ALVES COSTA2;

1. UFMG; 2. UFSJ;

**CE49 - METABOLIC-TRAINED IMMUNITY POTENTIATES SARS-COV-2 INFLAMMATION TO WORSEN COVID-19 DISEASE**

Larissa Menezes dos Reis9; Gustavo Gastão Davanzo9; Bianca Gazieri Castelucci9; João Victor Virgilio-da-Silva9; Stéfanie Primon Muraro7; Gabriela Fabiano de Souza7; José Luís Fachí8; Isabella Bonilha de Oliveira5; Guilherme Ribeiro9; Marcelo Rodrigues Berçot9; Gabriela Flavia Rodrigues Luiz9; Gerson S. Profeta6; Natália S. Wassano4; Ikaro Breder5; Ticiane G Bovi5; Webster Leonardo G Costa10; André Damasio4; Marcelo A. Mori6; Alessandro S. Farias1; Daniel Martins-de-Souza11; Alan Saghatelyan3; Marco Aurélio Ramirez Vinolo5; José Luiz Proença-Módena7; Afshin Beheshti2; Andrei C Sposito8; Pedro Manoel M. Moraes-Vieira9;

1. Autoimmune Research Laboratory, Department of Genetics, Microbiology and Immunology, Institute of Biology, University of Campinas; 2. Broad Institute of MIT and Harvard, Cambridge, MA, 02142, USA; 3. Clayton Foundation Laboratories for Peptide Biology, Salk Institute for Biological Studies, La Jolla, CA; 4. Department of Biochemistry and Tissue Biology, Institute of Biology (IB), University of Campinas; 5. Department of Clinical Medicine, School of Medical Sciences, University of Campinas; 6. Laboratory of Aging Biology, Department of Biochemistry and Tissue Biology, Institute of Biology, University of Campinas; 7. Laboratory of Emerging Viruses, Department of Genetics, Evolution, Microbiology and Immunology, Institute of Biology, University of Campinas; 8. Laboratory of Immunoinflammation, Department of Genetics, Evolution, Microbiology, and Immunology, Institute of Biology, University of Campinas; 9. Laboratory of Immunometabolism, Department of Genetics, Evolution, Microbiology and Immunology, Institute of Biology, University of Campinas; 10. Laboratory of Immunometabolism, Department of Genetics, Microbiology and Immunology, Institute of Biology, University of Campinas; 11. Laboratory of Neuroproteomics, Department of Biochemistry and Tissue Biology, Institute of Biology, University of Campinas;

**CE50 - MICROGLIA DERIVED EXTRACELLULAR MITOCHONDRIA MODULATE NEURONAL SURVIVAL AND FUNCTION**

MONARA KAELE SERVULO CRUZ ANGELIM; GISELE DE CASTRO; PEDRO MANOEL MENDES MORAES VIEIRA; UNICAMP;

**CE51 - NADPH-OXIDASE CONTROLS MACROPHAGES PRO-INFLAMMATORY PROFILE THROUGH A HIF-1A-DEPENDENT PATHWAY**

GUILHERME RIBEIRO DA SILVA1; GUSTAVO GASTÃO DAVANZO1; JOÃO VICTOR VIRGILIO DA SILVA3; BIANCA GAZIERI CASTELUCCI2; MARCELO RODRIGUES BERÇOT3; LARISSA MENEZES DOS REIS2; PEDRO MANOEL MENDES MORAES-VIEIRA1;

1. IB - UNICAMP; 2. IB-UNICAMP; 3. IB-UNICAMP / ICB - USP;

**CE52 - NEUTROPHIL EXTRACELLULAR TRAP AS A TARGET FOR INTERVENTION IN ASTHMA DIFFICULT TO BE TREATED AS CONSEQUENCE OF ACUTE PNEUMONIA**

MÈDÉTON MAHOUSI MICHAËL BOKO; THAIS FERNANDA DE CAMPOS FRAGA-SILVA; NÚBIA SABRINA MARTINS; FLÁVIO PROTÁSIO VERAS; FERNANDO QUEIROZ CUNHA; VÂNIA LUIZA DEPERON BONATO; UNIVERSIDADE DE SÃO PAULO;

**CE53 - NEUTROPHILS MEDIATED THE RELAPSE OF INTESTINAL INFLAMMATION DURING THE BREAKDOWN OF INTESTINAL NORMOBIOSIS IN ANIMALS TREATED WITH INFLIXIMAB IN EXPERIMENTAL COLITIS**

JEFFERSON LUIZ DA SILVA3; LIA VEZENFARD3; CAMILA FIGUEIREDO PINZAN2; VIVIANI NARDINI3; MARCELO DIAS BARUFFI3; JOSÉ JOAQUIM RIBEIRO DA ROCHA2; OMAR FERES2; MARLEY RIBEIRO FEITOSA1; ROGERIO PARRA2; CRISTINA RIBEIRO DE BARROS CARDOSO3;

1. FMRP; 2. FMRP-USP; 3. Faculdade de Ciências Farmacêuticas de Ribeirão Preto - USP/RP;

**CE54 - NLRP3 INFLAMMASOME ACTIVATION IN HUMAN PERIPHERAL BLOOD MONONUCLEAR CELLS INDUCED BY BTHX-I AND BTHX-II ISOLATED FROM BOTHROPS JARARACUSSU**

MILENA DANIELA SOUZA SILVA3; JÉSSICA AMARAL LOPES1; MAURO VALENTINO PALOSCHI1; CHARLES NUNES BOENO1; CRISTINA MATIELE ALVES REGO1; ORTÊNCIA DE OLIVEIRA SOUSA1; HALLISON MOTA SANTANA1; VALDISON PEREIRA DOS REIS1; SUZANNE NERY SERRATH1; SULAMITA DA S. SETÚBAL1; JULIANA P. ZULIANI1; ANDREIMAR M. SOARES2;

1. Fundação Oswaldo Cruz, FIOCRUZ Rondônia, Porto Velho-RO, Brazil; 2. LABIOPROT/ Fundação Oswaldo Cruz, FIOCRUZ Rondônia, Porto Velho-RO, Brazil; 3. PGBIOEXP/ Fundação Oswaldo Cruz, FIOCRUZ Rondônia, Porto Velho-RO, Brazil;

**CE55 - NLRP3 INFLAMMASOME ACTIVATION IN NEUTROPHILS STIMULATED BY L-AMINO ACID OXIDASE FROM CALLOSELASMA RHODOSTOMA VENOM**

MAURO VALENTINO PALOSCHI1; CHARLES NUNES BOENO1; JESSICA AMARAL LOPES2; CRISTINA MATIELE ALVES REGO1; MILENA DANIELA SOUZA SILVA1; HALLISON MOTA SANTANA1; SUZANNE NERY SERRATH1; YODA JANAINA IKENOBUCHI1; BRAZ JUNIOR CAMPOS FARIAS1; KATIA PAULA FILIPIN1; NERIANE MONTEIRO NERY1; VALDISON PEREIRA DOS REIS1; SULAMITA DA SILVA SETUBAL1; ANDREIMAR MARTINS SOARES1; JULIANA PAVAN ZULIANI1;

1. FIOCRUZ-RO; 2. FIOCRUZ/RO;

**CE56 - OBESITY INCREASES BLOOD-BRAIN BARRIER PERMEABILITY AND AGGRAVATES MOUSE MODEL OF MULTIPLE SCLEROSIS**

GISELE DE CASTRO2; GUSTAVO GASTÃO DAVANZO1; LAUAR DE BRITO MONTEIRO1; VITOR HUGO JACCOMO1; BIANCA GAZIERI CASTELUCCI1; FELIPE CORRÊA DA SILVA1; ANA MARIA MARQUES1; CAROLINA FRANCELIN1; BRUNA BUENO DE CAMPOS1; CRISTHIANE FÁVERO DE AGUIAR1; PAULO PINTO JOAZEIRO1; SÍLVIO ROBERTO CONSONNI1; ALESSANDRO DOS SANTOS FARIAS1; PEDRO MANOEL MENDES DE MORAES VIEIRA1;

1. UNICAMP; 2. USP;

**CE57 - OBESITY PROMOTES METABOLICALLY ACTIVATION AND MITOCHONDRIAL FISSION IN MACROPHAGES THROUGH A HIF-1A DEPENDENT PATHWAY**

JOAO VICTOR VIRGILIO DA SILVA3; GUSTAVO GASTÃO DAVANZO1; LARISSA MENEZES DOS REIS1; MONARA KAÉLLE SÉRVULO CRUZ ANGELIM1; BIANCA GAZIERI CASTELUCCI1; MARCELO RODRIGUES BERÇOT3; GUILHERME RIBEIRO1; HENVER SIMIONATO BRUNETTA1; MARCELO ALVES DA SILVA MORI2; PEDRO MANOEL MENDES DE MORAES-VIEIRA2;

1. UNICAMP; 2. UNICAMP/OCRC/EMRC; 3. UNICAMP/USP;

**CE58 - OBTAINING CRISPR/CAS9 ENGINEERED LEISHMANIA AMAZONENSIS TO UNVEIL THE ROLE OF GLYCOCONJUGATES DURING HOST-PARASITE INTERPLAY**

FLÁVIO HENRIQUE DE JESUS SANTOS2; JONILSON BERLINK LIMA3; ALBERT DESCOTEAUX1; VALÉRIA MATOS BORGES2; LEONARDO PAIVA FARIAS2;

1. Institut National de la Recherche Scientifique, Institut Armand-Frappier.; 2. Instituto Gonçalo Moniz, Fundação Oswaldo Cruz; 3. Universidade Federal do Oeste da Bahia;

**CE59 - OMEGA 3 RICH FISH OIL SUPPLEMENTATION REVERTS INFLAMMATORY LYMPHOCYTE PROFILE IN LEAN TYPE 2 DIABETIC GOTO-KAKIZAKI RATS**

TIAGO BERTOLA LOBATO2; ELVIRAH SAMANTHA DE SOUSA SANTOS2; MARIA ELIZABETH PEREIRA PASSOS2; RENAIDE RODRIGUES FERREIRA GACEK2; VINÍCIUS LEONARDO DINIZ2; CAMILA SOARES DOS SANTOS2; JOÃO CARLOS DE OLIVEIRA BORGES2; ANA CAROLINA GOMES2; ILANA SOUZA CORREA2; GABRIELA MANDÚ GIMENES2; JANAÍNA RIBEIRO BARBOSA PAUFERRO2; FLAVIANO LUIZ ROCHA DA SILVA2; MARIA JANAINA LEITE DE ARAÚJO2; LAUREANE NUNES MAS2; SANDRO MASSAO HIRABARA1; TÂNIA CRISTINA PITHON-CURI1; RUI CURI1; RENATA GORJÃO1;

1. Interdisciplinary Post-Graduate Program in Health Sciences, Cruzeiro do Sul University; 2. Interdisciplinary Post-Graduate Program in Health Sciences, Cruzeiro do Sul University.;

**CE60 - PARTICIPATION OF PD-1/PD-L1 IN SUSCEPTIBILITY TO LEISHMANIA AMAZONENSIS INFECTION AND INDUCTION OF PD-L1 IN NEUTROPHILS IN VITRO AND IN VIVO.**

ALESSANDRA MARCIA DA FONSECA MARTINS1; HERBERT LEONEL DE MATOS GUEDES3; ELVIRA MARIA SARAIVA2;

1. FIOCRUZ; 2. UFRJ; 3. UFRJ/FIOCRUZ;

TÁRCIO PEIXOTO ROCA4; DEUSILENE SOUZA VIEIRA2; RICARDO TOSTES GAZZINELLI3; ANA PAULA FERNANDES1;

1. CT Vacinas/Universidade Federal de Minas Gerais; 2. Fundação Oswaldo Cruz Rondônia; 3. Fundação Oswaldo Cruz-Minas; CT Vacinas/Universidade Federal de Minas Gerais; 4. Instituto Oswaldo Cruz;

**CL13 - EFFECT OF HEMODIALYSIS ON THE INFLAMMATORY AND NUTRITIONAL PROFILE OF PATIENTS IN A TWO-YEAR FOLLOW-UP**

BRUNA MORAES ISIDORO; ALAIN LEON SAEZ; ELIZETE KEITEL; CATARINA BERTASO ANDREATA GOTTSCHALL; IGOR MARTINS; MAELI ANDRESSA LIRIO SANTOS; GILSON PIRES DORNELES; JOANE SEVERO RIBEIRO; ALESSANDRA PERES; UFCSPA;

**CL14 - EFFECT OF HEMODIALYSIS ON THE MORTALITY OF PATIENTS IN A TWO-YEAR FOLLOW-UP**

JOANE SEVERO RIBEIRO; ALAIN LEON SAEZ; ELIZETE KEITEL; CATARINA BERTASO ANDREATA GOTTSCHALL; IGOR MARTINS; MAELI ANDRESSA LIRIO SANTOS; GILSON PIRES DORNELES; ALESSANDRA PERES; UFCSPA;

**CL15 - EFFECTS OF THERAPEUTIC TREATMENT WITH PROPIONATE BRONCHIOLITIS CAUSED BY RESPIRATORY SYNCYTIAL VIRUS**

MARIANE SCHÄFFER CASTRO1; KRIST HELEN ANTUNES1; LEONARDO DUARTE SANTOS1; SOFIA GIACOMET BORGES1; GUILHERME FERNANDO RECACHO1; JULIANA GORGEN POPPE1; RENATO STEIN1; MARCO AURÉLIO VINOLO2; ANA PAULA DUARTE DE SOUZA1;

1. PUCRS; 2. Unicamp;

**CL16 - EVALUATION OF ANTI-NUCLEOCAPSID ANTIBODY PRODUCTION IN INDIVIDUALS INFECTED WITH SARS-COV2**

PEDRO HENRIQUE MIRANDA BÜRGEL2; ELIENE MARTINS DE LIRA2; IKARO ALVES DE ANDRADE3; STEPHAN ALBERTO MACHADO DE OLIVEIRA2; RAFFAEL JÚNIO ARAÚJO DE CASTRO2; TATSUYA NAGATA3; RENATO DE OLIVEIRA RESENDE1;

1. Collaborating Researcher , Graduate Program in Molecular Biology, University of Brasilia; 2. Laboratory of Applied Immunology, University of Brasilia; 3. Laboratory of Virology and Microscopy, University of Brasilia;

**CL17 - FOOD ALLERGY DIAGNOSTIC TEST TO PEANUTS AND CASHEW NUTS: INFLUENCE OF THE WAY OF OBTAIN PROTEIN EXTRACTS**

BÁRBARA OLIVEIRA MARMELLO; JOÃO RICARDO ALMEIDA SOARES; AIRTON PEREIRA E SILVA; ISABELLE MAZZA GUIMARÃES; SÔNIA KRISTY PINTO MELO RODRIGUES; GERLINDE AGATE PLATAIS BRASIL TEIXEIRA; MAURÍCIO AFONSO VERÍCIMO;

Universidade Federal Fluminense;

## CLINICAL IMMUNOLOGY (CL)

**CL12 - DEVELOPMENT AND PROTOTYPING OF A RAPID TEST FOR THE DIAGNOSIS OF HEPATITIS B AND D**

THICIANY BLENER LOPES1; FABIANA FIORAVANTE COELHO1;

**CL18 - IDENTIFICATION OF A CXCR3+ CD8+ T LYMPHOCYTE SUBSET ASSOCIATED WITH DIMINISHED RISK OF PARADOXICAL TUBERCULOSIS-RELATED IMMUNE RECONSTITUTION SYNDROME IN PATIENTS WITH ADVANCED HIV INFECTION**

RAFAEL TEIXEIRA TIBURCIO DOS SANTOS1; GOPALAN NARENDHRAN2; BEATRIZ BARRETO-DUARTE1; ARHUR LOPO QUEIROZ1; MARIANA ARAUJO-PEREIRA1; IRINI SERETI3; BRUNO DE BEZERRIL ANDRADE1;

1. Instituto Gonçalo Moniz/ Fiocruz - Bahia; 2. National Institute for Research in Tuberculosis; 3. National Institutes of Health;

**CL19 - IMMUNOLOGICAL PROFILE IN SEVERE COVID-19 CANCER PATIENTS**

MARINA M. BURLÁ2; BÁRBARA PEIXOTO2; KARINA L. SILVA2; ISACLAUDIA AZEVEDO-QUINTANILHA3; EUGENIO D. HOTTZ1; MARCELO A. SOARES2; ANDREIA C. MELO2; PATRICIA T. BOZZA3; JOÃO P.B. VIOLA2;

1. Federal University of Juiz de Fora; 2. Instituto Nacional de Câncer; 3. Oswaldo Cruz Institute;

**CL20 - IMMUNOSENESCENCE RESPONSE IN COVID-19 INFECTION**

LICIA TORRES; LUCAS HANIEL; GIOVANNA CALIMAN CAMATTA; MARIANA ALMEIDA DE OLIVEIRA; VINICIUS DANTAS MARTINS; ANA MARIA CAETANO DE FARIA; ufmg;

**CL21 - INVOLVEMENT OF IL17A AND IL17RA VARIANTS IN INTERLEUKIN-17A LEVELS AND DISEASE ACTIVITY IN ULCERATIVE COLITIS**

MARIANA PAULA SANCHEZ ZANOTTI; CAMILA CATALDI DE ALCANTARA; CLÁUDIA JUNKO INOUE; BEATRIZ PIANTONI GONÇALVES; BEATRIZ RABELLO ESPINOSA; PEDRO LUIZ CÂNDIDO DE SOUZA CASSELA; GUILHERME LERNER TRIGO; TAINAH MENDES AHRENS; MARCELL ALYSSON BATISTI LOZOVY; EDNA MARIA VISSOCI REICHE; ANDRÉA NAME COLADO SIMÃO; University of Londra;

**CL22 - METABOLIC DISORDER IN LONG COVID: IMMUNE PROFILE OF DIABETES ASSOCIATED WITH COVID-19**

CINTIA FIGUEIREDO DE ARAÚJO1; MÁRCIO ANDRADE BARRETO FILHO1; ICARO BONYEK SANTOS DA SILVA1; ANANDA ISIS LIMA DE MARINHO1; CARLOS EDUARDO BARRA COURI3; CRISTINA R. DE BARROS CARDOSO3; MANOEL BARRAL-NETTO1; NATALIA MACHADO TAVARES1; VIVIANE SAMPAIO BOAVENTURA2;

1. Instituto Gonçalo Moniz (IGM) – Fiocruz Bahia; 2. Instituto Gonçalo Moniz (IGM) – Fiocruz Bahia; Faculdade de Medicina da Bahia -UFBA; 3. Universidade de São Paulo- Ribeirão Preto;

**CL23 - MODULATION OF INFLAMMATORY MARKERS IN ELDERLY INDIVIDUALS TREATED WITH AN INTRAORAL APPLIANCE FOR SLEEP APNEA: "BEFORE AND AFTER" CLINICAL TRIAL**

SOFIA DE LIMA SILVA1; JOÃO CARLOS FRAGA1; VANIA FONTANELLA2; GILSON PIRES DORNELES1; JOANE SEVERO RIBEIRO1; ALESSANDRA PERES1;

1. Universidade Federal de Ciências de Saúde de Porto Alegre; 2. Universidade Federal do Rio Grande do Sul;

## HUMORAL IMMUNOLOGY (HI)

**HI06 - EVOLUTIONARY LOSS OF NEU5GC INFLUENCES INTESTINAL MICROBIOTA AND NATURAL ANTIBODY REPERTOIRE**

PHILIPPE CALOBA4; LUCIANA CONDE3; CECILIA BATAGLIOLI CAVAZZONI6; LIVIA SOARES ZAMELA2; GRACIELA MARIA DIAS3; RAÚL ARIAS-CARRASCO5; ADOLFO ROJAS HIDALGO7; VINICIUS MARACAJA COUTINHO1; ADRIANE TODESCHINI3; ALBERTO NOBREGA4; ANDRE MACEDO VALE3; FREDERICO ALISSON-SILVA4;

1. Advanced Center for Chronic Diseases - ACCDiS, Facultad de Ciencias Químicas y Farmacéuticas, Universidad de Chile; 2. Faculdade de Medicina de Ribeirão Preto. Departamento de Bioquímica e Imunologia. Universidade de São Paulo; 3. Instituto de Biofísica Carlos Chagas Filho, Universidade Federal do Rio de Janeiro; 4. Instituto de Microbiologia Paulo de Góes, Universidade Federal do Rio de Janeiro; 5. Programa Institucional de Fomento a la Investigación, Desarrollo e Innovación (PIDi), Universidad Tecnológica Metropolitana; 6. Transplantation Research Center, Renal Division, Brigham and Women's Hospital; 7. Universidad de Chile;

**HI07 - EXPRESSION OF RECOMBINANT CHIKUNGUNYA VIRUS E2 PROTEIN IN EUKARYOTE CELLS FOR USE IN DIAGNOSTIC PLATFORMS**

CID OLIVEIRA DE QUEIROZ; JÚLIA DE SOUZA REIS; KARINE LIMA LOURENÇO; GABRIELA DE ASSIS BURLE CALDAS; FLÁVIA FONSECA BAGNO; FLÁVIO GUIMARÃES DA FONSECA; SANTUZA MARIA RIBEIRO TEIXEIRA; Universidade Federal de Minas Gerais;

**HI08 - FAST AND EFFICIENT MONOCLONAL ANTIBODY ISOLATION FROM HUMAN MEMORY B CELLS**

LUCIANA CONDE2; GABRIELA MACIEL2; GUSTAVO MEIRA DE ASSIS2; LUCAS TOSTES2; DANIELLE A. S. RODRIGUES2; BÁRBARA GABRIELLE2; VINICIUS WAKOFF2; MARCELA SABINO CUNHA2; LUCIANA COSTA2; TEREZINHA MARTA PEREIRA PINTO CASTINEIRAS2; ORLANDO C. FERREIRA JR2; AMILCAR TANURIZ2; ADRIANA BONOMO1; ALBERTO NÓBREGA2; JULIANA ECHEVARRIA NEVES DE LIMA2; MARCELO TORRES BOZZA2; ANDRÉ MACEDO VALE2;

1. Fiocruz; 2. UFRJ;





**HI09 - THE ROLE OF THE HUMORAL IMMUNE SYSTEM IN THE TREATMENT OF CANCER AND THE EFFECTIVENESS OF IMMUNOTHERAPY WITH THE USE OF MONOCLONAL ANTIBODIES IN THE FIGHT AGAINST TUMORS: A LITERATURE REVIEW.**

CAMILA DE LIMA TAVARES;  
Universidade Filadélfia;

## IMMUNOLOGY OF INFECTIOUS AND PARASITIC DISEASES (ID)

**ID040 - EVALUATION OF THE ROLE OF P2X7 RECEPTOR ON GC-TFH CELL DEATH IN EXPERIMENTAL MALARIA**

DANILO CHAVES DA SILVA RAMOS DE SOUZA; PAULO HENRIQUE LISBOA RAEDER; ERIKA MACHADO DE SALLES; DEBORAH GIOVANNA CANTARINI; JOSE MARIA ALVAREZ; MARIA REGINA D'IMPÉRIO LIMA;  
Instituto de Ciências Biomédicas - USP;

**ID041 - GASDERMIN-D ACTIVATION IN RESPONSE TO LEISHMANIA INFECTION INDUCE A TRANSIENT CELL PERMEABILIZATION TO PROMOTE NLRP3 ACTIVATION AND HOST RESISTANCE TO INFECTION**

KEYLA SANTOS GUEDES DE SÁ; LUANA ALEXANDRINA AMARAL; TAMARA SILVA RODRIGUES; ADRIENE YUMI ISHIMOTO; WARRISON ATHANÁSIO COELHO DE ANDRADE; LETÍCIA DE ALMEIDA; FELIPE FREITAS CASTRO; SABRINA SETEMBRE BATAH; ALEXANDRE TODOROVIC FABRO; DARIO SIMÕES ZAMBONI;  
Faculdade de Medicina de Ribeirão Preto;

**ID042 - GUT MICROBIOTA FROM PATIENTS WITH MILD COVID-19 CAUSE ALTERATIONS IN MICE THAT RESEMBLE POST-COVID SYNDROME**

VIVIANI MENDES DE ALMEIDA<sup>7</sup>; DAIANE F. ENGEL<sup>4</sup>; MAYRA F. RICCI<sup>3</sup>; CLÊNIO S. CRUZ<sup>3</sup>; ÍCARO S. LOPES<sup>3</sup>; DANIELE A. ALVES<sup>3</sup>; MIRNA D' AURIOL<sup>3</sup>; JOÃO MAGALHÃES<sup>3</sup>; GIULIANA S. ZUCCOLIS; BRADLEY J. SMITHS; VICTOR C. CARREGARIS; ELAYNE C. MACHADO<sup>3</sup>; VICTOR M. ROCHA<sup>3</sup>; TONIANA G. CARVALHO<sup>3</sup>; LARISSÉ S. B. LACERDA<sup>3</sup>; JORDANE C. PIMENTA<sup>3</sup>; IZABELA GALVÃO<sup>3</sup>; MARIANA AGANETTI<sup>3</sup>; ERIKA S. ROSA<sup>3</sup>; GEOVANNI D. CASSALI<sup>3</sup>; CRISTIANA C. GARCIA<sup>1</sup>; MAURO M. TEIXEIRA<sup>3</sup>; LEILIANE COELHO<sup>3</sup>; FABIOLA M. RIBEIRO<sup>3</sup>; FLAVIANO S. MARTINS<sup>3</sup>; RAFAEL S. SAIAS; VIVIAN V. COSTA<sup>3</sup>; DANIEL MARTINS-DE-SOUZA<sup>6</sup>; JOÃO T. MARQUES<sup>3</sup>; ERIC R.G. R. AGUIAR<sup>2</sup>; ANGÉLICA THOMAZ VIEIRA<sup>3</sup>; 1. Fiocruz; 2. UESC; 3. UFMG; 4. UFOP; 5. UNICAMP; 6. USP; 7. Universidade Federal de Minas Gerais;

**ID043 - HEMATOLOGICAL PARAMETERS CAN BE USED AS PREDICTIVE FACTORS FOR COVID-19 OUTCOME**

CECÍLIA HORTA RAMALHO PINTO<sup>1</sup>; LUCAS HANIEL DE ARAÚJO VENTURA<sup>1</sup>; GIOVANNA CALILMAN CAMATTA<sup>1</sup>; CRISTIANE BERNARDO SILVA<sup>1</sup>; GABRIELA DA SILVEIRA E NUNES<sup>3</sup>; LEANDRO DE SOUSA NASCIMENTO<sup>1</sup>; HUGO ITARU SATO<sup>1</sup>; MURILO SOARES COSTAS<sup>5</sup>; SANTUZA MARIA RIBEIRO TEIXEIRA<sup>1</sup>; UNÁI TUPINAMBÁS<sup>2</sup>; ANDREA TEIXEIRA CARVALHO<sup>4</sup>; ANA MARIA CAETANO FARIA<sup>1</sup>; 1. Departamento de Bioquímica e Imunologia, Universidade Federal de Minas Gerais; 2. Departamento de Clínica Médica, Faculdade de Medicina, Universidade Federal de Minas Gerais; 3. Departamento de Medicina, Universidade Federal de Juiz de Fora – campus Governador Valadares; 4. Instituto de Pesquisa Rene Rachou, Fundação Oswaldo Cruz, Belo Horizonte, Minas Gerais, Brasil; 5. Programa de Pós-Graduação em Medicina Tropical, Faculdade de Medicina, Universidade Federal de Minas Gerais;

**ID044 - HHV-8 VIRAL LOAD AND NFKB EXPRESSION IN B LYMPHOCYTES IN HIV/HHV-8 COINFECTED INDIVIDUALS**

JULIANA PRADO GONÇALES<sup>1</sup>; MELAYNE ROCHA ACIOLE<sup>4</sup>; THAISA REGINA ROCHA LOPESS; VIRGINIA MARIA BARROS DE LORENA<sup>2</sup>; MARIA ROSANGELA CUNHA DUARTE COELHO<sup>3</sup>; 1. Grupo Ser Educacional; 2. Instituto Aggeu Magalhães, Fundação Oswaldo Cruz, Pernambuco; 3. Laboratório de Imunopatologia Keizo Asami, Universidade Federal de Pernambuco; 4. Universidade Federal de Pernambuco; 5. Universidade Federal de Santa Maria;

**ID045 - HIF1A-MEDIATED GLYCOLYSIS PROMOTES THE MIGRATORY CAPACITY OF DENDRITIC CELLS IN TUBERCULOSIS**

MARIANO MAIO<sup>3</sup>; ZOI VAHLAS<sup>2</sup>; JOAQUINA BARROS<sup>3</sup>; JOSE LUIS MARÍN FRANCO<sup>3</sup>; MELANIE GENOULA<sup>3</sup>; FEDERICO FUENTES<sup>3</sup>; ROSA MUSELLA<sup>1</sup>; LORENA CIALLELLA<sup>1</sup>; DOMINGO PALMERO<sup>1</sup>; GEANNCARLO LUGO VILLARINO<sup>2</sup>; OLIVIER NEYROLLES<sup>2</sup>; MARIA DEL CARMEN SASIAIN<sup>3</sup>; CHRISTEL VEROLLET<sup>2</sup>; LUCIANA BALBOA<sup>3</sup>; 1. Hospital F.J. Muñiz; 2. Institut de Pharmacologie et de Biologie Structurale, Université de Toulouse, CNRS; 3. Instituto de Medicina Experimental (IMEX)-CONICET, Academia Nacional de Medicina;

**ID046 - HIF2A SIGNALING PATHWAY IN MYELOID LEUKOCYTES PROMOTES SUSCEPTIBILITY TO INFECTION WITH MYCOBACTERIUM TUBERCULOSIS**

JOSEANA DE OLIVEIRA; MARINA BONIFÁCIO DENADAI; VÂNIA LUIZA DEPERON BONATO; DIEGO LUIS COSTA;  
Faculdade de Medicina de Ribeirão Preto - Universidade de São Paulo;

**ID047 - HIGH LEVELS OF SERUM GLYCANS MONOVALENT IGG IMMUNE COMPLEXES DETECTED BY DISSOCIATIVE ELISA IN EXPERIMENTAL VISCERAL LEISHMANIASIS**

CAMILA APARECIDA DE CARVALHO<sup>1</sup>; THIAGO FIDELIS FERRÃO<sup>2</sup>; FLÁVIA REGINA NOVAIS DE FREITAS<sup>2</sup>; HEITOR FRANCO DE ANDRADE JÚNIOR<sup>1</sup>; 1. FACULDADE DE MEDICINA DA UNIVERSIDADE DE SÃO PAULO; 2. INSTITUTO DE MEDICINA TROPICAL DA UNIVERSIDADE DE SÃO PAULO;

**ID048 - HIGHER SELPLG EXPRESSION AND TOTAL LEUKOCYTE COUNT ARE ASSOCIATED WITH SEVERITY IN COVID-19 PATIENTS**

FABIANE DA SILVA REIS GOES; NÍVIA NONATO SILVA; TAIANE DE MACÉDO GONDIM; SORAYA CASTRO TRINDADE; ROBERTO JOSÉ MEYER NASCIMENTO; VITOR ANTONIO FORTUNA; Universidade Federal da Bahia;

**ID049 - HLA-G ALLELES IN ASSOCIATION WITH HSV-1 PLACENTAL INFECTION IN SOUTHERN BRAZIL**

VANUSA POUSADA DA HORA1; MICHELE TORNATORE2; SUÉLEN C. AMARAL4; GISELE R. DE OLIVEIRA3; BRUNNA M. ALVES3; FABIANA FINGER-JARDIM1; EMILIANA C. AVILA1; ANDRESSA F. PIVATO2; ADRIANO R. OLIVEIRA1; KAREN SÁNCHEZ-LUQUEZ1; RUBENS C. LOBATO1; ESMERALDA SOARES3; CARLA VITOLA GONÇALVES2; ANA MARIA B. DE MARTINEZ2; MARCELO A. SOARES3; 1. FURG; 2. Furg; 3. INCA; 4. UFPel;

**ID050 - HOST-PATHOGEN TRANSCRIPTOMICS BY DUAL RNA-SEQ AND PROTEOMIC APPROACH REVEAL AN EFFECTIVE AND REGULATED IMMUNE RESPONSES AS WELL AS NEW FUNGAL VIRULENCE FACTORS IN LUNG GRANULOMA OF MURINE PARACOCCIDIOIDOMYCOSIS**

BRUNO MONTANARI BORGES2; RAFAEL BERTON CORREIA RAMOS2; NYCOLAS WILLIAN PREITE2; VALÉRIA DE LIMA KAMINSKI2; PATRICIA ALVES DE CASTRO1; GUSTAVO HENRIQUE GOLDMAN1; FLÁVIO VIEIRA LOURES2; 1. Faculdade de Ciências Farmacêuticas de Ribeirão Preto, Universidade de São Paulo; 2. Science and Technology Institute, Federal University of São Paulo.;

**ID051 - HUMORAL IMMUNE RESPONSE IN PEOPLE LIVING WITH HIV-1 HOSPITALIZED WITH SEVERE COVID-19**

PRISCILA ALVES CEZARI1; THAIS FREITAS BARRETO FERNANDES4; MARCOS GUSTAVO ARAÚJO SCHWARZ3; LEILA DE MENDONÇA LIMA3; KARINE VENEGAS MACIEIRA4; MILENA NEIRA-GOULART4; NATHÁLIA BEATRIZ RAMOS DE SÁ4; ANDRESSA DA SILVA CAZOTE4; KIM MATTOS GERALDO2; MARIA PIA DINIZ RIBEIRO2; BEATRIZ GRINSZTEJN2; VALDILÉA G. VELOSO2; SANDRA WAGNER CARDOSO2; CARMEM BEATRIZ WAGNER GIACOIA-GRIPP4; FERNANDA HELOISE CÔRTESE4; MONICK LINDENMEYER GUIMARÃES4; MARIZA GONÇALVES MORGADO4; JOSÉ HENRIQUE PILOTTO4; DALZIZA VICTALINA DE ALMEIDA4; 1. Laboratory of AIDS & Molecular Immunology, Oswaldo Cruz Institute, FIOCRUZ; 2. Laboratory of Clinical Research on STD/AIDS, National Institute of Infectology Evandro Chagas, FIOCRUZ, Rio de Janeiro, Brazil; 3. Laboratory of Functional Genomics and Bioinformatics, Oswaldo Cruz Institute, FIOCRUZ; 4. Laboratory of AIDS & Molecular Immunology, Oswaldo Cruz Institute, FIOCRUZ;

**ID052 - IDENTIFICATION OF A BONE MARROW MACROPHAGES SUBPOPULATION WITH HIGHER PHAGOCYTOSIS OF MYCOBACTERIUM TUBERCULOSIS**

CAROLINA ETO2; BIANCA H BECK2; GABRIELA LUIZ2; HERNANDEZ MOURA SILVA1; EDUARDA LAIS MUNARI2; MARICK STARICK2; LUCAS ZANON MASCARIN2; DANIEL AUGUSTO GASPARIN BUENO

MENDES2; ANDRÉ LUIS BARBOSA BÁFICA2;

1. Massachusetts Institute of Technology; 2. Universidade Federal de Santa Catarina;

**ID053 - IDENTIFICATION OF THE IMMUNE PROFILE RELATED TO THE DIFFERENTIAL RESPONSES AND OUTCOMES OF IDENTICAL MICE TO SEPSIS**

GUILHERME CESAR MARTELOSSI CEBINELLI2; PAULA BARBIM DONATE2; DANIELE CARVALHO BERNARDO NASCIMENTO2; LUIS EDUARDO ALVES DAMASCENO2; AMANDA CURTO TAVARES2; CLEYSON DA CRUZ OLIVEIRA BARROS1; ANTONIO ÉDSON ROCHA OLIVEIRA2; ANDRÉ NICOLAU AQUIME GONÇALVES2; HELDER TAKASHI IMOTO NAKAYA2; THIAGO MATTAR CUNHA2; JOSÉ CARLOS FARIAS ALVES-FILHO2; FERNANDO DE QUEIROZ CUNHA2; 1. Ribeirão Preto Medical School - University of São Paulo; 2. USP- FMRP;

**ID054 - IMMUNE TRAITS OF RESISTANCE AND DISEASE TOLERANCE IN COVID-19**

ELENA MONTES COBOS2; VICTORIA CÔRTESE BASTOS2; GUILHERME SANT'ANNA DE LIRA2; CLARICE MONTEIRO RODRIGUES SANTOS2; HEINY DELCIENE DE PINA FERNANDES2; CLARICE DE SOUZA CONSTANCIO2; DANIELLE APARECIDA SOUSA RODRIGUES2; ANDREZA MOREIRA DOS SANTOS GAMA2; VINICIUS MENDES VIDAL2; LETICIA DA SILVA ALVES2; VICTOR AKIRA OTA2; LAURA ZALCBERG RENAULT2; ISABELLA DE CARVALHO LEITÃO2; AMILCAR TANURI2; ORLANDO DA COSTA FERREIRA JÚNIOR2; DOMINIQUE KAISERLIAN1; TEREZINHA MARTA PEREIRA PINTO CASTIÑEIRAS2; ANDRÉ MACEDO VALE2; JULIANA ECHEVARRIA LIMA2; MARCELO TORRES BOZZA2; 1. French Institute of Health and Medical Research; 2. Universidade Federal do Rio de Janeiro;

**ID055 - "IMMUNOGENETICS PROFILES" IN A YOUNG ADULT MONOZYGOTIC TWIN PAIR FOLLOWING SIMULTANEOUS CRITICAL COVID-19"**

MONÍZE V. R. SILVA1; MATEUS V. DE CASTRO1; FLAVIA B. SOARES1; VIVIAN R. CÓRIA1; MICHEL S. NASLAVSKY1; MARILIA O. SCLIAIR1; ERICK C. CASTELLI3; KEITY S. SANTOS2; EDECIO CUNHA-NETO2; MAYANA ZATZ1; 1. Human Genome and Stem Cell Research Center, University of São Paulo; 2. Laboratório de Imunologia, Instituto do Coração (InCor), LIM 19, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo; 3. Molecular Genetics and Bioinformatics Laboratory Experimental Research Unit (Unipex), School of Medicine, São Paulo State University (UNESP);

**ID056 - IMMUNOLocalIZATION OF ANTIBODIES AND CYTOKINES IN MICE TREATED WITH ITRACONAZOLE AND CELECOXIB IN AN EXPERIMENTAL MODEL OF PARACOCCIDIOIDOMYCOSIS**

EVA BURGER; LAUANA APARECIDA SANTOS; JULIANNE CARAVITA GRISOLIA; BRUNO JOSÉ NASCIMENTO GOMES; VITOR ROBERTO DE SOUZA; UNIFAL-MG;

**ID057 - IMMUNOLocalIZATION OF THE MEROZOITE SURFACE PROTEIN-1 (MSP1) ON BLOOD STAGES OF PLASMODIUM VIVAX PARASITE USING IGG ANTIBODIES FROM INDIVIDUALS LIVING IN A LOW MALARIA TRANSMISSION AREA, BRAZIL.**

LILIAN JÉSSICA PASSOS DE LIMA2; ANA MARIA REVOREDO VENTURA1; MARINETE MARINS PÓVOA1; EDILENE OLIVEIRA DA SILVA2; MARISTELA GOMES CUNHA2;

1. Instituto Evandro Chagas; 2. Universidade Federal do Pará;

**ID058 - IMMUNOLOGICAL DIFFERENCES IN COVID-19 CHILDREN INFECTED BY OMICRON**

LAURA ZALCBERG RENAULT; CLARICE M R SANTOD; ELENA MONTES-COBOS; CLARICE S CONSTÂNCIO; HEINY DP FERNANDES; HELENA T SCHEID; VICTORIA C BASTOS; DANIELLE AS RODRIGUES; GUILHERME S LIRA; AMILCAR TANURI; ORLANDO DC FERREIRA; ANDRÉ M VALE; ELAINE S COSTA; THEREZINHA M CASTIÑEIRAS; JULIANA ECHEVARRIA-LIMA; MARCELO T BOZZA; UFRJ;

**ID059 - IMMUNOSENESCENCE AND CELLULAR EXHAUSTION TRANSCRIPTIONAL SIGNATURES ARE CO-EXPRESSED IN HUMAN TEGUMENTARY LEISHMANIASIS**

CARLOS HENRIQUE FANTECELLE1; LUCIANA POLACO COVRE1; HERBERT LEONEL DE MATOS GUEDES2; ARNE AKBAR3; DANIEL CLÁUDIO OLIVEIRA GOMES2;

1. Universidade Federal do Espírito Santo; 2. Universidade Federal do Rio de Janeiro; 3. University College London;

**ID060 - "IN VITRO INFECTION RATE AND INTRACYTOPLASMIC CYTOKINE PROFILE INDUCED AFTER INFECTION OF HUMAN HEMATOPOIETIC STEM CELLS BY DISTINCT GENETIC GROUPS (TCI, TCII, AND TCVI) OF TRYPANOSOMA CRUZI"**

MARINA MALHEIROS ARAÚJO SILVESTRINI1; GLAUCIA DINIZ ALESSIO1; MÁRCIO SOBREIRA SILVA ARAÚJO1; POLICARDO ADEMAR SALES JÚNIOR1; OLINDO ASSIS MARTINS-FILHO1; HELEN RODRIGUES MARTINS2; ANDRÉA TEIXEIRA-CARVALHO1;

1. Instituto René Rachou, Fundação Oswaldo Cruz, Fiocruz Minas; 2. Universidade Federal dos Vales do Jequitinhonha e Mucuri, Diamantina – Minas Gerais;

**ID061 - IN VITRO PREVENTIVE TREATMENT WITH OM-85 PROTECTS AGAINST RESPIRATORY SYNCYTIAL VIRUS INFECTION THROUGH MODULATION OF TYPE I INTERFERON PATHWAY**

SOFIA GIACOMET BORGES2; KRIST HELEN ANTUNES2; RENATO TETELBOM STEIN2; CHRISTIAN PASQUALI1; ANA PAULA DUARTE DE SOUZA2;

1. OM PHARMA; 2. PUCRS;

**ID062 - IN VITRO VITAMIN D-INDUCED CYTOKINE PRODUCTION IN CHAGAS DISEASE: EVALUATION OF CULTURE TIME KINETICS**

KAMILA KÁSSIA DOS SANTOS OLIVEIRA1; CÍNTIA NASCIMENTO DA COSTA OLIVEIRA1; ANA CARLA DA SILVA1; MARIA DA GLÓRIA AURLIANO MELO CAVALCANTE2; CAROLINA DE ARAUJO MEDEIROS2; MARIA DA PIEDADE COSTA REIS DE ALBUQUERQUE2; DIEGO JOSÉ LIRA TORRES3; MICHELLE DA SILVA BARROS1; LEYLLANE RAFAEL MOREIRA3; CLAUDEIR DIAS DA SILVA JUNIOR3; WILSON ALVES DE OLIVEIRA JUNIOR2; VIRGINIA MARIA BARROS DE LORENA1;

1. FIOCRUZ Pernambuco; 2. PROCAPE; 3. Universidade Federal de Pernambuco;

**ID063 - INCREASED EXPRESSION OF TYPE 1 INTERFERON RECEPTOR AND INTERLEUKIN 17-A ASSOCIATED WITH SEVERITY IN COVID-19.**

NÍVIA NONATO SILVA2; FABIANE DA SILVA REIS GÓES2; TAIANE GONDIM2; RICARDO GASSMANN FIGUEIREDO1; ROBERTO JOSÉ MEYER2; SORAYA CASTRO TRINDADE1; VITOR FORTUNA2; SILVIA LIMA COSTA2;

1. Universidade Estadual de Feira de Santana; 2. Universidade Federal da Bahia;

**ID064 - INCREASED NADASE ACTIVITY IN THE BRAIN DURING ZIKA VIRUS INFECTION IN NEONATE MICE: POSSIBLE IMPACT OF NAD METABOLISM IN THE IMMUNE RESPONSE AND THE PATHOGENESIS OF NEUROINFECTION**

GEÓRGIA DO NASCIMENTO SARAIVA; JULIANNA DIAS ZEIDLER; EMANUELLE VASCONCELLOS DE LIMA; TAMIRES ROCHA DA SILVA; MATHEUS ATELLA DE OLIVEIRA; MARINA SANTOS CHICHIERCHIO; STEFANY ALEXANDRE BEZERRA; JULIA CLARKE; GISELLE FAZZIONI PASSOS; JULIANA CAMACHO PEREIRA; ANDREA THOMPSON DA POIAN;

UFRJ;

**ID065 - INDOLEAMINE 2,3 DIOXYGENASE IS IMPORTANT FOR THE MAINTENANCE OF CELL METABOLIC ACTIVITY IN SCHWANN CELLS STIMULATED WITH MYCOBACTERIUM LEPRAE.**

ATTA UR RAHMAN2; MARIANA MARTINS DE ATHAIDE2; TATIANA PEREIRA DA SILVA2; CRISTIANA SANTOS DE MACEDO1; MÁRCIA MARIA JARDIM RODRIGUES2; ROBERTA OLMO PINHEIRO2;

1. Cellular Microbiology Laboratory, Institute Oswaldo Cruz, Oswaldo Cruz Foundation, Fiocruz, Rio de Janeiro, Brazil; 2. Leprosy Laboratory, Institute Oswaldo Cruz, Oswaldo Cruz Foundation, Fiocruz, Rio de Janeiro, Brazil.;

**ID066 - INFLAMMASOME ACTIVATION IN THE LEPROSY NEUROPATHY**

MARIANA MARTINS DE ATHAIDE2; ADRIELLE FERREIRA RIBEIRO SANTOS2; MÁRCIA MARIA JARDIM RODRIGUES1; ROBERTA OLMO PINHEIRO2;

1. Department of Neurology, State University of Rio de Janeiro; 2. Leprosy Laboratory, Oswaldo Cruz Institute, Oswaldo Cruz Foundation;

**ID067 - INFLAMMATORY RESPONSE TO COVID-19 IN OVERWEIGHT PATIENTS FROM ENDEMIC AND NON-ENDEMIC AREA FOR INFECTIOUS DISEASE**

GIOVANNA CALIMAN CAMATTA<sup>3</sup>; LARISSA OLIVEIRA DE ASSIS<sup>3</sup>; LUCAS HANIEL ARAÚJO VENTURA<sup>3</sup>; CECÍLIA HORTA RAMALHO PINTO<sup>3</sup>; GABRIELA SILVEIRA-NUNES<sup>2</sup>; HUGO ITARU SATO<sup>3</sup>; PAULINE MARTINS LEITE BORGES<sup>2</sup>; GIULIA MARILAC TEIXEIRA DA SILVA<sup>2</sup>; HENRIQUE RESENDE SANTIAGO<sup>2</sup>; ÉVINY KNUPP DA SILVA<sup>2</sup>; LETÍCIA BARRETO COURA<sup>2</sup>; MURILO COSTA SOARES<sup>3</sup>; ELAINE SPEZIALI<sup>1</sup>; SANTUZA MARIA RIBEIRO TEIXEIRA<sup>3</sup>; UNAI TUPINAMBÁS<sup>3</sup>; ANDREA TEIXEIRA CARVALHO<sup>1</sup>; ANA MARIA CAETANO FARIAS<sup>3</sup>;

1. Instituto de Pesquisa Rene Rachou, Fundação Oswaldo Cruz; 2. Universidade Federal de Juiz de Fora; 3. Universidade Federal de Minas Gerais;

**ID068 - INTEGRATIVE INFLAMMATORY AND METABOLIC PHENOTYPES OF SEVERITY, FATALITY AND RECOVERY OF COVID-19**

LUIZ GUSTAVO GARDINASSI<sup>4</sup>; CAROLINA DO PRADO SERVIAN<sup>4</sup>; GESIANE DA SILVA LIMA<sup>5</sup>; DÉBORAH CAROLINA CARVALHO DOS ANJOS<sup>4</sup>; ANTONIO ROBERTO GOMES JUNIOR<sup>4</sup>; ADRIANA OLIVEIRA GUILARDE<sup>4</sup>; MOARA ALVES SANTA BÁRBARA BORGES<sup>4</sup>; GABRIEL FRANCO DOS SANTOS<sup>5</sup>; BRENDA GRAZIELLI NOGUEIRA MORAES<sup>2</sup>; JOÃO MARCOS MAIA SILVA<sup>4</sup>; LETÍCIA CARRIJO MASSON<sup>4</sup>; FLÁVIA PEREIRA DE SOUZA<sup>4</sup>; RODOLFO RODRIGUES DA SILVA<sup>5</sup>; GIOVANNA LOPES DE ARAÚJO<sup>5</sup>; MARCELLA FERREIRA RODRIGUES<sup>5</sup>; LIDYA CARDOZO DA SILVA<sup>5</sup>; SUELI MEIRA<sup>4</sup>; FABIOLA SOUZA FIACCADORI<sup>4</sup>; MENIRA SOUZA<sup>4</sup>; PEDRO ROOSEVELT TORRES ROMÃO<sup>6</sup>; MÔNICA SPADAFORA-FERREIRA<sup>3</sup>; VERÔNICA COELHO<sup>1</sup>; ANDRÉA RODRIGUES CHAVES<sup>5</sup>; ROSINEIDE COSTA SIMAS<sup>5</sup>; BONIEK GONTIJO VAZ<sup>5</sup>; SIMONE GONÇALVES FONSECA<sup>4</sup>;

1. Faculdade de Medicina, Universidade de São Paulo; 2. Hospital das Clínicas, Universidade Federal de Goiás; 3. Instituto Butantan; 4. Instituto de Patologia Tropical e Saúde Pública, Universidade Federal de Goiás; 5. Instituto de Química, Universidade Federal de Goiás; 6. Universidade Federal de Ciências da Saúde de Porto Alegre;

**ID069 - INVESTIGATING THE ROLE OF M6A MRNA MODIFICATION DURING LEISHMANIA MACROPHAGE INFECTION**

ANELISE GONÇALVES MARINO; NILMAR SILVIO MORETTI; BRUNO SOUZA BONIFÁCIO; ROGERIA CRISTINA ZAULI; PATRÍCIA XANDER BATISTA; CLARA LÚCIA BARBIÉRI MESTRINER; UNIFESP;

**ID070 - INVESTIGATION OF AXL RECEPTOR IMPLICATION IN MALARIA IMMUNOPATHOGENESIS**

NATHALIA PEREIRA<sup>1</sup>; KELY MATEUCCI<sup>2</sup>; DIEGO L. COSTA<sup>1</sup>; ANDRÉ CORREA<sup>1</sup>; RICARDO GAZZINELLI<sup>2</sup>;

1. FMRP/USP; 2. Plataforma de Medicina Translacional da Fundação Oswaldo Cruz;

**ID071 - IS A NEGATIVE CORRELATION BETWEEN STNFR1 AND TNF IN PATIENTS WITH CHRONIC CHAGAS DISEASE THE KEY TO CLINICAL PROGRESSION?**

DIEGO JOSÉ LIRA TORRES<sup>2</sup>; MICHELLE DA SILVA BARROS<sup>2</sup>; JULIANA PRADO GONÇALESS<sup>5</sup>; ANA KARINE ARAÚJO SOARES<sup>1</sup>; KAMILA KÁSSIA DOS SANTOS OLIVEIRA<sup>2</sup>; LEYLLANE RAFAEL MOREIRA<sup>2</sup>; CAROLINA DE ARAÚJO MEDEIROS<sup>4</sup>; MARIA DA GLORIA AURELIANO MELO CAVALCANTI<sup>4</sup>; SÍLVIA MARINHO MARTINS ALVES<sup>4</sup>; CRISTINA DE FÁTIMA VELLOSO CARRAZONE<sup>4</sup>; WILSON ALVES DE OLIVEIRA JUNIOR<sup>4</sup>; JOSELI LANNES-VIEIRA<sup>3</sup>; VIRGINIA MARIA BARROS DE LORENA<sup>2</sup>;

1. FAV; 2. IAM; 3. IOC; 4. Procape; 5. UFPE;

**ID072 - KINETICS OF IGG1 AND IGM REACTIVITY IN MICE EXPERIMENTALLY INFECTED WITH SCHISTOSOMA MANSONI AND TREATED WITH PRAZIQUANTEL**

CAIO BRANDÃO GOES GOUVEIA; JOÃO GUSTAVO MENDES RODRIGUES; GUILHERME SILVA MIRANDA; DEBORAH APARECIDA NEGRÃO-CORRÊA;

Departamento de Parasitologia, Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais;

**ID073 - LEISHMANIA BRAZILIENSIS EXOSOMES INDUCE THE PRODUCTION OF INFLAMMATORY MEDIATORS IN HUMAN MONONUCLEAR PHAGOCYTES**

FABIO DE CARVALHO PEIXOTO<sup>1</sup>; DALILA LUCIOLA ZANETTE<sup>2</sup>; THIAGO MARCONI CARDOSO<sup>3</sup>; CAYO AMARAL ABREU<sup>3</sup>; PHILLIP SCOTT<sup>4</sup>; EDGAR MARCELINO DE CARVALHO FILHO<sup>1</sup>; LUCAS PEDREIRA DE CARVALHO<sup>1</sup>;

1. Fiocruz Bahia; 2. Instituto Carlos Chagas - Fiocruz Paraná; 3. Instituto Gonçalves Moniz - Fiocruz Bahia; 4. University of Pennsylvania School of Veterinary Medicine;

**ID074 - LEISHMANIA BRAZILIENSIS INFECTION ACTIVATES ATP- BINDING CASSETTE TRANSPORTERS IN HUMAN MACROPHAGES: IMPLICATIONS FOR DRUG RESISTANCE**

MARINA BORGES RABELO DE SANTANA<sup>2</sup>; JAMILÉ SOUZA DO LAGO<sup>2</sup>; EDGAR MARCELINO DE CARVALHO FILHO<sup>1</sup>; LUCAS PEDREIRA DE CARVALHO<sup>2</sup>;

1. Fiocruz Bahia; 2. Universidade Federal da Bahia;

**ID075 - LIPID ACCUMULATION MODULATES DENDRITIC CELL ACTIVATION, INFLAMMATORY RESPONSE AND BACTERIAL BURDEN DURING M. BOVIS BCG INFECTION**

GUILHERME IACK PINHEIRO DA CRUZ<sup>3</sup>; VINÍCIUS CARDOSO SOARES<sup>3</sup>; FILIPE SANTOS PEREIRA DUTRA<sup>1</sup>; PATRÍCIA TORRES BOZZA<sup>1</sup>; MARIA FERNANDA DE SOUZA COSTA SILVA<sup>2</sup>;

1. Fundação Oswaldo Cruz; 2. Universidade Federal Fluminense; 3. Universidade Federal do Rio de Janeiro;



**ID076 - MEMORY B CELL DYNAMICS IN CLINICALLY DISCORDANT CASES AFTER SARS-COV-2 INFECTION**

GABRIELA MACIEL DA SILVA; LUCAS TOSTES COSTA VAZ; VICENTE BALTHAR TORRES BOZZA; ANDREZA MOREIRA DOS SANTOS GAMA; VINICIUS MENDES VIDAL; ELENA VICTORIA MONTES COBOS; JULIANA ECHEVARRIA NEVES DE LIMA; MARCELO TORRES BOZZA; AMILCAR TANURI; ORLANDO C. FERREIRA JR; TEREZINHA MARTA PEREIRA PINTO CASTINEIRAS; DANIELLE A.S. RODRIGUES; LUCIANA CONDE RODRIGUES MAIA; ALBERTO FELIX NÓBREGA; ANDRÉ MACEDO VALE;

Universidade Federal do Rio de Janeiro;

**ID077 - MOLECULES ASSOCIATED WITH TISSUE REMODELING IN MONOCYTES FROM INDIVIDUALS WITH PERIORTAL FIBROSIS SECONDARY TO SCHISTOSOMIASIS**

LUCIANA SANTOS CARDOSO2; TARCÍSIO VILA VERDE SANTANA DE ALMEIDA1; JORDANA BATISTA SANTANA2; NESTOR ÁDRIAN GUERRERO GUTIÉRREZ2; SÉRGIO COSTA OLIVEIRA3;

1. Escola Bahiana de Medicina e Saúde Pública; 2. Universidade Federal da Bahia; 3. Universidade Federal de Minas Gerais;

**ID078 - MORPHOLOGICAL AND FUNCTIONAL CHARACTERIZATION OF MYELOID-DERIVED SUPPRESSOR CELLS IN EXPERIMENTAL INFECTION WITH CRYPTOCOCCUS NEOFORMANS**

JOYCE CRISTINA GUIMARÃES DE OLIVEIRA2; BRENDA ALVES DE SOUZA2; ANNA JÚLIA LOPES PIRES2; ISRAEL DINIZ LIMA2; ELIAS BARBOSA DA SILVA JUNIOR2; MATHEUS FREIRE DE LIMA2; DANIELLE OLIVEIRA NASCIMENTO1; LEONARDO FREIRE DE LIMA2; DEBORA DECOTE RICARDO1; HERBERT LEONEL DE MATTOS GUEDES2; CÉLIO GERALDO FREIRE DE LIMA2;

1. Universidade Federal Rural do Rio de Janeiro; 2. Universidade Federal do Rio de Janeiro;

**ID079 - MYELOID-DERIVED SUPPRESSOR CELLS REDUCE TH1/TH17 IMMUNITY AND PROMOTE A MORE SEVERE PULMONARY PARACOCCIDIOIDOMYCOSIS**

NYCOLAS WILLIAN PREITEZ; VALÉRIA DE LIMA KAMINSKI2; BRUNO MONTANARI BORGES2; VERA LÚCIA GARCIA CALICH1; FLÁVIO VIEIRA LOURES2;

1. Institute of Biomedical Science, University of São Paulo; 2. Science and Technology Institute, Federal University of São Paulo;

**ID080 - NAIP/NLRC4 INFLAMMASOME ACTIVATION BY TRYPANOSOMA CRUZI RELIES ON CATHEPSINS**

MARCELO PIRES AMARAL1; FELIPE DANIEL CARDOSO1; INGRID SANCHO DE FARIAS2; ALINE PACHECO DE OLIVEIRA LIMA2; ANA CLAUDIA TROCOLI TORRECILHAS1; KARINA RAMALHO BORTOLUCI1;

1. Universidade Federal de São Paulo (UNIFESP); 2. Universidade de São Paulo (USP);

**IMMUNOPHARMACOLOGY (IP)****IP10 - EFFECTS OF AQUEOUS EXTRACT LEAVES OF PASSIFLORA ALATA CURTIS ON INFLAMMATORY CYTOKINES, NITRIC OXIDE PRODUCTION AND CELL VIABILITY IN LPS-TREATED MACROPHAGES.**

PRISCILA VALENTIM COELHO; LUÍS GUSTAVO ROMANI FERNANDES; RICARDO DE LIMA ZOLLNER; CLAUDIA V. MAURER MORELLI;

STATE UNIVERSITY OF CAMPINAS;

**IP11 - ENDOCANNABINOIDS AND PAF PATHWAY CORRELATION TO THE SYSTEMIC INFLAMMATORY RESPONSE IN COVID-19 PATIENTS**

JONATAN CONSTANÇA SILVA DE CARVALHO1; PEDRO VIEIRA DA SILVA NETO2; DIANA MOTA TORO2; LÚCIA HELENA FACCIOLI1; CARLOS ARTERIO SORGI1;

1. Universidade de São Paulo; 2. Universidade de São Paulo/ Universidade Federal do Amazonas;

**IP12 - EVALUATION OF ANTITUMORAL ACTIVITY OF RESVERATROL ANALOGS AGAINST BREAST CANCER**

LÍVIA BITTENCOURT DOS REIS2; BÁRBARA ELIZABETH RIBEIRO PENIDO2; DANIELLE CRISTINA ZIMMERMANN FRANCO3; MARIANA BOLOTARI2; MARIA CLARA MACHADO RESENDE GUEDES2; ERICK ESTEVES DE OLIVEIRA2; WENDERSON TINORIO DE PAULA1; ADILSON DAVID DA SILVA1; GILSON COSTA MACEDO2;

1. Chemistry Department, Exact Sciences Institute, Federal University of Juiz de Fora; 2. IMUNOCET, Department of Parasitology, Microbiology and Immunology, Biological Sciences Institute, Federal University of Juiz de Fora; 3. University Center Presidente Antônio Carlos, Juiz de Fora;

**IP13 - EVALUATION OF TICK ANTIMICROBIAL PEPTIDES BY THE TRANSCRIPTOMIC ANALYSIS OF DEFENSINAS IN RHIPICEPHALUS MICROPLUS SALIVA**

MARINA PRIOLO GREJO; THALES EDUARDO GALDINO ANDRADE; RENAN DE SOUZA BIN; ISABEL KINNEY FERREIRA DE MIRANDA SANTOS;

Ribeirão Preto School of Medicine, University of São Paulo;

**IP14 - IGBP-C AS A NEGATIVE REGULATOR OF THE ANGIOGENESIS PROCESS.**

RENAN DE SOUZA BIN; THALES GALDINO DE ANDRADE; MARINA PRIOLO GREJO; ISABEL KINNEY FERREIRA DE MIRANDA SANTOS; FMRP-USP;



IP15 - ***IN SILICO ANALYSIS OF MOLECULAR INTERACTIONS AND BINDING AFFINITIES OF SESQUITERPENES ON THE INFLAMMATORY TARGETS IL-6 AND TNF-A IN THE IMMUNOMODULATION OF NEUROINFLAMMATION***

IVERSON CONRADO BEZERRA; AMANDA ONDURAS DE ANDRADE; ARTUR JOSÉ DA SILVA; ISABEL CRISTINA OLIVEIRA FERNANDES; MILENA FERREIRA DE LIMA; PRISCILA GUBERT; Universidade Federal de Pernambuco;

IP16 - ***IN SILICO MOLECULAR INTERACTION OF ENTEROLOBIUM CONTORTILIQUM TRYPSIN INHIBITOR (ECTI) AND PROSTATE CANCER METASTASIS MEDIATOR CYTOKINES***

ISABEL CRISTINA OLIVEIRA FERNANDES<sup>1</sup>; IVERSON CONRADO BEZERRA<sup>1</sup>; PRISCILA GUBERT<sup>1</sup>; MILENA FERREIRA LIMA<sup>1</sup>; ARTUR JOSÉ DA SILVA<sup>1</sup>; MARIA LUIZA VILELA OLIVA<sup>2</sup>; CLOVIS MACÊDO BEZERRA FILHO<sup>2</sup>;  
1. Universidade Federal de Pernambuco; 2. Universidade Federal de São Paulo (UNIFESP);

IP17 - ***IN SILICO PREDICTION AND IN VITRO STUDY OF SYDNONES AND CHALCONE-THIOSEMICARBAZONES EFFECTS ON HTLV-1-INFECTED CELLS***

MARIA CLARA SALGADO CAMPOS<sup>2</sup>; IGOR RESENDES BARBOSA<sup>1</sup>; AUREA ECHEVARRIA<sup>1</sup>; JULIANA ECHEVARRIA-LIMA<sup>2</sup>;  
1. Universidade Federal Rural do Rio de Janeiro; 2. Universidade Federal do Rio de Janeiro;

IP18 - ***INCREASED PLATELET ACTIVATION DURING CHIKUNGUNYA INFECTION***

ISACLAUDIA GOMES DE AZEVEDO QUINTANILHA<sup>1</sup>; MARIANA MACEDO CAMPOS<sup>1</sup>; ANA PAULA TEXEIRA MONTEIRO<sup>1</sup>; ANDREA SURRAGE CALHEIROS<sup>1</sup>; DOUGLAS MATHIAS OLIVEIRA<sup>1</sup>; SUELEN SILVA GOMES DIAS<sup>1</sup>; VINICIUS CARDOSO SOARES<sup>1</sup>; JULIA DA CUNHA SANTOS<sup>1</sup>; THIAGO MORENO SOUZA LOPES<sup>1</sup>; EUGENIO DAMACENO HOTTZ<sup>2</sup>; FERNANDO AUGUSTO BOZZA<sup>1</sup>; PATRICIA TORRES BOZZA<sup>1</sup>;  
1. FIOCRUZ; 2. UFJF;

IP19 - ***INVOLVEMENT OF COMPONENTS OF THE TRYPTOPHAN PATHWAY IN THE ANTI-NEUROINFLAMMATORY EFFECTS OF FLAVONOID AGATHISFLAVONA***

DEIVISON SILVA ARGOLLO; SILVIA LIMA COSTA; MARIA DE FATIMA DIAS COSTA; UNIVERSIDADE FEDERAL DA BAHIA;

## IMMUNOREGULATION (IR)

IR17 - ***EFFECTS OF CYANIDIN-3-GLUCOSIDE IN THE SECRETOME OF MESENCHYMAL STEM CELLS***

SUMARA DE FREITAS; EDSON NAOTO MAKIYAMA; BRUNA ROBERTA OLIVEIRA NEVES; CARLOS EDUARDO DA SILVA GONÇALVES; RICARDO AMBRÓSIO FOCK; Department of Clinical and Toxicology Analyses, School of Pharmaceutical Sciences, University of São Paulo - USP;

IR18 - ***EXHAUSTIVE EXERCISE-INDUCED METABOLIC AND INFLAMMATORY RESPONSE IS DISTURBED VIA TLR-4 PATHWAY***

FABIO SANTOS LIRA<sup>2</sup>; CAROLINA CABRAL-SANTOS<sup>2</sup>; CAMILA SOUZA PADILHA<sup>2</sup>; JOSÉ CESAR ROSA-NETO<sup>1</sup>;  
1. USP; 2. Unesp;

IR19 - ***EXPRESSION PROFILE OF MAC-1 AND VLA-4 CELL ADHESION MOLECULES IN PULMONARY EOSINOPHILS AND MACROPHAGES IN MOUSE EXPERIMENTAL MODEL OF BYSTANDER SUPPRESSION.***

JÚLIA MARTINS LOTHER; LEONARDO ANTÔNIO BENEDITO MAINENTE; RICARDO DE LIMA ZOLLNER; LUÍS GUSTAVO ROMANI FERNANDES;  
Unicamp;

IR20 - ***EXTRACELLULAR VESICLES DIRECTLY INHIBIT T CELL ACTIVATION – A CANCER IMMUNE ESCAPE MECHANISM***

JORDY ALEXANDER LARCO LASSO<sup>2</sup>; LORRAYNNE LETYCIA PRADO DA CRUZ<sup>2</sup>; LUCIANA NORIEGA<sup>1</sup>; ANA PAULA LEPIQUE<sup>2</sup>;  
1. ICESP; 2. USP;

IR21 - ***FEEDING WITH LACTOCOCCUS LACTIS EXPRESSING HSP65 INDUCES REGULATORY T CELLS IN PANCREATIC LYMPH NODE AND CONTROLS HYPERGLYCEMIA IN MICE WITH TYPE 1 DIABETES***

JEFFERSON ELIAS-OLIVEIRA; VANESSA FERNANDES RODRIGUES; ÍTALO SOUSA PEREIRA; SARA CÂNDIDA BARBOSA; MELISSA SANTANA GONSALEZ MACHADO; JÉSSICA ASSIS PEREIRA; DANIELA CARLOS;  
FMRP-USP;

**IR22 - GENETICALLY MODIFIED LACTOCOCCUS LACTIS INDUCES ORAL TOLERANCE AND PREVENTS FOOD ALLERGY TO B-LACTOGLOBULIN IN MICE**

YURI MÁRCIO CAMPOS BARBOSA<sup>2</sup>; MARIANA DE ALMEIDA OLIVEIRA<sup>2</sup>; HELDER CARVALHO<sup>2</sup>; LUISA LEMOS<sup>2</sup>; JULIANA DE LIMA<sup>2</sup>; LÍCIA TORRES<sup>2</sup>; ANA CRISTINA GOMES-SANTOS<sup>1</sup>; TATIANI UCELI MAIOLI<sup>4</sup>; VASCO AZEVEDO<sup>3</sup>; JEAN-MARC CHATEL<sup>5</sup>; ANA MARIA CAETANO DE FARIA<sup>2</sup>;

1. CENTRO UNIVERSITÁRIO UNA, BELO HORIZONTE, MG BRASIL.; 2. DEPARTAMENTO DE BIOQUÍMICA E IMUNOLOGIA, INSTITUTO DE CIÊNCIAS BIOLÓGICAS, UNIVERSIDADE FEDERAL DE MINAS GERAIS, BELO HORIZONTE, MG, BRASIL.; 3. DEPARTAMENTO DE GENÉTICA ECOLOGIA E EVOLUÇÃO, INSTITUTO DE CIÊNCIAS BIOLÓGICAS, UNIVERSIDADE FEDERAL DE MINAS GERAIS, BELO HORIZONTE, MG, BRASIL.; 4. DEPARTAMENTO DE NUTRIÇÃO, ESCOLA DE ENFERMAGEM, UNIVERSIDADE FEDERAL DE MINAS GERAIS, BELO HORIZONTE, MG, BRASIL.; 5. FOOD IMMUNOALLERGY LABORATORY, INRA-CEA, DRM-SPI, CEA DE SACLAY, GIF SUR YVETTE, FRANCE.;

**IR23 - HEXOSAMINE BIOSYNTHETIC PATHWAY/OGT AS A NUTRIENT SENSOR FOR CONTROL OF TREGS STABILITY DURING OBESITY AND INSULIN RESISTANCE DEVELOPMENT**

PAULO DE MELO<sup>2</sup>; CESAR SPECK<sup>1</sup>; GABRIELLE ADRIANI MELO MARCELINO<sup>2</sup>; TIM SPARWASSER<sup>3</sup>; FERNANDO DE QUEIROZ CUNHA<sup>2</sup>; JOSÉ CARLOS ALVES-FILHO<sup>2</sup>; LUIZ OSÓRIO SILVEIRA LEIRIA<sup>2</sup>;

1. FCFRP-USP; 2. FMRP-USP; 3. Twincore Hannover;

**IR24 - IL-1A REDUCES THE PULMONARY INFLAMMATION AND THE SUSCEPTIBILITY TO M. TUBERCULOSIS INFECTION IN THE CONTEXT OF OBESITY**

VINÍCIUS BOTTURA APOLLONIZ; RÔMULO SILVA DE OLIVEIRA<sup>1</sup>; UALTER G. CIPRIANO<sup>2</sup>; GISELI F. CORREA<sup>2</sup>; THAIS F. SILVA<sup>2</sup>; ANA FLÁVIA GEMBRE<sup>2</sup>; DIEGO LUIS COSTA<sup>2</sup>; VÂNIA L. D. BONATO<sup>2</sup>;

1. Helmholtz Center for Infection Research; 2. Universidade de São Paulo - USP;

**IR25 - IMMUNOMODULATION ROLE OF C57BL/6 MURINE ENDOMETRIAL MESENCHYMAL STEM CELLS-DERIVED EXTRACELLULAR VESICLES IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS MODEL**

Laura Caroline de Faria; Carolina Manganeli Polonio; Tiago Francisco da Silva; Jonathan Miguel Zanatta; Lilian Gomes de Oliveira; Yan de Souza Angelo; Patrick da Silva; Sandra Marcia Muxel; Jean Pierre Schatzmann Peron; USP;

**IR26 - IMMUNOMODULATORY AND NEUROPROTECTOR EFFECTS OF TITYUS SERRULATUS TOXIN MIMETIC PEPTIDES DURING EXPERIMENTAL SEVERE MALARIA**

SAMUEL LUIZ TEIXEIRA PORTO; LAURA LIS DE OLIVEIRA SANTOS; CÉSAR LUÍS NASCIMENTO BARBOSA; FERNANDO BENRO

RODRIGUES OLIVEIRA; DIEGO RODNEY RODRIGUES DE ASSIS; REMO CASTRO RUSSO; FABIANA SIMAO MACHADO; PAULO GAIO LEITE; ALLYSSON THIAGO CRAMER SOARES; RAYANE APARECIDA NONATO RABELO; RAFAELA DAS DORES PEREIRA; NATALIA FERNANDA DE MELO OLIVEIRA; UFMG;

**IR27 - IMMUNOMODULATORY POTENTIAL OF THE RESVERATROL ANALOG AR23, IN DENDRITIC CELLS.**

MARIANA BOLOTARI; MARIA CLARA MACHADO RESENDE GUEDES; LUANA CERQUEIRA ESTEVES; ERICK ESTEVES DE OLIVEIRA; RAISSA SOARES MEINEL; ADILSON DAVID DA SILVA; GILSON COSTA MACEDO;

Universidade Federal de Juiz de Fora;

**IR28 - IMPACT OF MYGALIN ON THE INFLAMMATORY RESPONSE INDUCED BY TLR2 AGONISTS**

NAYARA DANIELLI DEL SANTOS; ELIZABETH MENDES; PEDRO ISMAEL DA SILVA JÚNIOR; MONAMARIS MARQUES BORGES; Instituto Butantan;

**IR29 - IMPACT OF STING SIGNALING PATHWAY ON THE DIFFERENTIATION AND FUNCTION OF REGULATORY T CELLS**

CAROLINE VITÓRIA DE OLIVEIRA; LUIS EDUARDO A. DAMASCENO; MARCOS HENRIQUE ROSA; THIAGO MATTAR CUNHA; FERNANDO DE QUEIROZ CUNHA; JOSÉ CARLOS ALVES-FILHO; Ribeirão Preto Medical School, University of São Paulo (FMRP-USP);

**IR30 - INDIVIDUALS LIVING IN ENDEMIC AREA FOR INFECTIOUS DISEASES PRESENT ACCELERATED EPIGENETIC AGING**

MONIQUE MACEDO COELHO<sup>5</sup>; DANIELLE FERNANDES DURSOS<sup>5</sup>; GABRIELA SILVEIRA-NUNES<sup>4</sup>; GIOVANNA CALIMAN CAMATTAS<sup>5</sup>; LUCAS HANIEL VENTURA<sup>5</sup>; LEANDRO SOUZA NASCIMENTOS<sup>5</sup>; FELIPE CAIXETA<sup>5</sup>; ELOÍSA HELENA MEDEIROS CUNHA<sup>7</sup>; ALEXANDRE CASTELO-BRANCO<sup>1</sup>; DENISE MORAIS FONSECA<sup>6</sup>; TATIANI UCELI MAIOLI<sup>5</sup>; ANDREA TEIXEIRA-CARVALHO<sup>2</sup>; CLAUDIA SALA<sup>8</sup>; MARIA GIULIA BACALINI<sup>8</sup>; PAULO GARAGNANI<sup>8</sup>; CHRISTINE NARDINI<sup>8</sup>; CLAUDIO FRANCESCHI<sup>3</sup>; ANA MARIA CAETANO FARIAS<sup>5</sup>;

1. Centro de Referência em Doenças Endêmicas e Programas Especiais; 2. Fundação Oswaldo Cruz; 3. Lobachevsky State University of Nizhny Novgorod; 4. UFJF; 5. UFMG; 6. USP; 7. Universidade do Vale do Rio Doce; 8. Università di Bologna;

**IR31 - INFLAMMATION MEDIATED BY SMOKING AND IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE IS SHOWN TO BE CONTROLLED BY A NEW ENZYME INHIBITOR**

ALBERTO GABRIEL BORGES FELIPE<sup>2</sup>; CAMILA BOTELHO MIGUEL<sup>1</sup>; MELISSA CARVALHO MARTINS DE ABREU<sup>1</sup>; CARLO JOSÉ FREIRE DE OLIVEIRA<sup>2</sup>; WELLINGTON FRANCISCO RODRIGUES<sup>2</sup>;

1. CENTRO UNIVERSITÁRIO DE MINEIROS, UNIFIMES; 2. UNIVERSIDADE FEDERAL DO TRIÂNGULO MINEIRO, UFTM;

**IR32 - INFLUENCE OF OBESITY ON THE MECHANISMS OF PERIPHERAL TOLERANCE AND ON THE MODULATION OF IMMUNE RESPONSE IN THE SMALL INTESTINE OF MICE**

VICTOR YUJI YARIWAKE<sup>1</sup>; ELOISA MARTINS DA SILVA<sup>2</sup>; NIELS OLSEN SARAIVA CÂMARA<sup>1</sup>; VINICIUS DE ANDRADE OLIVEIRA<sup>3</sup>; 1. Instituto de Ciências Biomédicas; 2. Universidade Federal de São Paulo; 3. Universidade Federal do ABC;

## INNATE IMMUNITY (IN)

**IN16 - HEME IMPAIRS CELLULAR RESPIRATION AND INDUCES MITOCHONDRIAL FISSION IN MACROPHAGES**

ELISA BEATRIZ PRESTES; ANTONIO GALINA; EDUARDO DE SOUZA FERREIRA; THALITA SANTOS DE MORAES DE FARIAS; LETÍCIA DA SILVA ALVES; ELENA MONTES-COBOS; GABRIEL DA SILVA BARROS; JOÃO CARLOS RAMALHO DE FREITAS; MARCELO TORRES BOZZA; UFRJ;

**IN17 - HEME INDUCTION OF PARADOXICAL SIGNALING PATHWAYS LEADING TO PROGRAMMED CELL DEATH IN MACROPHAGES**

JOÃO CARLOS RAMALHO DE FREITAS; ELISA BEATRIZ PRESTES; ELENA MONTES COBOS; LUIS BATISTA TAN; MARCELO TORRES BOZZA; Universidade Federal do Rio de Janeiro;

**IN18 - HISTONES DEACETYLASES' ROLE IN REGENERATION AND MACROPHAGE POLARIZATION POST-ACUTE KIDNEY INJURY INDUCTION IN ZEBRAFISH**

LAIS CAVALIERI PAREDES<sup>2</sup>; CAMILA IDELÍ MORALES FÉNERO<sup>1</sup>; MARIANA ABRANTES DO AMARAL<sup>1</sup>; JULIANA MOREIRA MENDONÇA GOMES<sup>2</sup>; BARBARA NUNES PADOVANI<sup>2</sup>; MARIANA TOMINAGA PEREIRA<sup>2</sup>; LUAN FAVERO MONTES<sup>2</sup>; NIELS OLSEN SARAIVA CÂMARA<sup>2</sup>; 1. Universidade Federal de São Paulo; 2. Universidade de São Paulo;

**IN19 - IDENTIFICATION OF NOVEL PROTEINS INVOLVED IN NLRC4 INFLAMMASOME ACTIVATION**

AMANDA DE MATOS BECERRA; WARRISON ATHANÁSIO COELHO DE ANDRADE; MARCO ANTONIO ATAIDE SILVA; SAMUEL DOS SANTOS OLIVEIRA; KEYLA SANTOS GUEDES DE SÁ; TAMARA SILVA RODRIGUES; GIUSEPPE PALMISANO; DARIO SIMÕES ZAMBONI; Universidade de São Paulo;

**IN20 - IMMUNOMETABOLIC REPROGRAMING OF NEUTROPHILS BY TROPHOBLAST CELLS IN AN IN VITRO MODEL OF EARLY MATERNAL-PLACENTAL INTERFACE**

GUILLERMINA CALO<sup>2</sup>; DAIANA VOTA<sup>2</sup>; FLORENCIA SABBIONE<sup>1</sup>; FATIMA MERECH<sup>2</sup>; VANESA HAUKE<sup>2</sup>; ROSANNA RAMHORST<sup>2</sup>; ANALIA TREVANI<sup>1</sup>; CLAUDIA PEREZ LEIROS<sup>2</sup>; 1. Instituto de Medicina Experimental (Consejo Nacional de

Investigaciones Científicas y Técnicas - Academia Nacional de Medicina); 2. Universidad de Buenos Aires. Consejo Nacional de Investigaciones Científicas y Técnicas (IQUIBICEN-CONICET). Buenos Aires, Argentina.;

**IN21 - IMPORTANCE OF IL-33 IN THE DEVELOPMENT OF WALLERIAN DEGENERATION AND ITS ACTIONS ON IMMUNE CELLS**

GABRIEL VICTOR LUCENA DA SILVA<sup>1</sup>; TIMNA VARELA MARTINS<sup>1</sup>; CONCEIÇÃO ELIDIANE ANIBAL SILVA<sup>1</sup>; ISADORA MARQUES PAIVA<sup>1</sup>; ANTONIO EDSON OLIVEIRA<sup>2</sup>; IEDA REGINA DOS SANTOS<sup>1</sup>; FERNANDO QUEIROZ CUNHA<sup>1</sup>; JOSÉ CARLOS ALVES-FILHO<sup>1</sup>; THIAGO MATTAR CUNHA<sup>1</sup>; 1. Ribeirao Preto Medical School - FMRP/USP; 2. University of Fortaleza;

**IN22 - INFLAMMASOME ACTIVATION IN THE PULMONARY PARENCHYMA DEFINES TWO DISTINCT PROFILES ASSOCIATED WITH CYTOKINE STORM AND WORSENING OF LUNG FUNCTION IN COVID-19 PATIENTS**

KEYLA SANTOS GUEDES DE SÁ; LUANA ALEXANDRINA AMARAL; CAMILA C.S. CAETANO; AMANDA DE MATOS BECERRA; SABRINA S. BATAH; ISADORA M. DE OLIVEIRA; MARCEL KOENIGKAM-SANTOS; RONALDO B. MARTINS; EURICO ARRUDA; ALEXANDRE T FABRO; DARIO SIMÕES ZAMBONI; Faculdade de Medicina de Ribeirão Preto;

**IN23 - INTERACTION BETWEEN NETS AND HRSV: WESTERN BLOT AND IMMUNOPRECIPITATION ANALYSIS**

LEONARDO DA SILVA PINTO; RONALDO SILVA ALVES JÚNIOR; KARINA ALVES TOLEDO; Unesp Assis;

**IN24 - LEISHMANIA INFANTUM DEFECTIVE IN LIPOPHOSPHOGLYCAN BIOSYNTHESIS INTERFERES WITH ACTIVATION OF HUMAN NEUTROPHILS**

ASTRID MADELEINE CALERO GOICOITCHEA<sup>2</sup>; GRAZIELE QUINTELA-CARVALHO<sup>1</sup>; VANESSA MANÇUR-SANTOS<sup>2</sup>; SAYONARA DE MELO VIANA<sup>1</sup>; YASMIN DA SILVA LUZ<sup>1</sup>; BEATRIZ ROCHA SIMÕES DIAS<sup>1</sup>; MILENA LÁZARO-SOUZA<sup>1</sup>; MARTHA SUAREZ<sup>1</sup>; CAMILA INDIANI DE OLIVEIRA<sup>1</sup>; ELVIRA M. SARAIVA<sup>5</sup>; CLÁUDIA I. BRODSKY<sup>1</sup>; PATRÍCIA T. VERAS<sup>1</sup>; JULIANA P.B. DE MENEZES<sup>1</sup>; BRUNO B. ANDRADE<sup>1</sup>; JONILSON BERLINK LIMA<sup>4</sup>; ALBERT DESCOTEUX<sup>3</sup>; VALÉRIA M. BORGES<sup>1</sup>; 1. IGM-FIOCRUZ/BA; 2. IGM-FIOCRUZ/UFBA; 3. INRS/CANADA; 4. NAIVE/UFOB; 5. UFRJ;

**IN25 - LIPID DROPLETS ARE CENTRAL PLATFORMS IN THE CONTROL OF BACTERIAL LOADING AND INFLAMMATION INDUCED BY SEPSIS**

FILIFE SANTOS PEREIRA DUTRA; ELLEN KIARELY DE SOUZA; TAMIREIS DA CUNHA FERNANDES; FELIPE FERRARO; RODRIGO VIEIRA SAVI; LIVIA TEIXEIRA; PATRICIA ALVES REIS; LUCIANA SOUZA-MOREIRA; PATRICIA TORRES BOZZA; Laboratório de Imunofarmacologia, FIOCRUZ;

**IN26 - LPS INDUCE MONOCYTTIC TLR ACTIVATION AND TOLERANCE IN COVID-19 PATIENTS**

PAULA COELHO TEIXEIRA<sup>2</sup>; GILSON PIRES DORNELES<sup>1</sup>; ALESSANDRA PERES<sup>1</sup>; LUIZ CARLOS RODRIGUES JÚNIOR<sup>1</sup>; SIMONE GONÇALVES DA FONSECA<sup>1</sup>; MARTA CHAGAS MONTEIRO<sup>1</sup>; SARAH ELLER<sup>1</sup>; TIAGO F OLIVEIRA<sup>1</sup>; ELIANA M WENDLAND<sup>1</sup>; PEDRO RT ROMÃO<sup>3</sup>;

1. Universidade Federal de Ciências da Saúde de Porto Alegre; 2. Universidade Federal de Ciências da Saúde de Porto Alegre; 3. Universidade Federal de Ciências da Saúde de Porto Alegre;

**IN27 - MALARIA-INDUCED KUPFFER CELLS DEATH LEADS TO UNCONTROLLED VIRAL AND BACTERIAL SUPERINFECTIONS**

ISABELLA CRISTINA HIRAKO<sup>4</sup>; MAÍSA MOTA ANTUNES<sup>2</sup>; RAFAEL MACHADO REZENDE<sup>1</sup>; MARIA MARTA FIGUEIREDO<sup>5</sup>; NATÁLIA SATCHIKO HOJO DE SOUZA<sup>4</sup>; THOMAZ DIAS<sup>3</sup>; HELDER NAKAYA<sup>3</sup>; GUSTAVO MENEZES<sup>2</sup>; RICARDO GAZZINELLI<sup>4</sup>;

1. ANN ROMNEY CENTER FOR NEUROLOGIC DISEASES, BRIGHAM AND WOMEN'S HOSPITAL, HARVARD MEDICAL SCHOOL; 2. CENTER FOR GASTROINTESTINAL BIOLOGY, DEPARTAMENTO DE MORFOLOGIA, ICB, UFMG; 3. ESCOLA DE CIÊNCIAS FARMACÊUTICAS – UNIVERSIDADE DE SÃO PAULO; 4. INSTITUTO RENÉ RACHOU (FIOCRUZ MINAS); 5. UNIVERSIDADE DO ESTADO DE MINAS GERAIS;

**IN28 - MATURATION, MOBILIZATION AND INFLAMMATORY PROFILE OF NEUTROPHILS IN EXPERIMENTAL MALARIA**

LUCAS FREIRE-ANTUNES; MARCOS VINICIUS RANGEL-FERREIRA; CARINA HEUSNER GONÇALVES DE SOUSA; UYLA ORNELAS-GARCIA; MÔNICA LUCAS RIBEIRO-ALMEIDA; CLAUDIO TADEU DANIEL-RIBEIRO; FLÁVIA LIMA RIBEIRO-GOMES; FIOCRUZ;

**IN29 - METABOLIC REPROGRAMMING OF MACROPHAGES DURING BRUCELLA INFECTION IS ORCHESTRATED BY STING VIA HIF-1A ACTIVATION**

ERIKA S. GUIMARÃES<sup>4</sup>; MARCO TÚLIO R. GOMES<sup>4</sup>; FÁBIO V. MARINHO<sup>4</sup>; ISABELLA MACEDO<sup>4</sup>; ERIC R. G. R. AGUIAR<sup>3</sup>; GLEN N. BARBERS<sup>5</sup>; PEDRO M. M. MORAES-VIEIRA<sup>2</sup>; JOSÉ CARLOS ALVES-FILHO<sup>1</sup>; SERGIO C. OLIVEIRA<sup>4</sup>;

1. Faculdade de Medicina de Ribeirão Preto; 2. Universidade Estadual de Campinas; 3. Universidade Estadual de Santa Cruz; 4. Universidade Federal de Minas Gerais; 5. University of Miami;

**IN30 - MODULATION OF ANTIVIRAL MOLECULES USP18 AND ISG15 AS A CELLULAR RESPONSE TO INFECTION AND ANTIVIRAL RESOURCE IN DENV-2 INFECTED A549 CELLS**

CARLOS EDUARDO CLETO; LORENA DE OLIVEIRA FERNANDES SIQUEIRA; ANDREA T DA POIAN; JULIANNA DIAS ZEIDLER; Universidade Federal do Rio de Janeiro;

**IN31 - MONOCYTE/MACROPHAGE METABOLIC REPROGRAMMING IN A MODEL OF MATERNAL-PLACENTAL INTERACTION**

FATIMA MERECH; SOLEDAD GORI; GRACIELA REYSCHER; DANIEL

PAPARINI; VANESA HAUKE; ROSANNA RAMHORST; DAIANA VOTA; CLAUDIA PEREZ LEIROS;

Universidad de Buenos Aires. Consejo Nacional de Investigaciones Científicas y Técnicas (IQUIBICEN-CONICET). Buenos Aires, Argentina.;

## MOLECULAR IMMUNOLOGY (MI)

**MI10 - GLOBOTRIAOSYL CERAMIDE ACCUMULATION INDUCES INFLAMMASOMES ACTIVATION IN A CATHEPSIN-DEPENDENT MANNER**

ANA BEATRIZ FIGUEIREDO DE LIMA<sup>1</sup>; MARCELO PIRES AMARAL<sup>1</sup>; INGRID SANCHO DE FARIAS<sup>2</sup>; PATRÍCIA VARELA CALAIS<sup>1</sup>; JOÃO BOSCO PESQUERO<sup>1</sup>; KARINA RAMALHO BORTOLUCI<sup>1</sup>;

1. UNIFESP; 2. USP;

**MI11 - HUMAN MONOCLONAL ANTIBODIES ANTI-FLAVIVIRUS WITH ABILITY TO NEUTRALIZE ZIKA VIRUS INFECTION**

RENATO KAYLAN ALVES DE OLIVEIRA FRANÇA; JACYELLE MEDEIROS SILVA; LUCAS SILVA RODRIGUES; DIMITRI SOKOLOWSKI; MARCELO MACEDO BRIGIDO; ANDRÉA QUEIROZ MARANHÃO; University of Brasilia;

**MI12 - IDENTIFICATION OF IMMUNE SIGNATURES ASSOCIATED WITH ASYMPTOMATIC SARS-COV-2 INFECTION: WHY DO SOME PEOPLE NOT GET SICK?**

THALES EDUARDO GALDINO ANDRADE; WILLIAM LAUTERT; RENAN DE SOUZA BIN; MARINA PRIOLO GREJO; ISABEL KINNEY FERREIRA DE MIRANDA SANTOS; Universidade de São Paulo;

**MI13 - IMMUNOMETABOLISM IN THE SYMBIOTIC RELATIONSHIP BETWEEN THE Aedes FLUVIALIS MOSQUITO AND BACTERIUM WOLBACHIA PIPIENTIS**

JHENIFER NASCIMENTO DA SILVA; CHRISTIANO CALIXTO DA CONCEIÇÃO; ANGÉLICA FERNANDES ARCANJO; GISELY BRITO; CARLOS JORGE LOGULLO DE OLIVEIRA; UFRJ;

**MI14 - IMPORTANCE OF NFR2 ON OSTEOCLASTOGENESIS AND ITS IMPACT ON BONE METABOLISM**

CESAR AUGUSTO SPECK HERNANDEZ; SANDRA YASUYO FUKADA; Universidade de São Paulo;

**MI15 - IN SILICO ANALYSIS OF MOLECULAR INTERACTIONS AND BINDING AFFINITIES BETWEEN SESQUITERPENES WITH MPK1 AND ATF-7**

PRISCILA GUBERT; IVERSON CONRADO BEZERRA; ARTUR JOSÉ DA SILVA; VICTORIA REGINA DA SILVA; Universidade Federal de Pernambuco;



**MI16 - INVESTIGATION OF NEW PATHWAYS RELATED TO THE EARLY GENE EXPRESSION DURING T CD4 CELL ACTIVATION**

DANILO BINES; BÁRBARA PEIXOTO; MARIANA BORONI; JOÃO P. B. VIOLA;  
Instituto Nacional de Câncer;

**MI17 - MACROPHAGES DERIVED FROM PERIPHERAL BLOOD MONOCYTES (MDM) OF TAURINE AND INDICINE BREEDS PRESENT DIFFERENT PATTERN OF RNA EXPRESSION: IMPLICATIONS ON BOVINE IMMUNITY TO DISEASES AND THERMAL STRESS**

WANESSA CARVALHO1; RAQUEL MORAIS DE PAIVA DAIBERT1; CARLOS BIAGGI JR.3; ROBERT DOMINGUES2; EMANUELLE BALDO GASPAR2; MARCOS VINÍCIUS G. B. DA SILVA1; DANIELE RIBEIRO DE LIMA REIS1; MARCO ANTÔNIO MACHADO1;  
1. Embrapa Gado de Leite; 2. Embrapa Pecuária Sul; 3. USP;

**MI18 - MATRIX METALLOPROTEINASES ON SEVERE COVID-19 LUNG DISEASE PATHOGENESIS**

PEDRO VIEIRA DA SILVA-NETO5; VALERIA B. DO VALLE2; CARLOS A. FUZO1; TALITA M. FERNANDES3; DIANA M. TORO5; JONATAN C. S. DE CARVALHO4; VINÍCIUS E. PIMENTEL1; LUCIA H. FACCIOLI1; MARCELO D. BARUFFI1; ANA PAULA M. FERNANDES3; RAQUEL F. GERLACH2; CARLOS ARTERIO SORGI4;  
1. Departamento de Análises Clínicas, Toxicológicas e Bromatológicas, Faculdade de Ciências Farmacêuticas de Ribeirão Preto, Universidade de São Paulo; 2. Departamento de Biologia Básica e Oral, Faculdade de Odontologia de Ribeirão Preto, Universidade de São Paulo; 3. Departamento de Enfermagem Geral e Especializada, Escola de Enfermagem de Ribeirão Preto, Universidade de São Paulo; 4. Departamento de Química, Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto, Universidade de São Paulo; 5. Instituto de Ciências Biológicas, Universidade Federal do Amazonas;

**MI19 - NEW ENGINEERED HUMAN ANTIBODIES SPECIFIC TO HUMAN CD20 FOR LYMPHOMA TREATMENT**

LUIZ SILVA DE SOUZA; JACYELLE MEDEIROS SILVA; ISABEL GARCIA DE SOUSA; MARCELO DE MACEDO BRÍGIDO; ANDRÉA QUEIROZ MARANHÃO;  
University of Brasilia;

PEREIRA DE OLIVEIRA2; CAMILA PEREIRA DE QUEIROZZ;  
1. FACULDADE DE MEDICINA - UNIVERSIDADE FEDERAL DE MINAS GERAIS (UFMG); 2. UNIVERSIDADE FEDERAL DE MINAS GERAIS (UFMG);

**TR08 - MICA GENE POLYMORPHISMS AND PROTEIN FREQUENCY DISTRIBUTION IN BIOGEOGRAPHIC REGIONS**

AMANDA MUNIZ RODRIGUES2; VIVIANE APARECIDA DE OLIVEIRA CIRIACO3; CAMILA FERREIRA BANNWART CASTRO1; ERICK DA CRUZ CASTELLI3;  
1. Centro Universitário Sudoeste Paulista (Unifesp); 2. São Paulo State University (UNESP), Bioscience Institute of Botucatu (IBB); 3. São Paulo State University (UNESP), Pathology Program, School of Medicine (FMB);

**TR09 - MICA-129 FREQUENCY IN BRAZILIAN POPULATION**

JOYCE MACHADO SILVA2; BRENDA CAROLINE DA SILVA TIBÚRCIO1; VIVIANE APARECIDA DE OLIVEIRA CIRIACO3; ERICK DA CRUZ CASTELLI3; CAMILA FERREIRA BANNWART CASTRO2;  
1. Centro Universitário Sudoeste Paulista (Unifesp), Avaré-SP; 2. General and Applied Biology, Institute of Biosciences, UNESP, Botucatu -SP; 3. Pathology Department, School of Medicine, Unesp, Botucatu-SP;

**TR10 - NO ASSOCIATION OF IL33 GENE POLYMORPHISM (RS1929992) AND ANKYLOSING SPONDYLITIS IN A POPULATION FROM NORTH/NORTHWEST OF PARANÁ.**

ALÉIA HARUMI UCHIBABA YAMANAKA; LETICIA CRISTINA DE ALMEIDA SILVA; AMANDA DE AMORIM FERNANDES TOLEDO MARTINS; MATHEUS BRAGA; FELIPE CAYRES NOGUEIRA DA ROCHA LOURES; MARCO ANTONIO ROCHA-LOURES; JANISLEYA SILVA FERREIRA NEVES; QUIRINO ALVES DE LIMA NETO; JEANE ELIETE LAGUILA VISENTAINER;  
Universidade Estadual de Maringá;

**TR11 - NO ASSOCIATION OF KIR2DL2 GENE AND ANKYLOSING SPONDYLITIS: A CASE-CONTROL STUDY**

LETICIA CRISTINA DE ALMEIDA SILVA; ALÉIA HARUMI UCHIBABA YAMANAKA; VICTOR HUGO DE SOUZA; MATHEUS BRAGA; FELIPE CAYRES NOGUEIRA DA ROCHA LOURES; MARCO ANTONIO ROCHA-LOURES; JANISLEYA SILVA FERREIRA NEVES; FERNANDA PELISSON MASSI; QUIRINO ALVES DE LIMA NETO;  
Universidade Estadual de Maringá;

**TR12 - SULFORAPHANE-LOADED POLOXAMER-HYALURONIC ACID HYDROGELS FOR THE TREATMENT OF ACUTE TRANSPLANT REJECTION**

LORENA DORETTO-SILVA; DANIELE RIBEIRO DE ARAUJO; VINICIUS ANDRADE-OLIVEIRA;  
UFABC;

## TRANSPLANTATION AND IMMUNOGENETICS (TR)

**TR07 - INFLUENCE OF HLA REPERTOIR IN THE OUTCOME OF HCMV INFECTION IN TRANSPLANTED INDIVIDUALS**

STEPHANIE SANTOS DE ALMEIDA2; CRISTIANO XAVIER LIMA1; HELTON DA COSTA SANTIAGO2; MARECELA HELENA GONÇALVES



# TUMOR IMMUNOLOGY (TU)



## TU19 - EVALUATION OF MURINE MELANOMA CELLS (B16F10) TREATED BY PHOTOTHERMAL THERAPY THAT INTERNALIZED PLASMA FUNCTIONALIZED CARBON NANOTUBES.

KAIQUE GOMES HERGESEL1; GIOVANNA GONÇALVES DO NASCIMENTO1; LARISSA SOLANO DE ALMEIDA3; DAIANE LIMA DOS SANTOS1; AMANDA DIAS DA ROCHA LIMA2; BRENO BANDONI FERRARI2; LEONILDA MARIA BARBOSA DOS SANTOS2; LUCIANA SCARBI ROSSINO1; ELAINE CONCEIÇÃO DE OLIVEIRA1; 1. Faculdade de Tecnologia de Sorocaba; 2. Universidade Estadual de Campinas; 3. Universidade Federal de São Carlos;

## TU20 - EVALUATION OF THE IMMUNE SIGNATURE IN RESPONSE TO CHEMOTHERAPY IN MMTV-PYMT MOUSE MODEL

MARIANA SALDANHA VIEGAS DUARTE1; CLARA DE OLIVEIRA ANDRADE1; KARINA LOBO HAJDU1; FERNANDO TADEU TREVISAN FRAJACOMO1; KELLY GRACE MAGALHÃES2; MARTÍN HERNÁN BONAMINO1; 1. Instituto Nacional de Câncer; 2. Universidade de Brasília;

## TU21 - EVALUATION OF THE MECHANISMS INVOLVED IN BCG IMMUNOTHERAPY IN A SYNGENIC MELANOMA MURINE MODEL

VINÍCIUS MARTINS BORGES; NINA MARÍ GUAL PIMENTA DE QUEIROZ; CHRISTIANE VIEIRA ALVES CALDEIRA; SÉRGIO COSTA OLIVEIRA; Departamento de Bioquímica e Imunologia, Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais (UFMG);

## TU22 - EVALUATION OF THE PROLIFERATIVE EFFECT OF IN VITRO BREAST CANCER CELLS EXPOSED TO LATEX FROM AVELOS (EUPHORBIA TIRUCALLI) AND JANAUBA (SYNADENIUM GRANTII HOOK F.)

GIOVANNA GONÇALVES DO NASCIMENTO1; KÁIQUE GOMES HERGESEL1; FERNANDO PRADELLA2; DIEGO V. DAS NEVES1; LEONILDA M. B. SANTOS2; ELAINE C. DE OLIVEIRA1; 1. Faculdade de Tecnologia de Sorocaba; 2. Universidade Estadual de Campinas;

## TU23 - EXTRACELLULAR VESICLES CARRYING MIRNA-181B CARGO DERIVED FROM PLASMA OF BREAST CANCER PATIENTS MODULATE GSKIP AND INDUCE DENDRITIC CELL PHENOTYPE TOWARDS TOLEROGENIC PROFILE

CAROLINE LEONEL VASCONCELOS DE CAMPOS; MARIANA SOUSA VIEIRA; MICHELE FARIA RAMOS; ADRIANO DE PAULA SABINO; RODRIGO RESENDE; NAYARA DELGADO ANDRÉ; HELTON COSTA SANTIAGO; UFMG;

## TU24 - FUNCTIONAL STUDY OF THE ROLE OF CD99 PROTEIN IN THE TUMORIGENESIS PROCESS OF CERVICAL CANCER: PARTIAL RESULTS

NATHALIA A. MACEDO3; CAIO R. F. SILVEIRA3; RENATO L. G. CUNHA3; KATIUCHIA U. SALES1; NATÁLIA M. BRUSSOLO2; ROSANE M. F. BOLZONI2; ELAINE Z. M. DA SILVA1; CAROL K. DA FONSECA1; 1. Faculdade de Medicina de Ribeirão Preto de São Paulo; 2. Fundação Hemocentro de Ribeirão Preto; 3. Fundação Hemocentro de Ribeirão Preto e Faculdade de Medicina de Ribeirão Preto de São Paulo;

## TU25 - GENERATION AND CHARACTERIZATION OF ANTI-CD19 CAR-T CELLS OVEREXPRESSING THE PROTEIN PHF19

KARINA LOBO HAJDU; LEONARDO RIBEIRO BATISTA SILVA; MARTÍN HERNAN BONAMINO; Instituto Nacional de Cancer (INCA), Rio de Janeiro, RJ;

## TU26 - GENERATION AND OPTIMIZATION OF ANTI-CD19 CAR-T CELL FOR LEUKEMIA IMMUNOTHERAPY

LEONARDO RIBEIRO BATISTA SILVA; LUIZA ABDO; MARIANA MAZZI; EMANUEL ARAGÃO; KARINA HADJU; CLARA DE OLIVEIRA ANDRADE; MARTÍN HERNÁN BONAMINO; INCA;

## TU27 - GLUTAMINE METABOLISM AND ITS EFFECTS ON THE TUMOR MICROENVIRONMENT.

LARISSA FONSECA MARQUES; Universidade de São Paulo - USP;

## TU28 - HIGH INTENSITY INTERVAL TRAINING EFFECTS IN POSTMENOPAUSAL OVERWEIGHT WOMEN: INFLAMMATORY AND EPIGENETIC MODULATION

ALISSON SANTANA DA LUZ; GRAZIELE SILVEIRA FARDIN; EUGENIA HENKE; GILSON PIRES DORNELES; VIVIANE ROSTIROLA ELSNER; ALESSANDRA PERES; JOANE SEVERO RIBEIRO; Universidade Federal de Ciências de Saúde de Porto Alegre;

## TU29 - IMMUNE CHECKPOINT BLOCKADE VIA PD-L1 POTENTIATES MORE CD28-BASED THAN 4-1BB-BASED ANTI-CARBONIC ANHYDRASE IX CHIMERIC ANTIGEN RECEPTOR T CELLS

NAJLA SANTOS PACHECO DE CAMPOS; ELOAH RABELLO SUAREZ; Universidade Federal do ABC;

## TU30 - INDUCTION OF IMMUNOGENIC CELL DEATH BY VACCINATION IN AN EXPERIMENTAL MURINE MODEL OF MELANOMA AFTER THERAPEUTIC VACCINATION PROTOCOLS.

THAIS BERGMANN DE CASTRO1; LUÍSA COUTINHO COELHO2; LUÍSA DAN FAVILLA1; JOÃO PAULO LONGO1; ANAMÉLIA LORENZETTI BOCCA1; 1. UnB; 2. Unb;

**TU31 - INHIBITION OF PROTEIN DISULFIDE ISOMERASE AS A POTENTIAL THERAPEUTIC MECHANISM AGAINST TUMOR ESCAPE BY PROMOTING OXIDATIVE STRESS AND REDUCING CELL ADHESION IN BREAST CANCER CELLS**

HIRAN REIS SOUSA; ANDRÉ ALVARES MARQUES; SULAYNE JANAYNA ARAÚJO GUIMARÃES; ANA LUIZA DE ARAÚJO BUTARELLI; DANRLEY MORAES TEIXEIRA; MIRTES CASTELO BRANCO ROCHA; BIANCA LIMA DUARTE; LUIZ EDUARDO SILVA MARTINS; IANE MAYARA FORES DA CUNHA; ANA PAULA SILVA DE AZEVEDO DOS SANTOS;

Laboratório de Imunologia Aplicada ao Câncer (LIAC) - Universidade Federal do Maranhão;

**TU32 - LOW DOSES OF 5-FU ASSOCIATED WITH GANODERMA LUCIDUM POLYSACCHARIDES INCREASE THE EXPRESSION OF IMMUNO-CHECKPOINTS OF TONGUE SPINOCELLULAR CARCINOMA CELLS**

EMMANUELLE NASCIMENTO QUAGLIATO; VANESSA SOARES LARA; CAMILA DE OLIVEIRA RODINI PEGORARO; MARCELA RODRIGUES DE CAMARGO;

Universidade de São Paulo - USP/FOB/Bauru;

**TU33 - MECHANISMS OF RESISTANCE TO CAR-T CELL IMMUNOTHERAPY: INSIGHTS FROM MATHEMATICAL MODELLING**

DANIELA SILVA SANTURIO2; EMANUELLE ARANTES PAIXÃO2; ARTUR CÉSAR FASSONI3; LUCIANA RODRIGUES CARVALHO BARROS1; REGINA CÉLIA CERQUEIRA ALMEIDA2;

1. Instituto do Câncer do Estado de São Paulo, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo; 2. LABORATORIO NACIONAL DE COMPUTAÇÃO CIENTÍFICA; 3. Universidade Federal de Itajubá;

**TU34 - METABOLIC CHARACTERIZATION OF FOXP3+ RORGT+ T CELL POPULATION IN THE EXPERIMENTAL MODEL OF COLITIS ASSOCIATED COLORECTAL CANCER**

MARCELLA CIPELLI1; ELOISA MARTINS DA SILVA3; LUÍSA MENEZES SILVA1; BRUNO GHIROTTI NUNES1; THERESA RAQUEL RAMALHO1; ALINE IGNACIO1; VINICIUS DE ANDRADE OLIVEIRA2; NIELS OLSEN SARAIVA CÂMARA1;

1. ICB USP; 2. UFABC; 3. UNIFESP;

**TU35 - METABOLIC PROFILING OF CHRONIC MYELOID LEUKEMIA PATIENTS DURING DISEASE PROGRESSION AND RESPONSE TO TYROSINE KINASE INHIBITORS.**

FELIPE CAMPOS DE ALMEIDA; MARIA G. BERZOTI-COELHO; DIANA MOTA TORO; MAIRA DA COSTA CACEMIRO; VITOR LEONARDO BASSAN; GABRIEL DESSOTTI BARRETTO; PEDRO MANOEL MARQUES GARIBALDI; LEONARDO CARVALHO PALMA; LORENA LOBO DE FIGUEIREDO-PONTES; CARLOS ARTERIO SORGI; LUCIA HELENA FACIOLLI; LUIZ GUSTAVO GARDINASSI; FÁBIO LA ATTÍE DE CASTRO;

USP;

**TU36 - METABOLIC UPTAKE OF DIETARY N-GLYCOLYLNEURAMINIC ACID PROMOTE COLON CANCER GROWTH BY IMMUNE AND NON-IMMUNE****MECHANISMS**

ANA LUIZA DOS SANTOS LOPES4; AMANDA CARLOS PAULINO1; WALLACE MARTINS ARAÚJO3; PHILIPPE CALOBA OLIVEIRA DE MATTOS CRUZ4; KUNIO KAWANISHIGI; JOSE ANDRES MORGADO DIAZ2; NISSI VARKIS; KARL WILLERTS; ADRIANE REGINA TODESCHINI4; AJIT VARKIS; FREDERICO ALISSON DA SILVA4; 1. Instituto Federal do Rio de Janeiro; 2. Instituto Nacional de Câncer; 3. Universidade Federal Rural do Rio de Janeiro; 4. Universidade Federal do Rio de Janeiro; 5. University of California at San Diego; 6. University of Tsukuba;

**VACCINES (VC)****VC07 - COMPARISON OF ADAPTIVE IMMUNE RESPONSE INDUCED BY STANDARD AND FRACTIONAL DOSES OF 17DD-YF VACCINE AGAINST YELLOW FEVER**

THAIS ABDALA TORRES; ANA CAROLINA CAMPI AZEVEDO; VANESSA PERUHYPE MAGALHÃES PASCOAL; ANDRÉA TEIXEIRA-CARVALHO; OLINDO ASSIS MARTINS FILHO; LIS RIBEIRO DO VALLE ANTONELLI; Instituto René Rachou - Fundação Oswaldo Cruz;

**VC08 - ENCAPSULATION AND CHARACTERIZATION OF THE IMMUNODOMINANT EPITOPE SSIEFARL FROM HSV-2: A NANOSTRUCTURED IMMUNOPROPHYLACTIC SYSTEM AGAINST HERPETIC RECURRENCES.**

GABRIEL HILARIO; RENATA ZORZETTO; ALINE CLÁUDIO DE OLIVEIRA; JAYME CASTILHOS FERREIRA NETO; FLÁVIA PIRES PEÑA; TANIRA ALESSANDRA AGUIRRE SILVEIRA AGUIRRE; PEDRO ROOSEVELT TORRES ROMÃO; LUIZ CARLOS RODRIGUES JR; UFCSPA;

**VC09 - EVALUATION OF HEMATIN ANHYDRIDE AS A NANOCARRIER IN CROSS-PRESENTATION.**

LETÍCIA TORRES DIAS2; REBECA SANTANA SOUZA2; JONATAS BUSSADOR DO AMARAL1; CAROLINA NUNES FRANÇA2; ANDRÉ LUIS LACERDA BACHI2; MARINA TIEMI SHIO2; 1. Federal University of São Paulo; 2. Santo Amaro University;

**VC10 - EVALUATION OF THE IMMUNE RESPONSE IN DIFFERENT VACCINE FORMULATIONS CONTAINING THE RSM14 OF SCHISTOSOMA MANSONI IN MICE**

POLIANE SILVA MACIEL; GARDENIA BRAZ FIGUEIREDO DE CARVALHO; GREGÓRIO GUILHERME ALMEIDA; ROSIANE APARECIDA DA SILVA PEREIRA; LIS RIBEIRO DO VALLE ANTONELLI; CRISTINA TOSCANO FONSECA; Fiocruz Minas;

**VC11 - GENETIC POLYMORPHISM OF PLASMODIUM FALCIPARUM PROTEINS MSPDBL-1 AND MSPDBL-2 AND ITS IMPACT ON B AND T IMMUNODOMINANT EPITOPES IN BRAZILIAN MALARIA ENDEMIC AREAS**

JULIANA ALINE DE SOUZA LEMOS1; BARBARA DE OLIVEIRA BAPTISTA1; LANA BITTENCOURT CHAVES1; HUGO AMORIM DOS





SANTOS DE SOUZA1; JENIFER PEIXOTO DE BARROS1; RODRIGO MEDEIROS DE SOUZA2; RODRIGO NUNES RODRIGUES-DA-SILVA1; EVELYN KETY PRATT-RICCIO1; PAULO RENATO RIVAS TOTINO1; JOSUÉ DA COSTA LIMA-JÚNIOR1; CLÁUDIO TADEU DANIEL-RIBEIRO1; LILIAN ROSE PRATT-RICCIO1;

1. Instituto Oswaldo Cruz - Fiocruz; 2. Universidade Federal do Acre;

**VC12 - IDENTIFICATION AND VALIDATION OF GM22.6C IMMUNODOMINANT B-CELL EPITOPES IN INDIVIDUALS EXPOSED TO MALARIA LIVING IN BRAZILIAN ENDEMIC AREAS**

BARBARA DE OLIVEIRA BAPTISTA1; ANA BEATRIZ LOPES DE SOUZA1; LUANA SANTOS DE OLIVEIRA1; EVELYN KETY PRATT RICCIO1; PAULO RENATO RIVAS TOTINO1; RODRIGO MEDEIROS DE SOUZA4; LINDA EVA AMOAH3; SUSHEEL KUMAR SINGH5; MICHAEL THEISEN5; RODRIGO NUNES RODRIGUES-DA-SILVA2; HUGO AMORIM DOS SANTOS DE SOUZA1; JENIFER PEIXOTO DE BARROS1; LUCAS TAVARES DE QUEIROZ1; JOSUÉ DA COSTA LIMA-JUNIOR1; CLÁUDIO TADEU DANIEL-RIBEIRO1; LILIAN ROSE PRATT-RICCIO1;

1. Instituto Oswaldo Cruz/Fundação Oswaldo Cruz; 2. Instituto de Tecnologia em Imunobiológicos/Fundação Oswaldo Cruz; 3. Noguchi Memorial Institute for Medical Research/University of Ghana; 4. Universidade Federal do Acre; 5. University of Copenhagen;



23/09/2022



## CELLULAR IMMUNOLOGY (CE)

### CE61 - PHENOTYPING OF LUNG IMMUNE CELLS BY CONVENTIONAL DNA SPECTRAL FLOW CYTOMETRY

ELIANE APARECIDA GOMES DE MELLO NASCIMENTO; BERNARDO DE CASTRO OLIVEIRA; CAIO LOUREIRO SALGADO; FRANCIELLY MOREIRA; JOFER ANDREE ZAMAME; GUILHERME WILLIAM DA SILVA; LEONARDO MANDU GONÇALVES; BRUNA CUNHA GONDIM DE ALENCAR; DENISE MORAIS DA FONSECA; USP;

### CE62 - PHYSIOLOGICAL ACCUMULATION OF HEPATIC FAT IN THE POSTNATAL PERIOD

WANDERSON FERREIRA DA SILVA JÚNIOR; KAREN MARQUES DE OLIVEIRA COSTA; MÁISA MOTA ANTUNES; KASSIANA MAFRA BICALHO; HORTÊNCIA MACIEL DE CASTRO OLIVEIRA; CRISTINA MARIA PINTO DE PAULA; GABRIEL ALVIM MACHADO MENDES; BRENDA NAEMI LANZA NAKAGAKI; JAMILLY DIAS DELFINO; DIEGO CRIMI DE CASTRO; GUSTAVO BATISTA DE MENEZES; Universidade Federal de Minas Gerais;

### CE63 - PLASMA FROM COVID-19 OBESE PATIENTS IN VITRO ALTERS PHENOTYPE AND METABOLIC RESPONSE OF T CELL FROM A HEALTHY DONOR

GILSON PIRES DORNELES1; PAULA COELHO TEIXEIRA1; PAULO CESAR SANTANA FILHO1; LUIZ CARLOS RODRIGUES JUNIOR1; SIMONE GONÇALVES DA FONSECA2; ALESSANDRA PERES3; ELIANA WENDLAND1; PEDRO ROOSEVELT TORRES ROMÃO1; 1. UFCSPA; 2. UFG; 3. peres@ufcspa.edu.br;

### CE64 - PROPRIEDADES IMUNOMODULATÓRIAS E PRÓ-CARCINOGENÍCAS DE MACRÓFAGOS HUMANOS DERIVADOS DA LINHAGEM THP-1 EXPOSTOS AO AGENTE QUIMIOTERÁPICO CISPLATINA

PEDRO MARÇAL BARCELOS; VICTÓRIA DE SOUSA CHAVES; JHENIFER SANTOS DOS REIS; JOSE OSVALDO PREVIATO; LUCIA MENDONÇA PREVIATO; CARLOS ANTONIO DO NASCIMENTO SANTOS; LEONARDO MARQUES DA FONSECA; LEONARDO FREIRE DE LIMA; UFRJ;

### CE65 - PROTEOMIC ANALYSIS OF HUMAN NEUTROPHIL EXOSOMES STIMULATED WITH L-AMINO ACID OXIDASE (LAAO) ISOLATED FROM THE VENOM OF CALLOSELASMA RHODOSTOMA

SUZANNE NERY SERRATH3; ADRIANA SILVA PONTES1; SULAMITA DA SILVA SETÚBAL1; CHARLES NUNES BOENO1; JÉSSICA AMARAL LOPES1; MILENA DANIELA SOUZA SILVA1; CRISTINA MATIELE ALVES REGO1; HALLISON MOTA SANTANA1; MAURO VALENTINO PALOSCHI1; ANDREIMAR MARTINS SOARES2; JULIANA PAVAN ZULIANI1;

1. Fundação Oswaldo Cruz – FIOCRUZ Rondônia, Porto Velho – RO, Brazil; 2. LABIOPROT/FIOCRUZ/RO; 3. PGBIOEXP - Fundação Oswaldo Cruz – FIOCRUZ Rondônia, Porto Velho – RO, Brazil;

### CE66 - ROLE OF ADRENERGIC SIGNALING ON INKT- INDUCED LIVER INJURY

MICHELANGELO BAUWELZ GONZATTI1; BEATRIZ MARTON FREIRE1; ALEXANDRE SALGADO BASSO1; JEAN PIERRE SCHATZMANN PERON2; ALEXANDRE CASTRO KELLER1;

1. UNIFESP; 2. USP;

### CE67 - ROLE OF CROTONATE IN STEM CELL GROWTH AND FUNCTION.

LAÍS PASSARIELLO PRAL1; POLLYANA RIBEIRO CASTRO1; ARILSON BERNARDO DOS SANTOS PEREIRA GOMES1; HELDER CARVALHO DE ASSIS1; PATRICK VARGA-WEISZ2; MARCO AURÉLIO RAMIREZ VINOLO1;

1. UNICAMP; 2. University of Essex;

### CE68 - ROLE OF NUCLEOSOME MODELATOR SMARCD1 IN MACROPHAGE FUNCTION DURING HOMEOSTASIS AND INFLAMMATION

HELDER CARVALHO DE ASSIS; LAÍS PASSARIELLO PRAL; ARILSON BERNARDO DOS SANTOS PEREIRA GOMES; JULIANA SILVEIRA PRONONOFF; PEDRO MANOEL MENDES DE MORAES VIEIRA; PATRICK DANIEL VARGA WEISZ; MARCO AURÉLIO RAMIREZ VINOLO;

Unicamp;

### CE69 - ROLE OF THE UNCONVENTIONAL MYOSIN IG IN THE ACTIVATION OF CD4+ T LYMPHOCYTES

TANIA CAROLINA BRAGA REIS; TAÍS MATOZO; LETÍCIA KOGACHI; MARIA CLARA MARTINS; BRUNA C. DE ALENCAR;

Institute for Biomedical Sciences Department of Immunology;

**CE70 - ROLE OF TRANSCRIPTIONAL CO-FACTOR IRF2BP2 EFFECTOR CD8 T CELLS**

FLORA ROSA-CAMPOS; BÁRBARA OLIVEIRA-VIEIRA; JOÃO P.B. VIOLA;  
Instituto Nacional de Câncer;

**CE71 - ROLE OF TRANSCRIPTIONAL CO-FACTOR IRF2BP2 IN ACTIVATION AND HYPORESPONSIVENESS OF CD8 T CELLS**

BÁRBARA OLIVEIRA VIEIRA2; FLORA ROSA CAMPOS1; RENATA M PEREIRA3; JOÃO PAULO DE BIASO VIOLA2;  
1. Instituto Nacional de Câncer; 2. Instituto Nacional de Câncer; 3. UFRJ;

**CE72 - SEROTONIN REGULATES CYTOKINE PRODUCTION BY PERIPHERAL BLOOD MONONUCLEAR CELLS OF PATIENTS WITH MAJOR DEPRESSION IN RESPONSE TO TLRs LIGANDS**

MARCOS OCTAVIO SALVATERRA DUTRA CAFASSO1; HUGO AKIRITO DE ALMEIDA OYAMADA2; LANA MÁRCIA FERREIRA LOPES2; MARISA DA CUNHA SALES1; PRISCILA MENDONÇA DO SACRAMENTO1; TAISSA DE MATOS KASAHARA1; CLEONICE ALVES DE MELO BENTO1;  
1. Universidade Federal do Estado do Rio de Janeiro; 2. Universidade do Estado do Rio de Janeiro;

**CE73 - SERUM FATTY ACIDS COMPOSITION OF MICE WITH IMIQUIMODE-INDUCED PSORIASIS (IMQ) AFTER ORAL ADMINISTRATION OF  $\Omega$ -9 OLEIC FATTY ACID (OL)**

NATALIE BITENCOURT RAMOS; BEATRIZ BURGER; ROBERTA NICOLLI SAGIORATO; JÉSSICA RONDONI SILVA; HOSANA GOMES RODRIGUES;  
Laboratory of Nutrients and Tissue Repair, School of Applied Sciences, University of Campinas, Limeira, Brazil;

**CE74 - SHORT-CHAIN FATTY ACID ACETATE ATTENUATES DSS-INDUCED COLITIS IN MICE THROUGH FFAR2 SIGNALING IN NEUTROPHILS**

SARAH DE OLIVEIRA1; JOSÉ LUÍS FACHIZ; LAÍS PASSARIELLO PRAL1; MARIANE FONT FERNANDES1; ARLISON BERNARDO DOS SANTOS PEREIRA GOMES1; HELDER CARVALHO DE ASSIS1; JEFFERSON ANTÔNIO DE CASTRO DOS SANTOS1; VALQUÍRIA APARECIDA MATHEUS1; MARCO AURÉLIO RAMIREZ VINOLO1;  
1. UNICAMP; 2. Washington University in St. Louis;

**CE75 - SIMILAR IFN- $\gamma$  SARS-COV-2 SPECIFIC T CELLS PRODUCTION BY HEALTH CARE PROFESSIONALS VACCINATED WITH CORONAVAC (SINOVAC BIOTECH) OR AZTRAZENECA-OXFORD BOOSTED WITH RNAM ANTI-COVID-19 VACCINE**

BÁRBARA SUÉLLEN GUIMARÃES MARIN FERREIRA1; SUELY SANAE KASHINO2; LUIS FERNANDO DE MACEDO BRIGIDO2; PAULA ORDONHEZ RIGATO1;  
1. FMUSP/IAL; 2. IAL;

**CE76 - STRESS-INDUCED SENESCENCE IN ADIPOSE-DERIVED STEM CELLS IS ASSOCIATED WITH MITOCHONDRIAL IMPAIRMENT THROUGH CHRONIC EXPOSURE TO THE OBESOGENIC ENVIRONMENT**

LUCAS KICH GRUN1; CLÁUDIO CORÁ MOTTIN1; EDUARDO CREMONESE FILIPPI-CHIELA2; FÁTIMA COSTA RODRIGUES GUMA2; MARCUS HERBERT JONES1; FLORENCIA MARÍA BARBÉ-TUANA1; RAFAEL MOURA MAURMANN1; JULIETE NATHALI SCHOLL2; MARCELLA ELESBÃO FOGAÇA1; JUCIANO GASPAROTTO3; ALEXANDRE VONTOBEL PADOIN1; FABRÍCIO FIGUEIRÓ2; CARINE RAQUEL RICHTER SCHMITZ1;  
1. PUCRS; 2. UFRGS; 3. UNIFAL;

**CE77 - STRUCTURAL AND CELLULAR CHANGES IN THE OMENTUM POST-GASTROINTESTINAL INFECTION REVEAL OMENTAL CONTRIBUTION TO THE MUCOSAL IMMUNITY**

GUILHERME WILLIAM DA SILVA; LUÍSA MENEZES SILVA; BERNARDO DE CASTRO OLIVEIRA; CAIO LOUREIRO SALGADO; FRANCIELLY MOREIRA; JOFER ANDREE ZAMAME RAMIREZ; LEONARDO MANDU GONÇALVES; MARINA CAÇADOR AYUPE; DENISE MORAIS DA FONSECA;  
Instituto de Ciências Biomédicas - USP;

**CE78 - SUPML (SURFACE PREDICTOR): AN ALGORITHM TO PREDICT SURFACE MARKERS FOR SINGLE-CELL DATA**

CRISTIANE ESTEVES TEIXERIA1; GIOVANNA RESK MAKLOUF1; GABRIELA RAPOZO GUIMARÃES1; NAYARA GUSMÃO TESSAROLLO1; PEDRO MANOEL MENDES DE MORAES-VIEIRA2; MARCELO ALVES DA SILVA MORIZ; MARIANA BORONI1;  
1. Brazilian National Cancer Institute; 2. University of Campinas;

**CE79 - T CELL-SPECIFIC BLIMP-1 DEFICIENCY ELICITS PROTECTIVE RESPONSES TO PARACOCCIDIOIDES BRASILIENSIS INFECTION**

FERNANDA MESQUITA DE SOUZA; RAFAELA LÚCIA LOPES DE SOUZA; OSVALDO CAMPOS DOS SANTOS NONATO; HELLEN ANASTÁCIA DA SILVA SOARES; THAÍS DA SILVA RIGONI; BRUNA AMANDA DA CRUZ RATTIS; LUCIANA BENEVIDES; JOÃO SANTANA SILVA;  
USP;

**CE80 - T-CELL INTRINSIC EXPRESSION OF AIM2 PROMOTES TH17 CELLS DIFFERENTIATION BY REGULATING RORIT ACTIVITY**

JEFFERSON ANTONIO LEITE3; LUÍSA MENEZES SILVA3; VALERIA ZININA1; ARTEMIY GOLDEN1; ELOISA MARTINS2; MARCELA CIPELLI3; TAMARA SILVA RODRIGUES3; LUCAS TAVARES3; ANNA EBERING1; CARSTEN SCHELMBAUER1; GUILHERME C. M. CEBINELLI3; KALIL ALVES DE LIMA3; FERNANDO DE QUEIROZ CUNHA3; DARIO S. ZAMBONI3; JOÃO SANTANA SILVA3; NATALIA SOSHNIKOVA1; ARI WAISMAN1; DANIELA CARLOS3; NIELS OLSEN SARAIVA CÂMARA3;  
1. Johannes Gutenberg University of Mainz; 2. Universidade Federal de São Paulo; 3. Universidade de São Paulo;

**CE81 - TEMPORAL DYNAMICS OF LYMPHOCYTE DISTRIBUTION IN THE BRAIN DURING POSTNATAL DEVELOPMENT**

DANILLO PEREIRA DANTAS; LUCIANA CONDE RODRIGUES MAIA; ROSÁLIA MENDEZ OTERO; ANDRÉ MACEDO VALE; PEDRO MORENO PIMENTEL COELHO;  
IBCCF;

**CE82 - TGF- $\beta$ 1 INDUCES EPITHELIAL-MESENCHYMAL TRANSITION IN HUMAN THYMIC EPITHELIAL CELLS**

LILIANE PATRÍCIA GONÇALVES TENÓRIO<sup>4</sup>; FELIPE HENRIQUE DA CUNHA XAVIER<sup>2</sup>; ITAÚÁ LESTON ARAÚJO<sup>2</sup>; MÔNICA SILVEIRA WAGNER<sup>1</sup>; EMILIANO BARRETO<sup>3</sup>; ADRIANA BONOMO<sup>2</sup>; WILSON SAVINO<sup>2</sup>;

1. Cell Structure and Dynamics Laboratory, National Cancer Institute, Rio de Janeiro.; 2. Laboratory on Thymus Research, Oswaldo Cruz Institute, Oswaldo Cruz Foundation, Rio de Janeiro;; 3. Universidade Federal de Alagoas, Maceió; 4. Universidade Federal de Alagoas, Maceió/Fundação Oswaldo Cruz, Rio de Janeiro.;

**CE83 - THE INCREASED OF NK NKG2D+ POPULATION IN HOSPITALIZED PATIENTS WITH SARS-COV2 IS RELATED TO PULMONARY IMPAIRMENT**

JOFER ANDREE ZAMAME RAMIREZ<sup>3</sup>; MARINA CAÇADOR AYUPEA<sup>3</sup>; CAIO LOUREIRO SALGADO<sup>3</sup>; DENISE MORAIS DA FONSECA<sup>3</sup>; ANA MARIA CAETANO DE FARIA<sup>2</sup>; RAFAEL PEREIRA DE SOUZA<sup>1</sup>; ANA PAULA ROCHA VEIGA<sup>1</sup>; LÍCIA TORRES<sup>2</sup>; LUCAS HANIEL DE ARAÚJO VENTURA<sup>2</sup>; VINÍCIUS DANTAS MARTINS<sup>2</sup>; MARIANA DE ALMEIDA OLIVEIRA<sup>2</sup>; GABRIELA PRANDI CAETANO<sup>1</sup>;

1. HOSPITAL EMILIO RIBAS; 2. UFMG; 3. USP;

**CE84 - THE INFLUENCE OF TEMPERATURE ON ASTROCYTE VIABILITY IN PRIMARY CULTURES OF NEWBORN RATS**

ITAMARA RAQUEL DOS ANJOS; JANAINA RIBEIRO PEREIRA SOARES; DENIS DE MELLO SOARES; SILVIA LIMA COSTA; CLARISSA DE SAMPAIO SCHITINE;  
UFBA;

**CE85 - THE LEVEL OF EXPRESSION OF TLR2 AND TLR4 ON CD4+ T CELLS DIRECTLY CORRELATE WITH THE RISK OF CLINICAL RELAPSES IN MULTIPLE SCLEROSIS PATIENTS**

MARISA DA CUNHA SALES<sup>3</sup>; TAISSA DE MATOS KASAHARA<sup>2</sup>; PRISCILA MENDONÇA SACRAMENTO<sup>3</sup>; MARCOS OCTÁVIO SALVATERRA CAFASSO<sup>2</sup>; ANA CLARA RODRIGUES PERCEGONI<sup>2</sup>; REGIS MARIANO DE ANDRADE<sup>1</sup>; CLÁUDIA CRISTINA FERREIRA VASCONCELOS; CLEONICE ALVES DE MELO BENTO<sup>4</sup>;

1. Department of General Medicine Department; 2. Department of Microbiology and Parasitology; 3. Department of Microbiology and Parasitology and Post-graduate Program in Microbiology/ University of the State of Rio de Janeiro; 4. Department of Microbiology and Parasitology, Department of General Medicine Department and Post-graduate Program in Neurology/UNIRIO; 5. Post-graduate Program in Neurology/Federal University of the State of Rio de Janeiro.;

**CE86 - THE ROLE OF AUTOPHAGY IN THE CONTROL OF LEGIONELLA PNEUMOPHILA IN VIVO INFECTION**

RHANOICA OLIVEIRA GUERRA; MARCO ANTONIO ATAIDE SILVA; DANIELLE PINI ALVES MASCARENHAS; DARIO SIMÕES ZAMBONI;  
Universidade de São Paulo - FMRP;

**CE87 - THE ROLE OF IMMUNE CELLS INFILTRATION IN NAD+ METABOLISM DISTURBANCES DURING MAYARO VIRUS INFECTION IN MICE**

MATHEUS ATELLA DE OLIVEIRA; MARIANA OLIVEIRA LOPES DA SILVA; IRANAIA ASSUNÇÃO MIRANDA; JULIANNA DIAS ZEIDLER; ANDREA THOMPSON DA POIAN;  
Universidade Federal do Rio de Janeiro - UFRJ;

**CE88 - THE ROLE OF MACROPHAGES IN THE DEVELOPMENT OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE**

IZABELA GALVAO; CHANTAL DONOVAN; MATT JOHANSEN; RICHARD KIM; PHILIP HANSBRO;  
UTS;

**CE90 - TLR-4 SIGNALING IN HEPATOCYTES, BUT NOT IN IMMUNE SYSTEM, IS THE MAIN DRIVER FOR HEPATIC METABOLIC ALTERATIONS DURING ENDOTOXEMIA**

HORTÊNCIA OLIVEIRA<sup>2</sup>; ARIANE BARROS DINIZ<sup>1</sup>; BRENDA NAEMI NAKAGAKI<sup>2</sup>; KAREN MARQUES OLIVEIRA<sup>2</sup>; MAISA MOTA ANTUNES<sup>2</sup>; MATHEUS SILVÉRIO DE MATTOS<sup>2</sup>; CAMILA DUTRA MOREIRA<sup>2</sup>; KASSIANA MAFRA BICALHO<sup>2</sup>; MARIA LUIZA PEDROSA<sup>2</sup>; MARIA ALICE FREITAS LOPES<sup>2</sup>; GABRIEL ALVIM<sup>2</sup>; ANDRÉ GUSTAVO OLIVEIRA<sup>2</sup>; JAMILLY DIAS DELFINO<sup>2</sup>; WANDERSON FERREIRA DA SILVA JÚNIOR<sup>2</sup>; DIEGO CRIMI DE CASTRO<sup>2</sup>; CRISTINA DE PAULA<sup>2</sup>; GUSTAVO MENEZES<sup>2</sup>;

1. HOSPITAL ISRAELITA ALBERT EINSTEIN; 2. UFMG;

**CE91 - TREATMENT OF SNAKEBITE: THERAPIES COADJUVANT TO CONVENTIONAL SERUM THERAPY USING PHOTOBIOMODULATION (LIGHT EMITTING DIODE) AND DEXAMETHASONE**

ALEX AUGUSTO FERREIRA E FERREIRA; HALLISON MOTA SANTANA; VALDISON PEREIRA DOS REIS; NERIANE MONTEIRO NÉRY; MILENA DANIELA SOUZA SILVA; SUZANNE NERY SERRATH; SULAMITA DA SILVA SETÚBAL; JULIANA PAVAN ZULIANI;  
FIOCRUZ/RO;

**CE92 - VENOM PEPTIDE TREATMENT IMPROVES SURVIVAL IN SEPSIS INDUCED IN MICE**

JESSE PEREIRA MACHADO VIANA; GABRIELLA MARIA MARINHO MESQUITA PINHEIRO; LUISA COUTINHO COELHO; PEDRO HENRIQUE BÜRGEL; AMANDDA ÉVELIN SILVA DE CARVALHO; MARCIA RENATA MORTARI; FELIPE SALDANHA DE ARAUJO; ANAMELIA LORENZETTI BOCCA; MÁRCIA CRISTINA GONÇALVES MACIEL;  
Universidade de Brasília;

**CE93 - MITOCHONDRIAL METABOLISM AS A KERATINOCYTE IMMUNE MODULATOR DURING THE PROGRESSION OF EXPERIMENTAL PSORIASIS**

LUÍS EDUARDO DUARTE GONÇALVES<sup>2</sup>; LUÍSA MENEZES SILVA<sup>2</sup>; BRUNO GHIROTTI NUNES<sup>3</sup>; MARCELLA CIPELLI<sup>2</sup>; DANIEL MARCONI<sup>2</sup>; RANIERI COELHO SALGADO<sup>2</sup>; PAULO JOSÉ BASSO<sup>2</sup>; MEIRE IOSHIE HIYANE<sup>2</sup>; SÉRGIO HENRIQUE HIRATA<sup>1</sup>; MARIA FERNANDA FORNI<sup>4</sup>; NIELS OLSEN SARAIVA CÂMARA<sup>2</sup>;

1. Universidade Federal de São Paulo; 2. Universidade de São Paulo; 3. Universität Erlangen-Nürnberg; 4. Yale University;

## CHEMOKINES AND TRAFFICKING (CT)

**CT02 - THE ROLE OF INFLAMMATORY MEDIATORS IN THE NEUROINFLAMMATION PROCESS IN ALZHEIMER'S DISEASE (AD)**

ANNA CAROLINE RODRIGUES FRANÇA ARRABAÇA; JULIA BENINNI LÓ; ANNA JULIA DE FRANÇA; LEONARDO MATIAS MAGALHÃES; LAIS XAVIER DOS SANTOS; ANELISE FRANCIOSI; Centro Universitário Filadélfia - Unifil;

## CLINICAL IMMUNOLOGY (CL)

**CL24 - NEUROINFLAMMATION IN THE DEVELOPMENT OF PARKINSON'S DISEASE**

JULIA BENINNI LÓ; ANNA CAROLINE RODRIGUES FRANÇA ARRABAÇA; ANELISE FRANCIOSI; ANNA JULIA DE FRANÇA; LAÍS XAVIER DOS SANTOS; LEONARDO MATIA MAGALHÃES; Centro Universitário Filadélfia - UNIFIL;

**CL25 - PRECISION MEDICINE AND MACHINE LEARNING TO PREDICT CRITICAL DISEASE AND DEATH DUE TO CORONAVIRUS DISEASE 2019 (COVID-19)**

WALTON LUIZ DEL TEDESCO JÚNIOR<sup>2</sup>; CAMILA CATALDI DE ALCANTARA<sup>2</sup>; TIAGO DANELLI<sup>2</sup>; ZULEICA NAOMI TANO<sup>2</sup>; PEDRO LUIS CANDIDO DE SOUZA CASSELA<sup>2</sup>; GUILHERME LERNER TRIGO<sup>2</sup>; KAUÊ DE MORAIS CARDOSO<sup>2</sup>; LIVIA PADOVAM LONI<sup>2</sup>; TAINAH MENDES AHRENS<sup>2</sup>; BEATRIZ RABELLO ESPINOSA<sup>2</sup>; ELAINE REGINA DELICATO DE ALMEIDA<sup>2</sup>; MARCELL ALYSSON BATISTI LOZOVYOY<sup>2</sup>; EDNA MARIA VISSOCI REICHE<sup>2</sup>; MICHAEL MAES<sup>1</sup>; ANDRÉA NAME COLADO SIMÃO<sup>2</sup>;

1. Deakin University; 2. University of Londrina;

**CL26 - PROGNOSTIC VALUE OF STREM-1 FOR DISEASE SEVERITY AND MORTALITY IN COVID-19 PATIENTS,****COOPERATIVE ACTIONS OF LEUKOCYTES AND MMP-8**

PEDRO VIEIRA DA SILVA NETO<sup>4</sup>; DIANA MOTRA TORO<sup>1</sup>; JONATAN CONSTANCA SILVA DE CARVALHO<sup>3</sup>; LUCIA HELENA FACCIOLI<sup>3</sup>; CARLOS ARTERIO SORGI<sup>2</sup>;

1. Universidade Federal do Amazonas - UFAM, Programa de Pós-Graduação em Imunologia Básica e Aplicada – PPGIBA, Manaus/AM, Brazil; 2. Departamento de Química. Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto - FFCLRP, Universidade de São Paulo - USP, Ribeirão Preto/SP, Br; 3. Faculdade de Ciências Farmacêuticas de Ribeirão Preto – FCFRP, Universidade de São Paulo – USP, Ribeirão Preto/SP, Brazil; 4. Universidade Federal do Amazonas - UFAM, Programa de Pós-Graduação em Imunologia Básica e Aplicada – PPGIBA, Manaus/AM, Brazil;

**CL27 - RECIPROCALLY DIVERGENT LEVELS OF TESTOSTERONE AND DIHYDROTESTOSTERONE ACCOMPANY PATTERNS OF ANDROGEN RECEPTOR PATHWAY SIGNALING TO DICTATE COVID-19 OUTCOMES IN MEN**

CAMILLA NARJARA SIMÃO OLIVEIRA<sup>3</sup>; MURILLO DUARTE SILVA<sup>3</sup>; CARLOS ALESSANDRO FUZO<sup>3</sup>; PEDRO VIEIRA DA SILVA NETO<sup>3</sup>; DIANA MOTA TORO<sup>3</sup>; VINÍCIUS EDUARDO PIMENTEL<sup>3</sup>; MALENA MARTINEZ PÉREZ<sup>3</sup>; THAIS FERNANDA DE CAMPOS FRAGA SILVA<sup>3</sup>; JONATAN CONSTANÇA SILVA DE CARVALHO<sup>3</sup>; FIRMINO MARTINS DOS SANTOS NETO<sup>3</sup>; FERNANDO CRIVELANTI VILAR<sup>3</sup>; AUGUSTO MARCUSSI DEGIOVANI<sup>1</sup>; LETICIA DE FREITAS CONSTANT<sup>1</sup>; FÁTIMA MAGRO OSTINI<sup>1</sup>; MARLEY RIBEIRO FEITOSA<sup>3</sup>; ROGERIO SERAFIM PARRA<sup>3</sup>; GILBERTO GAMBERO GASPARG<sup>3</sup>; JOSÉ JOAQUIM RIBEIRO DA ROCHA<sup>3</sup>; OMAR FERES<sup>3</sup>; ANGELINA LETTIERE VIANA<sup>3</sup>; ANA PAULA MORAIS FERNANDES<sup>3</sup>; SANDRA REGINA COSTA MARUYAMA<sup>2</sup>; ELISA MARIA DE SOUSA RUSSO<sup>3</sup>; VÂNIA LUIZA DEPERON BONATO<sup>3</sup>; ISABEL KINNEY FERREIRA DE MIRANDA SANTOS<sup>3</sup>; CARLOS ARTERIO SORGI<sup>3</sup>; MARCELO DIAS BARUFFI<sup>3</sup>; LÚCIA HELENA FACCIOLI<sup>3</sup>; CRISTINA RIBEIRO DE BARROS CARDOSO<sup>3</sup>;

1. Hospital Santa Casa de Misericórdia de Ribeirão Preto; 2. Universidade Federal de São Carlos; 3. Universidade de São Paulo;

**CL28 - RESTORATION OF PASTEURIZED DONORS BREAST MILK WITH MOTHERS OWN MILK MICROBIOTA FOR THE TREATMENT OF PRETERM NEWBORNS: PRELIMINARY RESULTS OF AN ONGOING CLINICAL STUDY**

CARLOS R. ZARATE-BLADES<sup>3</sup>; ISIS M.A. DE MELLO<sup>3</sup>; IZADORA B FRIZZO<sup>3</sup>; THAISE C SONCINI<sup>2</sup>; LUCAS F SOVERAL<sup>3</sup>; LIVIA B ESLABAO<sup>3</sup>; JUSSARA K PALMEIRO<sup>3</sup>; CARLOS A SORGI<sup>1</sup>; OSCAR BRUNA-ROMERO<sup>3</sup>; THAIS C SINCERO<sup>3</sup>; MARIA MARLENE S PIREZ<sup>3</sup>;

1. FFCLRP; 2. Maternidade Carmela Dutra; 3. UFSC;

**CL29 - SCD163 AS A POTENTIAL BIOMARKER FOR MORTALITY IN HYPERINFLAMMATORY COVID-19 PATIENTS**

MARLON FORTES ROCHA; ANA CAROLINA GUERTA SALINA; MIKHAEL HARUO FERNANDES DE LIMA; RENÉ DONIZETE RIBEIRO DE OLIVEIRA; PAULO LOUZADA JUNIOR; LARISSA DIAS DA CUNHA; Universidade de São Paulo;



**CL30 - SURVIVING DISEASES: LESSONS FROM COVID-19 LONG-TERM CARRIERS**

VICTORIA CÔRTEZ BASTOS; ELENA MONTES-COBOS; CLARICE MONTEIRO; JOÃO CARLOS RAMALHO DE FREITAS; HEINY DP FERNANDES; CLARICE S CONSTANCIO; DANIELLE AS RODRIGUES; ANDREZA M DOS SANTOS; VINICIUS M VIDAL; LETICIA S ALVES; LAURA Z RENAULT; GUILHERME S DE LIRA; VICTOR A OTA; CAROLINA CALOBA; AMILCAR TANURI; ORLANDO DC FERREIRA; DOMINIQUE KAISERLIAN; TEREZINHA M P P CASTIÑEIRAS; ANDRÉ M VALE; JULIANA ECHEVARRIA-LIMA; MARCELO T BOZZA; Universidade Federal do Rio de Janeiro;

**CL31 - THE INFLUENCE OF PHYSICAL ACTIVITY LEVEL ON THE INFLAMMATORY PROFILE OF YOUNG INDIVIDUALS POSITIVE FOR CYTOMEGALOVIRUS**

BRUNO MAURÍCIO CONTERNO GUIMARÃES; MARIA CAROLINA DA ROSA BOEIRA; GILSON PIRES DORNELES; WALDEMIR FERRARI JUNIOR; ALESSANDRA PERES; UFCSPA;

**CL32 - THE POSSIBLE IMPACT OF SERUM IGA ON IMMUNITY AND CLINICAL COURSE OF COVID-19 IN ADULTS**

AMANDA TORRENTES DE CARVALHO3; ISABELLA MARINS DACRIS3; GABRIEL NUNES SOARES1; DANIELLA CAMPELO BATALHA COX MOORES3; ZILTON FARIA MEIRA DE VASCONCELOS2; 1. Biomanguinhos FIOCRUZ; 2. Instituto Nacional de Saúde da Mulher e da Criança Fernandes Figueira - IFF; 3. Universidade Federal Fluminense - UFF;

**CL33 - URIC ACID: ANALYSIS OF THE INFLAMMATORY STATUS IN THE CONTEXT OF GOUT**

JORDANA DINORÁ DE LIMA; ANDRÉ GUILHERME PORTELA DE PAULA; BRUNA SADA E YUASA; CAIO CESAR SOUZA SMANIOTO; MARIA CLARA DA CRUZ SILVA; TÁRCIO TEODORO BRAGA; UFPR;

**CL34 - URINARY EXTRACELLULAR VESICLES AND IMMUNE MEDIATORS AS BIOMARKERS OF KIDNEY INJURY IN HOSPITALIZED PATIENTS WITH COVID-19**

LILIAN SANTOS DA SILVA ALVES1; JORGE REIS ALMEIDA1; MAURO JORGE CABRAL CASTRO2; THALIA MEDEIROS1; ANDREA ALICE DA SILVA1; 1. UFF; 2. UFRJ;

**CL35 - VIP PLASMA LEVELS ASSOCIATE WITH SURVIVAL IN SEVERE COVID-19 PATIENTS, CORRELATING WITH PROTECTIVE EFFECTS IN SARS-COV-2-INFECTED CELLS.**

JAIRO RAMOS TEMEROZO1; CAROLINA Q. SACRAMENTO1; NATALIA FINTELMAN-RODRIGUES1; CAMILA R. R. PÃO1; CAROLINE S. DE FREITAS1; SUELEN SILVA GOMES DIAS1; ANDRÉ C. FERREIRA1; MAYARA MATTOS1; VINICIUS CARDOSO SOARES1; LÍVIA TEIXEIRA1; ISACLAUDIA G. AZEVEDO-QUINTANILHA1; EUGENIO D. HOTTZ3; PEDRO KURTZ2; FERNANDO A. BOZZA1; PATRÍCIA T. BOZZA1; THIAGO MORENO L. SOUZA1; DUMITH CHEQUER BOU-HABIB1; 1. Fiocruz; 2. Instituto Estadual do Cérebro Paulo Niemeyer; 3. UFJF;

**CL36 - YOUNG ADULTS WITH SEVERE SARS-COV-2 PNEUMONIA EXHIBIT MONOCYTE DYSREGULATION BY POST-TRANSCRIPTIONAL ALTERATIONS THAT WERE ASSOCIATED WITH MORTALITY ON INTENSIVE CARE UNIT OF A HIGH COMPLEXITY HOSPITAL**

JUAN SEBASTIAN HENAO AGUDELO2; SEBASTIAN AYALA3; MARISOL BADIÉL OCAMPO1; ANDRES FELIPE ZEA VERA3; LORENA MATTA CORTES3; 1. HUV; 2. UCEVA; 3. UNIVALLE;

**IMMUNOLOGY OF INFECTIOUS AND PARASITIC DISEASES (ID)****ID081 - NEW ELISA AND LATERAL FLOW DEVICES BASED ON THE KINESIN RKL18.3 FROM L. INFANTUM APPLIED IN THE DIAGNOSIS OF CANINE VISCERAL LEISHMANIASIS WITH VALIDITY IN VACCINATED DOGS**

HENRIQUE COUTO TEIXEIRA3; ERICK ESTEVES DE OLIVEIRA3; PRISCILA SANTOS MARTINS DIAS3; MARIA DE LOURDES PALHARES ARAÚJO1; ALEXANDRE BARBOSA REIS4; ROUZBEH MAHDAVIR2; ULRICH STEINHOFF2; 1. Hospital Santo Agostinho; 2. Philipps University of Marburg; 3. Universidade Federal de Juiz de Fora; 4. Universidade Federal de Ouro Preto;

**ID082 - NUCLEOCAPSID-SPECIFIC CD8+ T CELLS AND ANTIBODIES CHARACTERIZE IMMUNE MEMORY RESPONSES IN SARS-COV-2 INFECTED CHILDREN**

JÚLIA CRISPIM DA FONTOURAS; KARINA LIMA5; TIAGO FAZOLO5; PRISCILA OLIVEIRA DE SOUZAS; GABRIEL HILARIO5; RENATA ZORZETTO5; LUIZ RODRIGUES JÚNIOR5; THIAGO J. BORGES2; LAIS DURÇO COIMBRA1; ALEXANDRE BORIN1; RAFAEL ELIAS MARQUES1; FABIANA GRANJA6; HELDER I. NAKAYA3; JOSÉ LUIZ MODENA1; MARCELO COMERLATO SCOTTA4; RENATO T. STEIN4; CRISTINA BONORINO5; 1. Brazilian Center for Research in Energy and Materials (CNPEM); 2. Harvard Medical School, Boston; 3. Hospital Israelita Albert Einstein; 4. Hospital Moinhos de Vento; 5. Universidade Federal de Ciências da Saúde de Porto Alegre - UFCSPA; 6. University of Campinas (Unicamp);

**ID083 - OBESITY ALTERS THE MACROPHAGES RESPONSE TO L. MAJOR IN C57BL/6 MICE**

VINICIUS DANTAS MARTINS1; LEONARDO GOMES VAZ1; SARA CANDIDA BARBOSA2; LÍCIA TORRES1; LEDA QUERCIA VIEIRA1; ANA MARIA CAETANO DE FARIA1; TATIANI UCELI MAIOLI1; 1. UFMG; 2. USP;

**ID084 - OMEGA-3 (DHA) PROTECTS FROM METABOLIC ALTERATIONS AND MITOCHONDRIAL DISTURBANCES DURING MICROGLIAL INFLAMMATION CAUSED BY ZIKA VIRUS**

HELOISA ANTONIELLA BRAZ DE MELO<sup>3</sup>; GABRIEL PASQUARELLI DO NASCIMENTO<sup>3</sup>; IGOR DE OLIVEIRA SANTOS<sup>3</sup>; LEONARDO ASSIS DA SILVA<sup>3</sup>; BRUNO MILHOMEM PILATI RODRIGUES<sup>3</sup>; DEBORA SANTOS SILVA<sup>3</sup>; PAULA MARIA QUAGLIO BELLOZI<sup>3</sup>; LORRAINY ANASTÁCIO BARTASSON<sup>1</sup>; RAQUEL DAS NEVES ALMEIDA<sup>3</sup>; LETICIA ROCHA QUINTINO SOUZA<sup>2</sup>; KAREN LETYCIA RODRIGUES DE PAIVA<sup>3</sup>; ANDREZA FABRO DE BEM<sup>3</sup>; SÔNIA NAIR BÃO<sup>3</sup>; BERGMANN MORAES RIBEIRO<sup>3</sup>; MARÍLIA ZALUAR GUIMARÃES<sup>2</sup>; STEVENS KASTRUP REHEN<sup>2</sup>; THOMAS CHRISTOPHER RHYS WILLIAMS<sup>3</sup>; KELLY GRACE MAGALHÃES<sup>3</sup>;  
1. Central Laboratory of Federal District (LACEN-DF); 2. D'Or Institute of Research; 3. University of Brasília (UnB);

**ID085 - OMEGA-3 DHA TRIGGERS PYROPTOSIS CELL DEATH DURING MICROGLIAL ZIKV INFECTION: A POTENTIAL MECHANISM LINKED TO AN ANTIVIRAL RESPONSE**

FERNANDA GOMES LAGO; HELOÍSA ANTONIELLA BRAZ DE MELO; KELLY GRACE MAGALHÃES;  
Universidade de Brasília (UnB);

**ID086 - PD-1 BLOCKADE MODULATES FUNCTIONAL ACTIVITIES OF EXHAUSTED-LIKE T CELL IN PATIENTS WITH CUTANEOUS LEISHMANIASIS**

RENAN GARCIA DE MOURA<sup>1</sup>; LUCIANA POLACO COVRE<sup>1</sup>; CARLOS HENRIQUE FANTECELLE<sup>1</sup>; VITOR ALEJANDRO TORRES GAJARDO<sup>1</sup>; HERBERT LEONEL DE MATOS GUEDES<sup>2</sup>; DAVID MOSSER<sup>4</sup>; ALOISIO FALQUETO<sup>1</sup>; ARNE AKBAR<sup>3</sup>; DANIEL CLÁUDIO OLIVEIRA GOMES<sup>1</sup>;  
1. Universidade Federal do Espírito Santo; 2. Universidade Federal do Rio de Janeiro; 3. University College London; 4. University of Maryland;

**ID087 - PD1 – PDL1 PATHWAY REGULATES HUMAN RESPONSE TO LEISHMANIA PARASITES**

MARIA CLARA DOS SANTOS BARROS MARTINS<sup>2</sup>; ELANE MACIEL<sup>2</sup>; GIULIA LOPES<sup>2</sup>; LUCAS CAXANGÁ<sup>2</sup>; LÍVIA MENDONÇA<sup>2</sup>; SARAH FALCAO<sup>2</sup>; CECILIA FAVALI<sup>1</sup>;  
1. Universidade de Brasília; 2. Universidade de Brasília;

**ID088 - PENTOXIFYLLINE DOWNREGULATES THE INFLAMMATORY PROFILE OF CD4-CD8- T CELLS IN PATIENTS WITH CHRONIC CHAGAS CARDIOMYOPATHY**

EULA GRACIELE AMORIM NEVES<sup>2</sup>; CAROLINA KATTONI KOH<sup>2</sup>; PEDRO PAULO DINIZ LUCINDA<sup>2</sup>; NAIARA INGRID MEDEIROS<sup>2</sup>; JULIANA DE ASSIS SILVA GOMES ESTANISLAU<sup>12</sup>; SILVANA DE ARÁUJO SILVA<sup>2</sup>; KENNETH JOHN GOLLOB<sup>1</sup>; MARIA DO CARMO PEREIRA NUNES<sup>2</sup>; WALDEREZ ORNELAS DUTRA<sup>2</sup>;  
1. Hospital Israelita Albert Einstein; 2. Universidade Federal de Minas Gerais;

**ID089 - PERFORMANCE OF THE RECOMBINANT ANTIGENS RLB6H (L. BRAZILIENSIS), RK28, RK39, 39R2 AND 39R4 (L. DONOVANI AND L. INFANTUM) IN THE DIAGNOSIS OF CANINE VISCERAL LEISHMANIASIS**

ERICK ESTEVES DE OLIVEIRA<sup>3</sup>; INGRID ESTEVAM PEREIRA<sup>3</sup>; CAROLINA MARTINS MOREIRA ELIAS<sup>3</sup>; ALEXANDRE BARBOSA REIS<sup>4</sup>; ULRICH STEINHOFF<sup>2</sup>; MALCOLM DUTHIE<sup>1</sup>; HENRIQUE COUTO TEIXEIRA<sup>3</sup>;  
1. HDT Biocorp; 2. Philipps-Universität Marburg; 3. Universidade Federal de Juiz de Fora; 4. Universidade Federal de Ouro Preto;

**ID090 - PERSISTING PLATELET ACTIVATION AND HYPERREACTIVITY IN COVID-19 SURVIVORS**

REMY MARTINS-GONÇALVES<sup>4</sup>; MARIANA CAMPOS<sup>4</sup>; LOHANNA PALHINHA<sup>2</sup>; ISACLAUDIA GOMES AZEVEDO-QUINTANILHA<sup>2</sup>; MAYARA ABUD MENDES<sup>1</sup>; JULIA TOLEDO MENDES<sup>1</sup>; PAULO ROSADO DE CASTRO<sup>1</sup>; FERNANDO AUGUSTO BOZZA<sup>1</sup>; ROSANA SOUZA RODRIGUES<sup>1</sup>; EUGÊNIO DAMACENO HOTTZ<sup>3</sup>; PATRICIA T. BOZZA<sup>2</sup>;  
1. IDOR - Instituto D'Or de Ensino e Pesquisa; 2. Laboratório de Imunofarmacologia - ICO/FIOCRUZ; 3. Laboratório de Imunotrombose - UFJF; 4. Programa de Pós Graduação em Imunologia e Inflamação - UFJF;

**ID091 - PGE2 AND LTb4 PLASMA LEVELS DURING LEISHMANIA INFANTUM INFECTION OF MESOCRICETUS AURATUS**

YASMIN MONARA FERREIRA DE SOUSA ANDRADE<sup>1</sup>; JONATHAN LUÍS MAGALHÃES FONTES<sup>2</sup>; ASTRID MADELEINE CALERO GOICOCHEA<sup>2</sup>; FLÁVIO HENRIQUE DE JESUS SANTOS<sup>2</sup>; BIANCA RAMOS MESQUITA<sup>2</sup>; VANESSA MANÇUR SANTOS<sup>2</sup>; HAYNA MALTA SANTOS<sup>2</sup>; JÉSSICA REBOUÇAS SILVA<sup>2</sup>; JESSICA LOBO DA SILVA<sup>2</sup>; BRUNA MARTINS MACEDO LEITE<sup>2</sup>; DEBORAH BITTENCOURT MOTHÉ FRAGA<sup>2</sup>; CARLOS ARTERIO SORGIA<sup>4</sup>; LEONARDO PAIVA FARIAS<sup>2</sup>; WASHINGTON LUIS CONRADO DOS SANTOS<sup>1</sup>; THEO DE ARAÚJO SANTOS<sup>3</sup>; VALÉRIA DE MATOS BORGES<sup>1</sup>;  
1. Fiocruz /IGM; 2. Fiocruz/IGM; 3. UFOP; 4. USP;

**ID092 - PHOSPHATIDYLSERINE BLOCKADE DECREASES PARASITE DISSEMINATION IN A MODEL OF SYSTEMIC LEISHMANIA AMAZONENSIS INFECTION**

ARIELI BERNARDO PORTUGAL<sup>2</sup>; RENATO AUGUSTO DAMATTA<sup>2</sup>; JOÃO LUIZ MENDES WANDERLEY<sup>1</sup>;  
1. Centro Multidisciplinar UFRJ Macaé - Instituto de Ciências Médicas; 2. Universidade Estadual do Norte Fluminense - Darcy Ribeiro;

**ID093 - POST-COVID HUMAN GUT MICROBIOTA INDUCES MEMORY IMPAIRMENT IN MICE AFTER FECAL MICROBIOTA TRANSPLANTATION**

MAYRA FERNANDA RICCI<sup>2</sup>; VIVIANI MENDES DE ALMEIDA<sup>2</sup>; DAIANE DE FÁTIMA ENGEL<sup>3</sup>; CLÊNIO SILVA CRUZ<sup>2</sup>; JOÃO MAGALHÃES<sup>2</sup>; GIULIANA DA SILVA ZUCCOLI<sup>1</sup>; BRADLEY JOSEPH SMITH<sup>1</sup>; VICTOR CORASOLLA CARREGARI<sup>1</sup>; ELAYNE CRISTINA MACHADO<sup>2</sup>; VICTOR MELO ROCHA<sup>2</sup>; TONIANA G. CARVALHO<sup>2</sup>; LARISSA DE SOUZA BARBOSA LACERDA<sup>2</sup>; JORDANE CLARISSA PIMENTA<sup>2</sup>; IZABELA GALVÃO<sup>2</sup>; MARIANA AGANETTI SILVA<sup>2</sup>; ERIKA DA SILVA ROSA<sup>2</sup>; FABIOLA MARA RIBEIRO<sup>2</sup>; VIVIAN VASCONCELOS COSTA<sup>2</sup>; DANIEL MARTINS-DE-SOUZA<sup>1</sup>; ANGÉLICA THOMAZ VIEIRA<sup>2</sup>;

1. Universidade Estadual de Campinas; 2. Universidade Federal de Minas Gerais; 3. Universidade Federal de Ouro Preto;

**ID094 - POST-COVID-19 SYMPTOMS IN MILD COVID-19, LOW-GRADE INFLAMMATION, AND INFLAMMATORY MARKERS: A PROSPECTIVE COHORT STUDY**

WELLYNGTON MATHEUS DE SOUZA SANTIAGO<sup>2</sup>; LEANDRO MARTIN PAULINO<sup>2</sup>; AMANDA RIBEIRO DOS SANTOS<sup>2</sup>; ANTONIO LUIZ DAL BELLO GASPAROTO<sup>2</sup>; ANA PAULA DA COSTA MARQUES<sup>2</sup>; SANDRA MARIA DO VALLE LEONE DE OLIVEIRA<sup>1</sup>; ANA RITA COIMBRA MOTTA DE CASTRO<sup>3</sup>; BARBARA CASELLA AMORIM<sup>2</sup>; ANAMARIA MELLO MIRANDA PANIAGO<sup>2</sup>; MARIANA TRINIDAD RIBEIRO DA COSTA GARCIA CRODA<sup>2</sup>; ROBSON VINÍCIUS ALVES DIAS<sup>2</sup>; MARIANA COSTA MARQUES<sup>2</sup>; HENRIQUE FERREIRA DE BRITO<sup>2</sup>; YUREE MILHOMEM BANDEIRA HERÊNIO<sup>2</sup>; THIAGO FRANCHI NUNES<sup>2</sup>; JÚLIO HENRIQUE ROSA CRODA<sup>3</sup>; ALINE PEDROSO LORENZ<sup>2</sup>; JAMES VENTURINI<sup>2</sup>;

1. Fundação Oswaldo Cruz (Fiocruz); 2. Universidade Federal de Mato Grosso do Sul; 3. Universidade Federal de Mato Grosso do Sul e Fundação Oswaldo Cruz (Fiocruz);

**ID095 - POTENTIAL PROTECTIVE EFFECTS AGAINST TRYPANOSOMA CRUZI INFECTION IN VIVO AND IN VITRO PROVIDED BY TREATMENT WITH ZILEUTON**

FERNANDO BENTO RODRIGUES OLIVEIRA; RAFAELA DAS DORES PEREIRA; RAYANE APARECIDA NONATO RABELO; RONAN RICARDO SABINO ARAÚJO; FABIANA SIMÃO MACHADO; UFMG;

**ID096 - PROSTAGLANDIN E2 CONTRIBUTES TO THE SURVIVAL OF LEISHMANIA BRAZILIENSIS AND THERAPEUTIC FAILURE IN CUTANEOUS LEISHMANIASIS PATIENTS**

MAURÍCIO TEIXEIRA NASCIMENTO; DÉBORA LEAL VIANA; FÁBIO DE CARVALHO PEIXOTO; SÉRGIO MARCOS ARRUDA; EDGAR MARCELINO DE CARVALHO FILHO; LUCAS PEDREIRA DE CARVALHO; Fiocruz-BA;

**ID097 - RECOMBINANTE PROTEIN PRODUCTION USING EUKARYOTIC CELLS INFECTED WITH LENTIVIRAL VECTOR PLATAFORM FOR DEVELOPEMTE OF POINT OF CARE TESTS**

JÚLIA DE SOUZA REIS; CID OLIVEIRA DE QUEIROZ; KARINE LIMA LOURENÇO; GABRIELA DE ASSIS BURLE CALDAS; FLÁVIA FONSECA BAGNO; FLÁVIO GUIMARÃES DA FONSECA; SANTUZA MARIA RIBEIRO TEIXEIRA; CT Vacinas - UFMG;

**ID098 - REPROGRAMMING METABOLIC MURINE MACROPHAGE: LEISHMANIA AMAZONENSIS AND LEISHMANIA BRAZILIENSIS ALTERS REPROGRAMMING METABOLIC IN INFECTED MACROPHAGES**

ELAINE CARVALHO DE OLIVEIRA<sup>2</sup>; GABRIELA DUARTE DA SILVA<sup>2</sup>; RAFAEL TIBÚRCIO<sup>1</sup>;

1. FIOCRUZ IGM; 2. Fiocruz Bahia;

**ID099 - ROLE OF SOCS2 DURING THE EXPERIMENTAL CHRONIC PHASE OF CHAGAS DISEASE ASSOCIATED WITH CORONAVIRUS MHV-3 COINFECTION**

CÉSAR LUÍS NASCIMENTO BARBOSA; RAYANE APARECIDA NONATO RABELO; RAFAELA DAS DORES PEREIRA; CELSO MARTINS QUEIROZ JUNIOR; NATALIA FERNANDA DE MELO OLIVEIRA; LAURA LIS DE OLIVEIRA SANTOS; FERNANDO BENTO RODRIGUES OLIVEIRA; LÍVIA FERNANDA DIAS SANTANA; MARIA CLARA DA SILVA BASTOS; ALLYSSON THIAGO CRAMER SOARES; FABIANA SIMÃO MACHADO; UFMG;

**ID100 - ROLE OF THE IMMUNOMODULATION OF FERROPORTIN EXPRESSION AND IRON HOMEOSTASIS IN MYELOID LEUKOCYTES IN THE PATHOGENESIS OF MYCOBACTERIUM TUBERCULOSIS INFECTION**

MARINA BONIFÁCIO DENADA<sup>1</sup>; ANDRÉ APARECIDO SANTOS CORREA; JOSEANA DE OLIVEIRA; VÂNIA LUIZA DEPERON BONATO; DIEGO LUÍS COSTA; USP;

**ID101 - SELF-PEPTIDES THAT INTERACT WITH DERA- BEARING HLA-DRB1 ALLELES ACTIVATE CD4+ T-CELLS FROM PATIENTS WITH CHAGAS DISEASE CARDIOMYOPATHY**

THAIANY GOULART DE SOUZA E SILVA<sup>4</sup>; EULA G. A. NEVES<sup>4</sup>; CAROLINA CATTONI KOH<sup>4</sup>; KENNETH J. GOLLOB<sup>3</sup>; MARIA APARECIDA JULIANO<sup>2</sup>; LUIZ JULIANO<sup>2</sup>; MARIA DO CARMO PEREIRA NUNES<sup>1</sup>; WALDEREZ ORNELAS DUTRA<sup>4</sup>;

1. Departamento Clínica Médica, Faculdade de Medicina, Universidade Federal de Minas Gerai; 2. Escola Paulista de Medicina, UNIFESP; 3. Hospital Israelita Albert Einstein; 4. Universidade Federal de Minas Gerais;

**ID102 - SIGNALING THROUGH AXL RECEPTOR PLAYS A HOST-PROTECTIVE ROLE DURING EXPERIMENTAL TUBERCULOSIS**

ANDRÉ APARECIDO DOS SANTOS CORREA; MARINA BONIFÁCIO DENADA; JOSEANA DE OLIVEIRA; VÂNIA LUIZA DEPERON BONATO; DIEGO LUÍS COSTA;

Universidade de São Paulo;



**ID103 - STUDY ON THE ROLE OF THE UBIQUITIN LIGASE SMURF1 IN HOST RESISTANCE TO INFECTION USING AN EXPERIMENTAL MODEL OF MURINE CORONAVIRUS INFECTION**

ANDERSON PHILIP NONATO SANTOS; LUIZ PEDRO DE SOUZA-COSTA; FELIPE ROCHA DA SILVA SANTOS; JORDANE CLARISSE PIMENTA; FERNANDA DE LIMA TANA; DANIELLE CUNHA TEIXEIRA; MANOELA GONZAGA GONTIJO DO COUTO; MAURO MARTINS TEIXEIRA; VIVIAN VASCONCELOS COSTA; LUÍS HENRIQUE FRANCO; Federal University of Minas Gerais;

**ID104 - SYSTEMIC DENGUE VIRUS INFECTION INDUCES ACUTE NEUROINFLAMMATION THAT COUNTERACTS ZIKA VIRUS DISEASE IN A129 MICE.**

JÉSSICA APARECIDA BARSALINI PEREIRA; VICTOR RODRIGUES SANTOS; VIVIAN VASCONCELOS COSTA LITWINSKI; UFMG;

**ID105 - T-CELL EXHAUSTION INDUCED DURING MALARIA COMPROMISES THE CLINICAL COURSE OF CUTANEOUS LEISHMANIASIS**

UYLA ORNELLAS-GARCIA; LUCAS FREIRE-ANTUNES; CARINA H. G. DE SOUSA; MARCOS V. RANGEL-FERREIRA; MÔNICA L. RIBEIRO-ALMEIDA; CLÁUDIO T. DANIEL-RIBEIRO; FLÁVIA L. RIBEIRO-GOMES; IOC (FIOCRUZ);

**ID106 - TARGETING ACYL-COA:CHOLESTEROL ACYLTRANSFERASE DURING SARS-COV-2 INFECTION**

JULIA DA CUNHA SANTOS1; SUELEN DA SILVA GOMES DIAS1; VINICIUS CARDOSO SOARES2; ISACLAUDIA GOMES AZEVEDO-QUINTANILHA1; 1. Fiocruz; 2. UFRJ;

**ID107 - THE EFFECTS OF ANTIRETROVIRAL THERAPY TENOFOVIR, LAMIVUDINE AND DOLUTEGRAVIR ON SERUM LEVELS OF CYTOKINES AND CHEMOKINES IN AIDS.**

CLAUDEIR DIAS DA SILVA JUNIOR4; BRUNO ALMEIDA SILVA4; ERICA JANAÍNA DA SILVA2; MILENA MARCIA DA SILVA2; JULIANA PADRO GONÇALES1; VIRGINIA MARIA BARROS DE LORENA3; LÍBIA CRISTINA ROCHA VILELA MOURA14; 1. Grupo Ser Educacional; 2. Hospital Correia Picanço; 3. Instituto de Pesquisa Aggeu Magalhães; 4. Universidade Federal de Pernambuco;

**ID108 - THE HEART LESIONS OF MICE COINFECTED WITH TRYPANOSOMA CRUZI AND SARS-COV-2**

HELLEN ANASTÁCIA DA SILVA SOARES2; MARIA CLÁUDIA DA SILVA1; LUCIANA BENEVIDES1; BRUNA AMANDA DA CRUZ RATTIS1; RICARDO TOSTES GAZZINELLI1; JOAO SANTANA DA SILVA1; 1. Fiocruz SP; 2. Universidade de São Paulo/Fiocruz SP;

**ID109 - "THE INFLUENCE OF HOST GENETICS IN COVID-19: A STUDY WITH LIVING TOGETHER TWINS"**

MATEUS VIDIGAL DE CASTRO1; MONÍZE V. R. DA SILVA1; LARISSA R. B. MATOS1; MICHEL S. NASLAVSKY1; VIVIAN R. CÓRIA1; JHOSIENE Y. MAGAWA2; KEITY S. SANTOS2; EDECIO CUNHA-NETO2; MARIA RITA PASSOS-BUENO1; MAYANA ZATZ1; 1. Human Genome and Stem Cell Research Center, University of São Paulo; 2. Laboratório de Imunologia, Instituto do Coração (InCor), LIM19, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, (HCFMUSP);

**ID110 - THE INTERFEROME OF DENGUE INFECTION REVEALS NEW BIOMARKERS OF PHASE AND DISEASE SEVERITY**

JÚLIA NAKANISHI USUDA2; ALEXANDRE H.C. MARQUES1; LENA F. SCHIMKE1; OTAVIO CABRAL-MARQUES1; DESIRÉE RODRIGUES PLAÇA2; 1. Institute of Biomedical Sciences, University of São Paulo; 2. School of Pharmaceutical Sciences, University of São Paulo;

**ID111 - THE ROLE OF ANNEXIN A1 IN THE REGULATION OF INFLAMMATORY RESPONSE AND DEVELOPMENT OF TOXOPLASMOSIS: PARTICIPATION OF THE INTESTINAL MICROBIOTA**

RAYANE APARECIDA NONATO RABELO; CÉSAR LUÍS NASCIMENTO BARBOSA; RAFAELA DAS DORES PEREIRA; SAMUEL LUIZ TEIXEIRA PORTO; NATALIA FERNANDA DE MELO OLIVEIRA; FERNANDO BENTO RODRIGUES OLIVEIRA; LÍVIA FERNANDA; LAURA LIS DE OLIVEIRA SANTOS; CELSO MARTINS QUEIROZ JUNIOR; ALLYSSON THIAGO CRAMER SOARES; CAIO TAVARES FAGUNDES; FABIANA SIMÃO MACHADO; UFMG;

**ID112 - THE TREATMENT OF PERITONEAL MACROPHAGES WITH AQUEOUS OZONE INCREASES THE CAPACITY OF MACROPHAGES TO KILL AMASTIGOTES OF LEISHMANIA AMAZONENSIS IN VITRO.**

CARLA DIEL FABRINI2; RAFAEL ANDRADE MENOLLI1; THAIS SOPRANI AYALA3; 1. Unioeste; 2. Univel; 3. Univel e Unioeste;

**ID113 - THE UBIQUITIN LIGASE SMURF1 REGULATES VIRAL REPLICATION AND CELL DEATH IN CORONAVIRUS-INFECTED MACROPHAGES**

LUIZ PEDRO DE SOUZA-COSTA1; FELIPE ROCHA DA SILVA SANTOS2; JORDANE CLARISSE PIMENTA2; DANIELLE CUNHA TEIXEIRA2; JOSIANE TEIXEIRA DE ANDRADE CHAVES2; MAURO MARTINS TEIXEIRA2; VIVIAN VASCONCELOS COSTA2; LUÍS HENRIQUE FRANCO2; 1. Federal University of Minas Gerais; 2. Federal university of Minas Gerais;

**ID114 - TOXOPLASMA GONDII ELICITS A MORE PRONOUNCED INFLAMMATORY RESPONSE IN NATURALLY INFECTED ADULTS WITHOUT OCULAR LESIONS**

PRISCILLA MIRANDA HENRIQUES<sup>3</sup>; GREGÓRIO GUILHERME ALMEIDA<sup>3</sup>; INGA RIMKUTE<sup>6</sup>; THOMAS LIECHTIS<sup>5</sup>; LUARA ISABELA DOS SANTOS<sup>2</sup>; ANA PAULA MARINO<sup>3</sup>; DANIEL VASCONCELOS SANTOS<sup>1</sup>; RICARDO TOSTES GAZZINELLI<sup>3</sup>; OLINDO ASSIS MARTINS-FILHO<sup>3</sup>; MARIO ROEDERER<sup>5</sup>; ALAN SHER<sup>4</sup>; DRAGAN JANKOVIC<sup>5</sup>; ANDRÉA TEIXEIRA DE CARVALHO<sup>3</sup>; LIS RIBEIRO DO VALLE ANTONELLI<sup>3</sup>;

1. DEPARTMENT OF OPHTHALMOLOGY AND OTORINOLARYNGOLOGY; 2. FACULDADE DE CIÊNCIAS MÉDICAS DE MINAS GERAIS; 3. Fiocruz Minas; 4. NATIONAL INSTITUTE OF ALLERGY AND INFECTIO; 5. NATIONAL INSTITUTES OF HEALTH; 6. NATIONAL INSTITUTES OF HEALTH,;

**ID115 - TRANSCRIPTOMIC LANDSCAPE OF SKIN LESIONS IN CUTANEOUS LEISHMANIASIS REVEALS A STRONG CD8 T CELL IMMUNOSENESCENCE SIGNATURE LINKED TO IMMUNOPATHOLOGY**

CARLOS HENRIQUE FANTECELLE<sup>1</sup>; LUCIANA POLACO COVRE<sup>1</sup>; RENAN GARCIA DE MOURA<sup>1</sup>; HERBERT LEONEL DE MATOS GUEDES<sup>2</sup>; CAMILA FARIAS AMORIM<sup>4</sup>; PHILLIP SCOTT<sup>4</sup>; ALOISIO FALQUETO<sup>1</sup>; ARNE AKBAR<sup>3</sup>; DANIEL CLÁUDIO OLIVEIRA GOMES<sup>1</sup>;

1. Universidade Federal do Espírito Santo; 2. Universidade Federal do Rio de Janeiro; 3. University College London; 4. University of Pennsylvania;

**ID116 - UNCOVERING HOST-PLASMODIUM INTERACTIONS VIA INTEGRATIVE ANALYSIS OF DUAL TRANSCRIPTOMES**

PEDRO FELIPE LOIOLA SOUZA; BÁRBARA FERNANDES SILVA; NÁGILA ISLEIDE SILVA; LUIZ GUSTAVO GARDINASSI; Department of Biosciences and Technology, Institute of Tropical Pathology and Public Health, Federal University of Goiás;

**ID117 - USUTU VIRUS ENCEPHALITIS: ESTABLISHMENT OF A MOUSE MODEL AND CHARACTERIZATION OF SEVERE DISEASE**

REBECA FRÓES ROCHA; LAÍS DURÇO COIMBRA; MARINA FONTOURA; ALEXANDRE BORIN; JAQUELINE FELIPE; GIULIANA EBOLI SOTORILLI; RAFAEL ELIAS MARQUES; CNPEM;

**ID118 - WOUND HEALING ACCELERATION AND LOCAL IMMUNOMODULATION CAUSED BY OZONATED OIL IN THE TREATMENT OF CUTANEOUS LEISHMANIASIS**

ISAAC LOREIRO CABRAL; LUCAS BONATTO DE SOUZA LIMA; AMANDA STEFANELLO; DANIELA PATRÍCIA TRES; THAÍS SOPRANI AYALA; RAFAEL ANDRADE MENOLLI; Universidade Estadual do Oeste do Paraná;

**ID119 - ZIKV INFECTION DURING PREGNANCY DYSREGULATES KYNURENINE PATHWAY**

THIAGO BARROS DO NASCIMENTO DE MORAIS<sup>1</sup>; TANIA CRISTINA SUMITA<sup>2</sup>; ANDRESSA KARINA LEITÃO DA ENCARNANÇA<sup>2</sup>; LEONARDO BRANDÃO DE MATOS<sup>2</sup>; DANIEL AUGUSTO DE TOLEDO TEIXEIRA<sup>3</sup>; JOSÉ LUIZ PROENÇA MÓDENA<sup>3</sup>; CARLA CRISTINA JUDICE MARIA<sup>3</sup>; FÁBIO TRINDADE MARANHÃO COSTA<sup>3</sup>; PRITESH JAYCHAND LALWANI<sup>1</sup>;

1. Instituto Leônidas e Maria Deane, Fiocruz Amazônia; 2. Instituto Nacional de Pesquisas da Amazônia (INPA); 3. Universidade de Campinas (UNICAMP);

**ID120 - ZILEUTON EFFECT IN A MURINE MODEL OF ACUTE RESPIRATORY SYNDROME (SARS) INDUCED BY A BETACORONAVIRUS**

RAFAELA DAS DORES PEREIRA; RAYANE APARECIDA NONATO RABELO; NATALIA FERNANDA DE MELO OLIVEIRA; ALLYSSON THIAGO CRAMER SOARES; CÉSAR LUÍS NASCIMENTO BARBOSA; LÍVIA FERNANDA DIAS SANTANA; LAURA LIS DE OLIVEIRA SANTOS; FERNANDO BENTO RODRIGUES OLIVEIRA; VIVIAN VASCONCELOS COSTA; FABIANA SIMÃO MACHADO; UFMG;

**ID121 -  $\Gamma\Delta$ +CD8<sup>+</sup> T-CELLS ARE ASSOCIATED WITH CHAGAS DISEASE CARDIOMYOPATHY**

PEDRO PAULO DINIZ LUCINDA<sup>3</sup>; JULIANA ESTANISLAU<sup>3</sup>; MARIA DO CARMO PEREIRA NUNES<sup>1</sup>; SILVANA ARAUJO<sup>1</sup>; EULA GRACIELE AMORIM NEVES<sup>3</sup>; CAROLINA CATTONI KOH<sup>3</sup>; WALDEREZ ORNELAS DUTRA<sup>4</sup>; NAYARA INGRID MEDEIROS<sup>3</sup>; KENNETH J. GOLLOB<sup>2</sup>;

1. 2Depto. Clínica Médica, Faculdade de Medicina, Universidade Federal de Minas Gerais; 2. Hospital Israelita Albert Einstein; Instituto Nacional de Ciência e Tecnologia em Doenças Tropicais, INCT-DT.; 3. Lab. Biologia das Interações Celulares, Depto. Morfologia, Instituto de Ciências Biológicas, UFMG; 4. Lab. Biologia das Interações Celulares, Depto. Morfologia, Instituto de Ciências Biológicas, UFMG; INCT-DT;

**ID122 - INVESTIGATION OF METABOLIC REPROGRAMMING IN HUMANS MONOCYTES INFECTED WITH LEISHMANIA AMAZONENSIS AND LEISHMANIA BRASILIENSIS**

GABRIELA DUARTE DA SILVA<sup>1</sup>; ELAINE CARVALHO DE OLIVEIRA<sup>1</sup>; AMANDA MARIA LAGO DE CASTRO LEAL<sup>3</sup>; CLÁUDIA IDA BRODSKY<sup>2</sup>;

1. Federal University of Bahia; 2. Oswaldo Cruz Foundation (FIOCRUZ); 3. UNIFACS University Salvador;



## IMMUNOPHARMACOLOGY (IP)



### IP20 - **LEUKOTRIENES IN TYPE 1 DIABETES: ACTIVATION OF A DISTINCT IMMUNOMETABOLIC PHENOTYPE IN MACROPHAGES**

NAYARA PEREIRA;  
ICBUSP;

### IP21 - **LIPID DROPLETS CONTRIBUTE TO SARS-COV-2 INFECTION AND INFLAMMATORY PROCESS IN HUMAN CELLS**

SUELEN DA SILVA GOMES DIAS<sup>1</sup>; VINICIUS CARDOSO SOARES<sup>3</sup>; ANDRÉ C. FERREIRA<sup>1</sup>; CAROLINA Q. SACRAMENTO<sup>1</sup>; NATALIA FINTELMAN-RODRIGUES<sup>1</sup>; JAIRO R. TEMEROZO<sup>1</sup>; LÍVIA TEIXEIRA<sup>1</sup>; MARCOS ALEXANDRE NUNES DA SILVA<sup>1</sup>; ESTER BARRETO<sup>1</sup>; MAYARA MATTOS<sup>1</sup>; CAROLINE S. DE FREITAS<sup>1</sup>; ISACLAUDIA G. AZEVEDO-QUINTANILHA<sup>1</sup>; PEDRO PAULO A. MANSO<sup>1</sup>; MILENE D. MIRANDA<sup>1</sup>; MARILDA MENDONÇA SIQUEIRA<sup>1</sup>; EUGENIO D. HOTTZ<sup>2</sup>; CAMILA R. R. PÃO<sup>1</sup>; DEBORA F. BARRETO-VIEIRA<sup>1</sup>; DUMITH C. BOU-HABIB<sup>1</sup>; FERNANDO A. BOZZA<sup>1</sup>; THIAGO M. L. SOUZA<sup>1</sup>; PATRÍCIA T. BOZZA<sup>1</sup>;

1. Fundação Oswaldo Cruz; 2. Universidade Federal de Juiz de Fora; 3. Universidade Federal do Rio de Janeiro;

### IP22 - **LIPID DROPLETS CONTRIBUTE TO SEPSIS-ASSOCIATED HEPATIC DYSFUNCTION THROUGH THE AMPLIFICATION OF LIPID PEROXIDATION AND INFLAMMATION.**

HUGO ESPINHEIRA DA SILVA<sup>3</sup>; LÍVIA TEIXEIRA<sup>1</sup>; FILIPE S. PEREIRA-DUTRA<sup>1</sup>; TAMIRES DA CUNHA FERNANDES<sup>1</sup>; PATRÍCIA ALVES REIS<sup>1</sup>; CASSIANO ALBUQUERQUE<sup>1</sup>; CLARISSA M. MAYA-MONTEIRO<sup>1</sup>; ROSSANA C. N. MELO<sup>2</sup>; PATRÍCIA T. BOZZA<sup>1</sup>;

1. FIOCRUZ; 2. UFJF; 3. UFRJ;

### IP23 - **POLYMERIC MICRONEEDLES COMBINED WITH A GOLD NANOSTRUCTURED IMMUNOBIOLOGICAL AS A POTENTIAL TRANSDERMAL DELIVERY SYSTEM FOR SKIN CANCER THERAPY**

JOSE E. U. ROJAS<sup>1</sup>; LIDIA M. ANDRADE<sup>2</sup>; DANIELA S REIS<sup>2</sup>; WENDEL A. ALVES<sup>1</sup>; GUILHERME M. J. COSTA<sup>2</sup>; VIVIAN L. DE OLIVEIRA<sup>1</sup>;

1. UFABC; 2. UFMG;

### IP24 - **QUANTIFICATION OF MEDIATORS RELATED TO THROMBOINFLAMMATION DURING CHIKUNGUNYA INFECTION**

DOUGLAS MATHIAS DE OLIVEIRA<sup>1</sup>; ISACLAUDIA GOMES DE AZEVEDO QUINTANILHA<sup>1</sup>; MARIANA MACEDO CAMPOS<sup>1</sup>; SUELEN SILVA GOMES DIAS<sup>1</sup>; VINICIUS CARDOSO SOARES<sup>1</sup>; JULIA DA CUNHA SANTOS<sup>1</sup>; THIAGO MORENO LOPEZ<sup>1</sup>; EUGÊNIO

DAMACENO HOTTZ<sup>2</sup>; FERNANDO A BOZZA<sup>1</sup>; PATRICIA TORRES BOZZA<sup>1</sup>;

1. FIOCRUZ; 2. Universidade Federal de Juiz de Fora (UFJF);

### IP25 - **RAPAMYCIN AS ANTI-AGING DRUG: IMPACT ON METABOLISM AND IMMUNE SYSTEM**

LUIZ ADRIANO DAMASCENO DE QUEIROZ<sup>2</sup>; JOILSON DE OLIVEIRA MARTINS<sup>2</sup>; STEPHEN FERNANDES DE PAULA RODRIGUES<sup>1</sup>; JOSIANE BETIM DE ASSIS<sup>1</sup>; KAMILA DA COSTA PANTOJA<sup>2</sup>; ANDERSON DE SÁ NUNES<sup>1</sup>; RAFAEL DOS SANTOS BARROS<sup>2</sup>;

1. Institute of Biomedical Sciences of University of Sao Paulo; 2. School of Pharmaceutical Sciences of University Sao Paulo;

### IP26 - **SARS-COV-2 ENGAGES REPLICATION AND INFLAMMASOME ACTIVATION THROUGH LIPID REMODELING VIA SREBPS**

VINICIUS CARDOSO SOARES<sup>2</sup>; SUELEN DA SILVA GOMES DIAS<sup>1</sup>; JULIA DA CUNHA SANTOS<sup>1</sup>; ISACLAUDIA GOMES DE AZEVEDO QUINTANILHA<sup>1</sup>; PATRICIA TORRES BOZZA<sup>1</sup>;

1. Fundação Oswaldo Cruz; 2. Universidade Federal do Rio de Janeiro;

### IP27 - **STING EXPRESSED IN NOCICEPTORS REGULATES THE DEVELOPMENT OF CISPLATIN-INDUCED NEUROPATHIC PAIN**

FABIO BONIFACIO DE ANDRADE<sup>1</sup>; SANG HOON LEE<sup>2</sup>; FERNANDO DE QUEIROZ CUNHA<sup>1</sup>; JOSÉ CARLOS ALVES FILHO<sup>1</sup>; TEMUGIN BERTA<sup>2</sup>; THIAGO MATTAR CUNHA<sup>1</sup>;

1. Faculdade de Medicina de Ribeirão Preto - Universidade de São Paulo; 2. University of Cincinnati Medical Center;

### IP28 - **TARGETING C5AR1 SIGNALING AMELIORATES COVID-19 PATHOLOGY**

BRUNA MANUELLA SOUZA SILVA; FLAVIO P. VERAS; GIOVANNI F. GOMES; GABRIEL V. L. SILVA; ANDREZA U. QUADROS; DIEGO B. CAETITÊ; DANIELE CARVALHO NASCIMENTO; CAMILLA M. SILVA; JULIANA DA COSTA SILVA; SAMARA DAMASCENO; AYDA H. SCHNEIDER; ISADORA M. PAIVA; TAMARA RODRIGUES; RONALDO MARTINS; GUILHERME C.M. CEBINELLI; NAIRA L. BIBO; DANIEL M. JORGE; ZECA ALVES FILHO; FERNANDO DE QUEIROZ CUNHA; THIAGO M. CUNHA;

FMRP-USP;

### IP29 - **THE ANTI-HEPATITIS C VIRUS DRUGS DACLATASVIR AND SOFOSBUVIR POSSESS ANTI-SARS-COV-2 ACTIVITY IN VITRO AND REDUCE VIRUS-INDUCED CELL DEATH AND INFLAMMATION**

CAROLINA Q. SACRAMENTO<sup>1</sup>; NATALIA FINTELMAN-RODRIGUES<sup>1</sup>; JAIRO RAMOS TEMEROZO<sup>1</sup>; ALINE DE PAULA DIAS DA SILVA<sup>1</sup>; CARINE DOS SANTOS DA SILVA<sup>1</sup>; SUELEN DA SILVA GOMES DIAS<sup>1</sup>; MAYARA MATTOS<sup>1</sup>; ANDRÉ C FERREIRA<sup>1</sup>; VINICIUS CARDOSO SOARES<sup>1</sup>; NUBIA BOECHAT<sup>1</sup>; STEVENS REHEN<sup>2</sup>; ANDREW OWEN<sup>3</sup>; DUMITH BOU-HABIB<sup>1</sup>; PATRÍCIA T. BOZZA<sup>1</sup>; THIAGO M. L. SOUZA<sup>1</sup>;

1. Fiocruz; 2. UFRJ; 3. University of Liverpool;

# IMMUNOREGULATION (IR)

## IR33 - **INGESTION OF SUGARY SWEET BEVERAGES ALTERS METABOLISM, INTESTINAL MUCOSA IMMUNITY AND BEHAVIOR OF MICE**

THAÍS MOREIRA ABREU<sup>1</sup>; SARA CÂNDIDA BARBOSA<sup>2</sup>; MARCOS FELIPE ANDRADE DE OLIVEIRA<sup>1</sup>; RENATO ELIAS MOREIRA JUNIOR<sup>1</sup>; VINICIUS DANTAS MARTINS<sup>1</sup>; ANA MARIA CAETANO FARIA<sup>1</sup>; TATIANI UCELI MAIOLI<sup>1</sup>;

1. Universidade Federal de Minas Gerais; 2. Universidade de São Paulo;

## IR34 - **INTRANASAL ADMINISTRATION OF LACTOBACILLUS DELBRUECKII UFV H2B20 IMPROVES LUNG DEFENSES TO REGULATE ASTHMA-INDUCED IMMUNOPATHOLOGY**

ANA ELISA NOLASCO E SILVA; ANA CLARA MATOSO MONTUORI DE ANDRADE; LEONARDO GOMES VAZ; REMO CASTRO RUSSO; LEDA QUERCIA VIEIRA;

Universidade Federal de Minas Gerais;

## IR35 - **KATP CHANNEL IS NECESSARY FOR ACTIVATION OF INFLAMMATORY MACROPHAGES IN A GLUTAMINE DEPENDENT MANNER**

LINCON FELIPE LIMA SILVA<sup>2</sup>; MONARA K. S. C. ANGELIM<sup>1</sup>; WILLIAS GREISON SILVA SANTOS<sup>1</sup>; GUILHERME RIBEIRO DA SILVA<sup>1</sup>; LARISSA MENEZES DOS REIS<sup>1</sup>; GUSTAVO GASTÃO DAVANZO<sup>1</sup>; GISELE DE CASTRO<sup>1</sup>; FERNANDO ABDULKADER<sup>2</sup>; PEDRO MANOEL MENDES DE MORAES VIEIRA<sup>1</sup>; JULIANA EDELVACY LIMA PINTO<sup>2</sup>;

1. Universidade Estadual de Campinas; 2. Universidade de São Paulo;

## IR36 - **M1 AND M2 MACROPHAGES POLARIZATION IN MEN WITH HIGH OR LOW CARDIORESPIRATORY FITNESS: ROLE OF AMPK**

FABIO SANTOS LIRA<sup>3</sup>; CAIQUE FIGUEIREDO<sup>3</sup>; TIAGO OLEAN-OLIVEIRA<sup>3</sup>; LUCIELE GUERRA MINUZIZ<sup>3</sup>; CAMILA SOUZA PADILHA<sup>3</sup>; GILSON PIRES DORNELES<sup>1</sup>; JOSÉ CESAR ROSA-NETO<sup>2</sup>;

1. UFCSPA; 2. USP; 3. Unesp;

## IR37 - **M2A MURINE MACROPHAGES TRAINED FOR FIVE DAYS WITH IL-4 PRODUCE A LOW AMOUNT OF NITRIC OXIDE AFTER LPS STIMULUS.**

VAGNITON AMELIO DE SOUZA; BIANCA SILVA DE VASCONCELOS; SANTIAGO AGUIAR ESPELLET SOARES; ANDRÉ MURILO DE SOUZA MARQUES; MILTON ADRIANO PELLI DE OLIVEIRA; UFG;

## IR38 - **MATERNAL HIGH-FAT DIET PROMOTES LUNG EOSINOPHILIA AND REDUCES IGE SECRETION IN ALLERGIC OFFSPRING**

LAURA MACHADO MENEGATI<sup>2</sup>; ERICK ESTEVES DE OLIVEIRA<sup>2</sup>;

GILSON COSTA MACEDO<sup>2</sup>; FLÁVIA MÁRCIA DE CASTRO E SILVA<sup>1</sup>; 1. Universidade Estadual do Rio de Janeiro; 2. Universidade Federal de Juiz de Fora;

## IR39 - **MITOCHONDRIA FISSION CONTROLS OBESITY-INDUCED HYPOTHALAMIC INFLAMMATION**

HENRIQUE CESAR CALDERON FERRAIUOLO<sup>2</sup>; GISELE DE CASTRO<sup>2</sup>; PEDRO M MENDES MORAES-VIEIRA<sup>1</sup>;

1. Universidade Estadual de Campinas (Unicamp); 2. Universidade do Estado de São Paulo (USP);

## IR40 - **NEUROENDOCRINE CONTROL OF MACROPHAGE DEVELOPMENT AND FUNCTION: A NATURAL LANGUAGE PROCESSING (NLP) APPROACH**

ARNON DIAS JURBERG<sup>4</sup>; VINICIUS COTTA-DE-ALMEIDA<sup>3</sup>; WILSON SAVINO<sup>2</sup>; INGO RIEDERER<sup>1</sup>; DUMITH CHEQUER BOU-HABIB<sup>1</sup>;

1. Laboratório de Pesquisas sobre o Timo, Instituto Oswaldo Cruz/IOC/Fiocruz; 2. Laboratório de Pesquisas sobre o Timo/IOC/Fiocruz, Instituto Nacional de Ciência e Tecnologia em Neuroimunomodulação (INCT-NIM); 3. Laboratório de Pesquisas sobre o Timo/IOC/Fiocruz, UNESA; 4. Universidade Estácio de Sá/IDOMED, Universidade Federal do Rio de Janeiro;

## IR41 - **PD-L1 AND PD-1 EXPRESSION ON THE SURFACE OF IMMUNE CELLS IN ICU COVID-19 PATIENTS IS ASSOCIATED WITH OBESITY**

AYANE DE SÁ RESENDE; YRNA LORENA MATOS DE OLIVEIRA; MARIANA NOBRE FARIAS DE FRANCA; LORRANNY SANTANA RODRIGUES; MONALISA MARTINS MONTALVÃO; JILENO FERREIRA SANTOS; EDMILSON WILLIAN PROPHETA DOS SANTOS; KIYOSHI FERREIRA FUKUTANI; CRISTIANE BANI CORREA; TATIANA RODRIGUES DE MOURA;

Federal University of Sergipe;

## IR42 - **PREVIOUS GASTROINTESTINAL INFECTIONS INCREASE SUSCEPTIBILITY TO INFLAMMATORY BOWEL DISEASES AND ALTER LUNG HOMEOSTASIS**

LEONARDO MANDU GONÇALVES; MARINA CAÇADOR AYUPE; BÁRBARA CRISTINA PIZZOLANTE; CAIO LOUREIRO SALGADO; BERNARDO DE CASTRO OLIVEIRA; FRANCIELLY MOREIRA; GUILHERME WILLIAM DA SILVA; JOFER ANDREE ZAMAME RAMIREZ; DENISE MORAIS DA FONSECA; Institute of Biomedical Sciences - ICB-USP;

## IR43 - **ROLE OF EXOPOLYSACCHARIDES FROM AURICULARIA AURICULA IN INTESTINAL HOMEOSTASIS AND IMMUNOMODULATION IN AN INFLAMMATORY MODEL OF COLITIS**

LUÍSA DAN FAVILLA; LUÍSA COUTINHO COELHO; THAÍS BERGMANN DE CASTRO; ANAMÉLIA LORENZETTI BOCCA; UnB;



**IR44 - SENSITIZATION TO ARA H 1, A MAJOR PEANUT ALLERGEN, DOES NOT LEAD TO FOOD AVERSION IN A MODEL OF PEANUT ALLERGY**

MARCOS FELIPE ANDRADE DE OLIVEIRA; MONIQUE MACEDO COELHO; YURI MÁRCIO CAMPOS BARBOSA; RAFAEL SAAVEDRA LANGER; VINÍCIUS MARTINS DANTAS; NATÁLIA PINHEIRO ROSA; DENISE CARMONA CARA; ANA MARIA CAETANO DE FARIA; UFMG;

**IR45 - SYSTEMIC EFFECTS OF CERVICAL CANCER MYELOID-DERIVED SUPPRESSOR CELLS**

LORRAYNE LETYCIA PRADO DA CRUZ; JORDY ALEXANDER BASSO LARCO; ANA PAULA LEPIQUE; ICB-USP;

**IR46 - THE ANTI-INFLAMMATORY ACTIVITY OF 2-IMINOTHIAZOLIDINES: EVIDENCE OF MACROPHAGE REPOLARIZATION**

EDUARDA TALITA BRAMORSKI MOHR; BIANCA KLAFKE BECK; Universidade Federal de Santa Catarina (UFSC);

**IR47 - THE HIF-1A AND HIF-1A ANTISENSE LONG NON-CODING RNA COOPERATING IN THE LPS STIMULATION MACROPHAGES**

JONATHAN MIGUEL ZANATTA; LAURA CAROLINE DE FARIA; TIAGO FRANCISCO DA SILVA; LILIAN GOMES DE OLIVEIRA; CAROLINA MANGANELI POLONIO; JULIANE CRISTINA RIBEIRO FERNANDES; STEPHANIE MAIA ACUÑA; JEAN PIERRE SCHATZMANN PERON; SANDRA MARCIA MUXEL; Universidade de São Paulo;

**IR48 - THE IMPORTANCE OF B-1 LYMPHOCYTES DURING EXPERIMENTAL CRYPTOCOCCUS GATTII INFECTION**

ISRAEL DINIZ-LIMA1; BRENDA BARBOSA DE SOUSA1; MATHEUS FREIRE-DE-LIMA1; ELIAS BARBOSA SILVA-JUNIOR1; JOYCE CRISTINA GUIMARÃES-DE-OLIVEIRA1; DANIELLE OLIVEIRA NASCIMENTO2; DEBORA DECOTE-RICARDO2; CELIO GERALDO FREIRE-DE-LIMA1; 1. UNIVERSIDADE FEDERAL DO RIO DE JANEIRO; 2. UNIVERSIDADE FEDERAL RURAL DO RIO DE JANEIRO;

**IR49 - THE METABOLIC SYNDROME DURING HIGH-FAT DIET-INDUCED OBESITY TRIGGERS AN INCREASE IN INTESTINAL PERMEABILITY AND INDUCTION OF TH17 CELLS**

SARA CÂNDIDA BARBOSA2; VANESSA FERNANDES RODRIGUES2; JEFFERSON ELIAS-OLIVEIRA2; ÍTALO SOUSA PEREIRA2; JÉSSICA ASSIS PEREIRA2; MELISSA SANTANA GONSALEZ MACHADO2; TATIANI UCELI MAIOLI1; DANIELA CARLOS2; 1. Universidade Federal de Minas Gerais; 2. Universidade de São Paulo;

**IR50 - B2 ADRENERGIC SIGNALING STIMULATES IL-1B SECRETION BY INDUCING MAPK-DEPENDENT IL1B TRANSCRIPTION**

FILIPE M. DE MELO1; JULIANA T. MARICATO1; BEATRIZ M. FREIRE1; STEPHEN T. SMALE2; ALEXANDRE S. BASSO1;

1. Escola Paulista de Medicina/UNIFESP; 2. University of California, Los Angeles (UCLA);

**IR51 - CHRONIC INFLAMMATION AS A PROGRESSION FACTOR FOR HUMAN PAPILLOMAVIRUS-ASSOCIATED CANCER**

FABIANE CRISTINA COLUNA; MARIANA CARMEZIN BELDI; ANA PAULA LEPIQUE; Universidade de São Paulo;

## INNATE IMMUNITY (IN)

**IN32 - PLASMA FROM SEVERE COVID-19 OBESE PATIENTS INCREASES THE EXPRESSION OF CHEMOKINE RECEPTOR AND ACTIVATION MARKERS IN THP-1 MONOCYTTIC CELL LINEAGE**

PEDRO ROOSEVELT TORRES ROMÃO1; PAULA COELHO TEIXEIRA1; PAULO CÉSAR SANTANA FILHO1; LUIZ CARLOS RODRIGUES JUNIOR1; ALESSANDRA PERES1; MARTA CHAGAS MONTEIRO3; SIMONE GONÇALVES FONSECA2; GILSON DORNELES1; 1. UFCSPA; 2. UFG; 3. UFPA;

**IN33 - PLASMODIUM-INFECTED RED BLOOD CELL LYSATES DIFFERENTIALLY MODULATE EXPRESSION OF SIGNAL REGULATORY PROTEIN A (SIRPA) IN HUMAN BLOOD IMMUNE INNATE CELLS**

PRISCILLA DA COSTA MARTINS; HUGO AMORIM DOS SANTOS DE SOUZA; CAROLINA MOREIRA BLANCO; LUANA SANTOS DE OLIVEIRA; LILIAN ROSE PRATT-RICCIO; CLÁUDIO TADEU DANIEL-RIBEIRO; PAULO RENATO RIVAS TOTINO; Fiocruz;

**IN34 - REWIRING OF MACROPHAGE METABOLISM BY LIPID MEDIATORS DERIVED FROM OMEGA-3 FATTY ACIDS PRESENT IN TUBERCULOUS PLEURAL EFFUSIONS: ITS IMPACT ON THE CONTROL OF MYCOBACTERIUM TUBERCULOSIS INFECTION**

JOAQUINA BARROS3; MARIANO MAIO3; JOSE LUIS MARIN FRANCO3; MARINE JOLY4; DOMINGO PALMERO2; XAVIER ARAGONE2; EMELY LAIRE1; GEANNECARLO LUGO-VILLARINO1; OLIVIER NEYROLLES1; CHISTEL VÉROLLET1; MARIA DEL CARMEN SASIAIN3; LUCIANA BALBOA3; 1. Institut de Pharmacologie et de Biologie Structurale, Université de Toulouse, CNRS, UPS, Toulouse, France; 2. Instituto Prof. Dr. Raúl Vaccarezza, Hospital de Infecciosas Dr. F.J. Muñiz, Buenos Aires, Argentina; 3. Instituto de Medicina Experimental (IMEX)-CONICET, Academia Nacional de Medicina, Buenos Aires, Argentina; 4. Instituto de Medicina Experimental (IMEX)-CONICET, Academia Nacional de Medicina, Buenos Aires, Argentina.;



**IN35 - ROLE OF RECEPTORS FCγS DURING MONOCYTIC RESPONSE AGAINST SARS-COV-2**

CLARICE DE SOUZA CONSTANCIO; DANIELLE APARECIDA SOUSA RODRIGUES; HEINY DELCIENE PINA FERNANDES; ANDREZA MOREIRA DOS SANTOS GAMA; CLARICE MONTEIRO RODRIGUES SANTOS; GUILHERME SANT'ANNA DE LIRA; LAURA ZALCBERG RENAULT; VICTOR AKIRA OTA; VICTORIA CÔRTEZ BASTOS; VINICIUS MENDES VIDAL; ORLANDO DA COSTA FERREIRA JÚNIOR; AMILCAR TANURI; TEREZINHA MARTA PEREIRA PINTO CASTIÑEIRAS; ANDRÉ MACEDO VALE; MARCELO TORRES BOZZA; ELENA MONTES-COBOS; JULIANA ECHEVARRIA-LIMA; UFRJ;

**IN36 - ROLE OF THE OXIDATIVE STRESS RESPONSE IN SARS-COV-2 INFECTION**

HEINY DELCIENE DE PINA FERNANDES; CLARICE DE SOUZA CONSTANCIO; JULIANA ECHEVARRIA LIMA; ELENA VICTORIA MONTES COBOS; MARCELO TORRES BOZZA; UFRJ;

**IN37 - S100A9 DRIVES THE CHRONIFICATION OF PSORIASIFORM INFLAMMATION BY INDUCING IL-23/TYPE-3 IMMUNITY**

BRUNO; FLÁVIO PROTASIO VERAS; JOSÉ CARLOS FARIAS ALVES FILHO; USP;

**IN38 - SINGLE-CELL ANALYSIS OF HUMAN ADIPOSE TISSUE CD11B-POSITIVE CELLS: A PILOT STUDY**

TEREZA CRISTINA MINTO FONTES CAL1; DIOGO DE MORAES1; JOÃO RAMALHO ORTIGÃO-FARIAS5; LETÍCIA DE SOUZA FIGUEIREDO1; LARISSA MENEZES DOS REIS4; JOÃO VICTOR VIRGILIO DA SILVA4; MARCELO RODRIGUES BÊRÇOTA4; BIANCA GAZIERI CASTELUCCI4; THIAGO LEITE KNITTEL1; ELINTON ADAMI CHAIM3; FELIPE DAVID MENDONÇA CHAIM3; MARIANA LIMA BORONI MARTINS2; PEDRO MANOEL MENDES DE MORAES-VIEIRA4; MARCELO ALVES DA SILVA MORI1; 1. Aging Biology Laboratory, Department of Biochemistry and Tissue Biology, Institute of Biology, University of Campinas; 2. Bioinformatics and Computational Biology Laboratory of National Cancer Institute; 3. Hospital de Clínicas of University of Campinas; 4. Laboratory of Immunometabolism, Department of Genetics, Evolution, Microbiology, and Immunology, Institute of Biology, University of Campinas; 5. and Computational Biology Laboratory of National Cancer Institute;

**IN39 - STREM-1 IS ASSOCIATED WITH PHENOTYPIC AND FUNCTIONAL ANALYSIS OF NEUTROPHILS IN SEVERE COVID-19**

YRNA LORENA MATOS DE OLIVEIRA1; AYANE DE SÁ RESENDE1; MARIANA NOBRE FARIAS DE FRANCA1; YSLANNA MARIA CABRAL DE ALMEIDA1; LORRANNY SANTANA RODRIGUES1; MONALISA MARTINS MONTALVÃO1; JILENO FERREIRA SANTOS1; EDMILSON WILLIAN PROPHETA DOS SANTOS1; CRISTIANE BANI CORREA1; TATIANA RODRIGUES DE MOURA2; 1. Federal University of Sergipe; 2. Federal Univesity of Sergipe;

**IN40 - T-BET REGULATES INFLAMMATORY MACROPHAGES MEDIATORS, METABOLISM AND FUNCTION.**

WEBSTER LEONARDO GUIMARÃES DA COSTA3; GUILHERME RIBEIRO DA SILVA3; LINCON FELIPE LIMA SILVA2; JOÃO VICTOR VIRGILIO DA SILVA2; GUSTAVO GASTÃO DAVANZO4; ANA JULIA ESTUMANO MARTINS3; JEFFERSON ANTONIO DE CASTRO DOS SANTOS3; LARISSA MENEZES DOS REIS3; GISELE DE CASTRO2; MIRELLA CRISTINY PEREIRA DE ANDRADE3; CRISTHIANE FAVERO DE AGUIAR1; PEDRO MANOEL MENDES DE MORAES VIEIRA3; 1. Trinity College Dublin; 2. USP; 3. Unicamp; 4. University of Chicago;

**IN41 - THE ACUTE STRESS INDUCED BY PARADOXICAL SLEEP DEPRIVATION AGGRAVATES AUTOIMMUNE HEPATITIS**

MARIA EDUARDA PERRUD; MICHELANGELO BAUWELZ GONZATTI; MONICA LEVY ANDERSEN; ALEXANDRE DE CASTRO KELLER; Unifesp;

**IN42 - THE ROLE OF INFLAMMASOME IN CD8+ T LYMPHOCYTES FROM CHRONICALLY HIV-1 INFECTED PATIENTS**

MARIELA ESTEFANY GISELENE VERA ROA; VINÍCIUS NUNES CORDEIRO LEAL; RAYLANE ADRIELLE GONÇALVES CAMBUJ; SUEMY MELIM YAMADA; ALESSANDRA PONTILLO; Universidade de São Paulo;

**IN43 - THE TGFB/TGFBR1-P38MAPK PATHWAY IS ESSENTIAL FOR LOW-DENSITY NEUTROPHILS GENERATION AND NEUTROPHILIC DEGRANULATION BY MYCOBACTERIUM LEPRAE**

ISABELLA FORASTEIRO TAVARES; RAFAELA DE SOUZA ANDRADE; THAIS FERNANDA RODRIGUES; JESSICA BRANDÃO DOS SANTOS; VERONICA SCHMITZ PEREIRA; IOC/FIOCRUZ;

**IN44 - TRAINED INNATE IMMUNITY INDUCED BY AURICULARIA AURICULA EXOPOLYSACCHARIDES MODULATES MACROPHAGE RESPONSE UPON CRYPTOCOCCUS NEOFORMANS INFECTION**

LUÍSA COUTINHO COELHO2; THAIS BERGMANN DE CASTRO2; RAFFAEL JÚNIO ARAÚJO DE CASTRO2; LUÍSA DAN FAVILLA2; MARIA CAROLINA BEZERRA DI-MEDEIROS LEAL1; ANAMÉLIA LORENZETTI BOCCA2; 1. UFG/Centro Universitário do Planalto Central Aparecido dos Santos; 2. UnB;

**IN45 - TRANSCRIPTOMIC META-ANALYSIS REVEALS A UNIFIED SIGNATURE OF THE HOST IMMUNE RESPONSE TO MALARIA**

NAGILA ISLEIDE SILVA; PEDRO FELIPE LOIOLA SOUZA; BÁRBARA FERNANDES SILVA; LUIZ GUSTAVO GARDINASSI; UFG;

**IN46 - UROPATHOGENIC ESCHERICHIA COLI (UPEC) ALTERS HUMAN DENDRITIC CELL BIOLOGY**

ELANE MACIEL; LUCAS CAXANGÁ; GIULIA LOPES; LAURA FERNANDES GONÇALVES; TATIANA AMABILE DE CAMPOS; SARAH DE ATHAYDE COUTO FALCÃO; CECÍLIA BEATRIZ FIUZA FAVALI; UNB;

**IN47 - USING A PROXIMITY LABELING STRATEGY TO CROSS THE RUBICON INTERACTOME: A JOURNEY THAT REVEALS NOVEL REGULATORS OF LC3-ASSOCIATED PHAGOCYTOSIS (LAP) IN MACROPHAGES**

EDISMAURO GARCIA FREITAS FILHO1; VICTOR CORASOLLA CARREGARIZ; DANIEL MARTINS-DE-SOUZA2; LARISSA DIAS DA CUNHA1;

1. Department of Cell and Molecular Biology and Pathogenic Bioagents, Medical School of Ribeirão Preto, FMRP, USP, Ribeirão Preto, SP, Brazil; 2. Laboratory of Neuroproteomic, Department of Biochemistry & Tissue Biology, Institute of Biology, UNICAMP, Campinas, SP, Brazil;

**MI23 - SELECTION OF HUMAN ANTIBODIES AGAINST SARS-COV-2 AND FLAVIVIRUS INFECTIONS BY PHAGE DISPLAY FOR THERAPEUTIC APPLICATION**

ANA CLARA BARBOSA ANTONELLI; RENATO KAYLAN ALVES DE OLIVEIRA FRANÇA; JACYELLE MEDEIROS SILVA; MARCELO DE MACEDO BRÍGIDO; ANDRÉA QUEIROZ MARANHÃO; Universidade de Brasília;

**MI24 - STUDY OF CO-EXPRESSED GENES IN MACROPHAGES FROM DIET-INDUCED OBESE MICE**

FELIPE CAIXETA MOREIRA; TATIANI UCELLI MAIOLI; UFMG;

**MI25 - STUDY OF VARIANTS IN THE ADRB2 AND ADCY9 GENES AND ASTHMA ATTACK PHENOTYPES**

TALITA DOS SANTOS DE JESUS4; GABRIELA PIMENTEL PINHEIRO1; ALVARO AUGUSTO SOUZA DA CRUZ FILHO2; CAMILA ALEXANDRINA VIANA DE FIGUEIREDO3; 1. PROAR; 2. Proar; 3. UFBA; 4. UNIVERSIDADE FEDERAL DA BAHIA;

**MI26 - THE AUTOIMMUNE REGULATOR (AIRE) G228W MUTATION DISTURBS THE INTERACTION WITH ITS PARTNER MOLECULE SIRTUIN 1**

JADSON CARLOS SANTOS; ANA PAULA MASSON; VITOR MARCEL FAÇA; EDUARDO ANTONIO DONADI; GERALDO ALEIXO PASSOS; Universidade de São Paulo;

**MI27 - THE EPIGENETIC MODULATOR CBX4 IN CD8 T CELL DIFFERENTIATION**

GUILHERME AFONSO MELO3; CAROLINA CALÔBA OLIVEIRA DE MATTOS CRUZ1; GABRIELLE BRUM LOPES DA SILVA3; THAIS DE OLIVEIRA PASSOS3; MOISÉS AGUIAR NEVES NETO3; MIRIAM BIANCHI DE FRONTIN WERNECK3; FREDERICO ALISSON DA SILVA3; ULISSES GAZOS LOPES3; ANDRÉ NICOLAU AQUIME GONÇALVES4; HELDER TAKASHI IMOTO NAKAYA4; MATTHEW PIPKIN2; TIANHAO XU1; ALEXANDER SCHUTTE1; GUSTAVO J. MARTINEZ1; RENATA DE MEIRELLES SANTOS PEREIRA3; 1. Rosalind Franklin University of Medicine and Science; 2. The Scripps Research Institute; 3. UFRJ; 4. USP;

**MI28 - TRANSCRIPTOMIC ANALYSIS REVEAL DICHOTOMOUS MACROPHAGE RESPONSE TO MYCOBACTERIAL NON-POLAR LIPIDS**

PAULO ESTEVÃO FERREIRA MACÊDO; JÉSSICA DIAS PETRILLI; IGOR MÜLLER DA SILVA SANTOS; LUANA EVANGELISTA DE ARAÚJO; SÉRGIO MARCOS ARRUDA; ADRIANO QUEIROZ SILVA; Instituto Gonçalo Moniz - Fiocruz Bahia;

## MOLECULAR IMMUNOLOGY (MI)

**MI20 - NOVEL HUMAN ANTI-CD3 MONOCLONAL ANTIBODIES EXPLORING TWO STRATEGIES FOR VH AND VL CONSTRUCTION**

DAYANE PRADO MEDEIROS; ANDRÉA QUEIROZ MARANHÃO; MARCELO DE MACEDO BRÍGIDO; Universidade de Brasília;

**MI21 - PROTEIN-PROTEIN INTERACTION BETWEEN NLRP3 RECEPTOR AND THE TRANSCRIPTION FACTORS SMAD2/3**

MURILO HENRIQUE SATURNINO DE LIMA1; JORDANA DINORÁ DE LIMA2; TARCIO TEODORO BRAGA2; 1. Instituto Carlos Chagas - FioCruz/PR; 2. Universidade Federal do Paraná;

**MI22 - SECRETOME FROM HUMAN ADIPOSE-DERIVED MESENCHYMAL STEM CELLS ACCELERATED SKIN REPAIR IN EXPERIMENTAL SICKLE CELL WOUND MODEL**

BRYSA MARIANA DIAS SILVEIRA1; BEATRIZ DOS SANTOS COSTA1; SONGELI MENEZES FREIRE1; VITOR VALÉRIO MAFFILI2; ROBERTO MEYER1; VITOR FORTUNA1; 1. Federal University of Bahia (UFBA); 2. Gonçalo Moniz Institute (Fiocruz);



**MI29 - VARIANTS IN PTPRC, AN IMMUNE-RELATED GENE, IS ASSOCIATED WITH BRONCHODILATOR RESPONSE IN PATIENTS WITH ASTHMA**

HELENA M.P. TEIXEIRAS; COREY COX9; TONYA BRUNETTI9; HÁTILLA DOS SANTOS SILVA5; GUSTAVO N. O. COSTA5; ANA PAULA CASTRO5; TALITA S. JESUS5; MARIA B. R. DE SANTANA5; GABRIELA P. PINHEIRO2; CINTHIA VILA NOVA SANTANA2; THIAGO MAGALHÃES DA SILVA4; JAMILLE SOUZA FERNANDES7; HÉLLEN FREITAS5; LUCIANA SANTOS CARDOSOS; MICHELLE DAYA9; VICTOR E. ORTEGA10; JAVIER PEREZ-GARCIA3; MARIA PINO YANES3; ESTEBAN G. BURCHARD8; MONICA CAMPBELL9; NICHOLAS RAFAELS9; BERNARDO L HORTA6; MAURICIO L. BARRETO1; RYAN S. COSTA5; ÁLVARO A. CRUZ2; KATHLEEN C. BARNES9; CAMILA A. FIGUEIREDO5;

1. Fiocruz; 2. ProAR; 3. Universidad de La Laguna; 4. Universidade Estadual do Sudoeste da Bahia; 5. Universidade Federal da Bahia; 6. Universidade Federal de Pelotas; 7. Universidade Federal do Oeste da Bahia; 8. University of California San Francisco; 9. University of Colorado Denver; 10. Wake Forest Baptist Medical Center;

## TRANSPLANTATION AND IMMUNOGENETICS (TR)

**TR13 - CAR T, IMMUNOGENETICS IN BROAD TREATMENTS**

NÁTHALY OLIVEIRA YOUSSEF DE NOVAES ISSA; NATÁLIA FEITOSA SANTOS; ANELISE FRANCIOSI; Centro Universitário Filadélfia de Londrina - UNIFIL;

## TUMOR IMMUNOLOGY (TU)

**TU37 - MOLECULAR AND FUNCTIONAL CHARACTERIZATION OF BLOOD MONOCYTES FROM MULTIPLE MYELOMA PATIENTS**

VIVIANE J DA SILVA1; IORY ANDRADE PORTILLO LEMOS1; PAULA DO AMARAL COSTA RIBEIRO2; MARIA PAULA DE OLIVEIRA2; FELIPE AUGUSTO ROS1; SAMUEL CAMPANELLI F. COUTO2; THÉO GREMEN M. DE OLIVEIRA2; GRACIA APARECIDA MARTINEZ2; FERNANDA SALLES SEGURO2; OTÁVIO CABRAL MARQUES3; JOSÉ ALEXANDRE MARZAGÃO BARBUTO3; VANDERSON ROCHA2; RODRIGO NALIO RAMOS2;

1. FMUSP; 2. HC-FMUSP; 3. ICB-USP;

**TU38 - MUTATIONS IN INNATE IMMUNE MOLECULES FROM HUMAN BLADDER CANCER SAMPLES AS POTENTIAL BIOMARKERS**

NINA MARÍ GUAL PIMENTA DE QUEIROZ; FABIO MAMBELLI; BRUNO MARQUES SILVA; SERGIO COSTA OLIVEIRA; Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais (ICB/UFMG);

**TU39 - MYC MODULATION IN TOLERIZED MACROPHAGES**

BRUNA SANRROMÃO HENRIQUE1; VINÍCIUS JARDIM CARVALHO2; LETÍCIA BORGES DA SILVA HEINEN1; MARIANE TAMI AMANO1; 1. Instituto de Ensino e Pesquisa - Hospital Sírio Libanês; 2. Instituto de Matemática e Estatística - Universidade de São Paulo;

**TU40 - OBTAINMENT AND CHARACTERIZATION OF SOLUBLE HUMAN TIM-3 ECTODOMAIN EXPRESSED IN BACTERIA**

GABRIEL CORREIA LIMA1; DANIELA LUZ HESSEL DA CUNHA1; ROSA MARIA CHURI CHAMBI1; VIVIANE JENNIFER DA SILVA2; RODRIGO NALIO RAMOS2; VANDERSON ROCHA2; 1. Instituto Butantan; 2. Universidade de São Paulo;

**TU41 - PAN-CANCER SINGLE-CELL REVEALS DIVERSITY, ROUTES AND CLINICAL IMPACT OF MYELOID CELLS**

GIOVANNA RESK MAKLOUF1; GABRIELA RAPOZO GUIMARÃES1; CRISTIANE ESTEVES TEIXEIRA1; MARCO ANTÔNIO PRETTI1; LEANDRO OLIVEIRA SANTOS1; NAYARA GUSMÃO TESSAROLLO1; NAYARA EVELYN TOLEDO1; MYLLA DIMAS2; JOÃO ORTIGÃO-FARIAS1; EDROALDO LUMMERTZ-ROCHA2; PEDRO MANOEL MENDES MORAES-VIEIRA3; MARCELO ALVES DA SILVA MORIS; MARIANA BORONI1;

1. Brazilian National Cancer Institute; 2. Federal University of Santa Catarina; 3. University of Campinas;

**TU42 - PROFILE OF CIRCULATING IMMUNE CELLS AND CYTOKINES IN THE BLOOD OF PENILE CANCER PATIENTS**

SULAYNE JANAYNA ARAUJO GUIMARAES; MIRTES CASTELO BRANCO ROCHA; ANDRE ALVARES MARQUES VALE; ANA LUIZA DE ARAÚJO BUTARELLI; DANRLEY MORAES TEIXEIRA; BIANCA LIMA DUARTE; HIRAN REIS SOUSA; LUIZ EDUARDO SILVA MARTINS; IANE MAYARA FROES DA CUNHA; MARIANA LEITE COSTA; ANA PAULA SILVA DE AZEVEDO DOS SANTOS; UFMA;

**TU43 - PROFILE OF IMMUNE CELLS INFILTRATED IN PENILE CANCER**

MIRTES CASTELO BRANCO ROCHA1; SULAYNE JANAYNA ARAUJO GUIMARÃES1; ANDRÉ ALVARES MARQUES VALE1; ANA LUIZA DE ARAÚJO BUTARELLI2; DANRLEY MORAES TEIXEIRA2; BIANCA LIMA DUARTE2; HIRAN REIS SOUSA2; LUIZ EDUARDO SILVA MARTINS2; IANE MAYARA FROES DA CUNHA2; MARIANA LEITE COSTA2; ANA PAULA SILVA DE AZEVEDO DOS SANTOS2;

1. Universidade Federal do Maranhão; 2. Univesidade Federal do Maranhão;

**TU44 - SECRETION FROM WHITE ADIPOSE TISSUE LACKING DICER TRIGGERS MITOCHONDRIAL DYSFUNCTION, CELL DEATH, AND INFLAMMATION IN INSULINOMA CANCER CELLS**

MILENA NASCIMENTO VERDAM DE ARAÚJO<sup>2</sup>; GABRIELLA SIMÕES HEYN<sup>3</sup>; GABRIEL PASQUARELLI-DO-NASCIMENTO<sup>4</sup>; HELOISA ANTONIELLA BRAZ-DE-MELO<sup>2</sup>; SABRINA AZEVEDO MACHADO<sup>2</sup>; PAULA BELLOZI<sup>2</sup>; ANDREZA FABRO DE BEM<sup>2</sup>; SONIA NAIR BÃO<sup>2</sup>; MARCELO ALVES DA SILVA MORI<sup>1</sup>; KELLY GRACE MAGALHÃES<sup>2</sup>;  
 1. Laboratory of Aging Biology, University of Campinas, Campinas, SP, Brazil.; 2. Laboratory of Immunology and Inflammation, Department of Cell Biology, University of Brasília, Brasília, DF, Brazil.; 3. Laboratory of Immunology and Inflammation, Department of Cell Biology, University of Brasília, Brasília, DF, Brazil. /University of Copenhagen; 4. Laboratory of Immunology and Inflammation, Department of Cell Biology, University of Brasília, Brasília, DF, Brazil./Harvard Medical School, USA.;

**TU45 - SIALOME CHANGES AND HIGH GLUCOSE REGULATE ANTITUMORAL RESPONSE IN A MOUSE MODEL OF SPONTANEOUS COLORECTAL CANCER**

RONAN CHRISTIAN MACHADO DOS SANTOS; GIULIA SBROCCA FERREIRA; LETÍCIA SANT'ANA FERNANDES; WAGNER BARBOSA DIAS; MIRIAM BIANCHI DE FRONTIN WERNECK; FREDERICO ALISSON DA SILVA; ADRIANE REGINA TODESCHINI; Universidade Federal do Rio de Janeiro;

**TU46 - STROMAL FIBROBLAST FROM PENILE CANCER ROLE IN DENDRITIC CELLS MORPHOLOGY AND PHENOTYPE**

BIANCA LIMA DUARTE; SULAYNE JANAYNA ARAUJO GUIMARÃES; MIRTES CASTELO BRANCO ROCHA; ANDRE ALVARES MARQUES VALE; ANA LUIZA DE ARAÚJO BUTARELLI; DANRLEY MORAES TEIXEIRA; HIRAN REIS SOUSA; LUIZ EDUARDO SILVA MARTINS; IANE MAYARA FROES DA CUNHA<sup>1</sup>; MARIANA LEITE COSTA; ANA PAULA SILVA DE AZEVEDO DOS SANTOS; UNIVERSIDADE FEDERAL DO MARANHÃO;

**TU47 - THE DPP-IV INHIBITION AMELIORATE INTESTINAL INFLAMMATION AND COLORECTAL CANCER ASSOCIATED WITH COLITIS**

ELOISA MARTINS DA SILVA<sup>1</sup>; MARCELLA CIPELLI<sup>3</sup>; LUÍSA MENEZES SILVA<sup>3</sup>; VICTOR YUJI YARIWAKE<sup>3</sup>; JEFFERSON ANTONIO LEITE<sup>3</sup>; JEAN DE LIMA<sup>3</sup>; OMAR DOMÍNGUEZ AMOROCHO<sup>3</sup>; ALVARO PACHECO E SILVA FILHO<sup>1</sup>; NIELS OLSEN SARAIVA CAMARA<sup>3</sup>; VINICIUS DE ANDRADE OLIVEIRA<sup>2</sup>;  
 1. Universidade Federal de São Paulo; 2. Universidade Federal do ABC; 3. Universidade de São Paulo;

**TU48 - THE EPIREGULIN EXPRESSION BY PRO-INFLAMMATORY MACROPHAGES (M1) PLAYS AN AMBIGUOUS ROLE IN LUNG CANCER PROGRESSION.**

VINICIUS JARDIM CARVALHO<sup>1</sup>; BRUNA SANRROMÃO HENRIQUEZ; MARIANE TAMI AMANO<sup>2</sup>; GILBERTO DE CASTRO<sup>3</sup>; ANDRÉ FUJITA<sup>1</sup>;  
 1. Instituto de Matemática e estatística Universidade de São Paulo; 2. Instituto de ensino e pesquisa do Hospital Sírio-Libanês;

3. Oncologia Clínica, Instituto do câncer do estado de São Paulo (ICESP), Universidade de São Paulo;

**TU49 - THE IMMUNE RESPONSE OF GLIOBLASTOMA PATIENTS TREATED WITH ALLOGENIC DC VACCINATION MAY HAVE A RESET**

CARLA SANZOCHI FOGOLIN<sup>2</sup>; GABRIELA COELI MENEZES EVANGELISTA<sup>2</sup>; ELIZABETH ALEXANDRA FLATOW<sup>2</sup>; JAQUELINE VAZ DE OLIVEIRA<sup>2</sup>; NADIA EMELY CHAUCA TORRES<sup>2</sup>; NATALY PERES<sup>1</sup>; MARIANA PEREIRA PINHO<sup>2</sup>; PATRÍCIA CRUZ BERGAMI-SANTOS<sup>2</sup>; JOSÉ ALEXANDRE MARZAGÃO BARBUTO<sup>2</sup>;  
 1. Faculdade de Medicina da Universidade de São Paulo; 2. Instituto de Ciências Biomédicas da Universidade de São Paulo;

**TU50 - THE IMMUNOSUPPRESSIVE MICROENVIRONMENT PROFILE IN LOW- AND HIGH-GRADE GLIOMA**

JULIETE NATHALI SCHOLL<sup>3</sup>; CAMILA KEHL DIAS<sup>3</sup>; LUCAS KICH GRUN<sup>2</sup>; DIEGO ZAMBONIN<sup>1</sup>; EDUARDO ANZOLIN<sup>1</sup>; WANDERSON WILLIAN DOS SANTOS DIAS<sup>1</sup>; WILLIAN PEGORARO KUS<sup>1</sup>; FLORENCIA M. BARBÉ-TUANA<sup>2</sup>; PAULO VALDECI WORM<sup>1</sup>; FABRÍCIO FIGUEIRÓ<sup>3</sup>;  
 1. GHC; 2. PUCRS; 3. UFRGS;

**TU51 - THE INFLUENCE OF ERYTHROPHAGOCYTOSIS ON MOUSE MELANOMA ASSOCIATED MACROPHAGES**

LUIS BATISTA TAN<sup>2</sup>; JAMIL ZOLA KITOKO<sup>2</sup>; RAFAEL CARDOSO MACIEL COSTA SILVA<sup>1</sup>; MARCELO TORRES BOZZA<sup>2</sup>; ELENA MONTES COBOS<sup>2</sup>;  
 1. Laboratório de Imunoreceptores e Sinalização, UFRJ; 2. Laboratório de Inflamação e Imunidade, UFRJ;

**TU52 - THE ROLE OF MELATONIN ON THE MODULATION OF MITOCHONDRIAL FUNCTION, INFLAMMATION, AND CARCINOGENIC PARAMETERS OF HUMAN GASTRIC CANCER CELLS**

JULIA PERIN MANCHINE; SABRINA AZEVEDO MACHADO; PAULA MARIA QUAGLIO BELLOZI; ANDREZA FABRO DE BEM; KELLY GRACE MAGALHÃES; Universidade de Brasília;

**TU53 - THE ROLE OF OMEGA-3 IN WHITE AND BROWN ADIPOSE TISSUE MODULATION AND THE FUNCTION OF THESE TISSUES ON THE CARCINOGENIC PARAMETERS OF MELANOMA CANCER**

DÉBORA SANTOS DA SILVA; HELOÍSA ANTONIELLA BRAZ-DE-MELO; LUANA BORGES BAPTISTA; KELLY GRACE MAGALHÃES; Universidade de Brasília;

**TU54 - TOCOPHEROLS SUPPLEMENTATION ON CYCLOPHOSPHAMIDE CHEMOTHERAPY LEADS TO TH1 IMMUNE RESPONSE**

ANDRE ALVARES MARQUES VALE; SULAYNE JANAYNA ARAUJO GUIMARÃES; DANRLEY MORAES TEIXEIRA; BIANCA LIMA DUARTE; LUIZ EDUARDO SILVA MARTINS; ANA PAULA SILVA DE AZEVEDO DOS SANTOS; UFMA;

**TU55 - USE OF DNA LOADED LIPID NANOPATICLES FOR THE EXPRESSION OF ANTI-CD19 CAR IN HUMAN LYMPHOCYTES**

PEDRO HENRIQUE DIAS MOURA PRAZERES; ELOÍSA ATHAYDES SEABRA FERREIRA; PEDRO AUGUSTO CARVALHO COSTA; ANDERSON KENNEDY SANTOS; PEDRO PIRES GOULART GUIMARÃES; UFMG;

**TU56 - MELANOMA-DERIVED SMALL EXTRACELLULAR VESICLES INFLUENCE THE FUNCTIONAL PROFILE OF MACROPHAGES VIA REGULATION OF GLUCOSE METABOLISM**

THIAGO ALBUQUERQUE VIRAÇÃO<sup>2</sup>; SANDRA PATRICIA KALIL PERDOMO<sup>2</sup>; ANUSKA MARCELINO ALVARES SARAIVA<sup>2</sup>; TALITA VIEIRA DUPIN<sup>1</sup>; VANESSA XAVIER<sup>2</sup>; THAIS CRISTINA DA SILVA<sup>2</sup>; DEBORA DE OLIVEIRA MARES SILVESTRO<sup>2</sup>; MARIA ANETE LALLO<sup>2</sup>; ANA CLAUDIA TORRECILHAS<sup>1</sup>; PATRICIA XANDER BATISTA<sup>1</sup>; ELIZABETH CRISTINA PEREZ HURTADO<sup>2</sup>;

1. Universidade Federal de São Paulo, campus Diadema; 2. Universidade Paulista;

ALMEIDA<sup>3</sup>; LIVIA OLIVEIRA<sup>3</sup>; LIDIA FAUSTINO<sup>3</sup>; LIS ANTONELLI<sup>3</sup>; TOMAS MARÇAL<sup>3</sup>; MARCONI AUGUSTO<sup>4</sup>; BRUNO VALIATE<sup>3</sup>; ALEX FIORINI<sup>1</sup>; BRUNA RATTIS<sup>2</sup>; SIMONE RAMOS<sup>2</sup>; MARIELA PICCIN<sup>9</sup>; OSVALDO CAMPOS<sup>2</sup>; LUCIANA BENEVIDES<sup>9</sup>; RUBENS MAGALHAES<sup>1</sup>; BRUNO CASSARO<sup>1</sup>; GABRIELA BURLE<sup>1</sup>; DANIEL DORO<sup>3</sup>; JORGE KALIL<sup>7</sup>; EDSON DURIGON<sup>6</sup>; ANDRES SALAZAR<sup>8</sup>; OTAVIA CABALLERO<sup>8</sup>; HELTON SANTIAGO<sup>5</sup>; ALEXANDRE MACHADO<sup>3</sup>; JOAO SANTANA DA SILVA<sup>9</sup>; FLAVIO DA FONSECA<sup>1</sup>; ANA PAULA FERNANDES<sup>1</sup>; SANTUZA TEIXEIRA<sup>1</sup>; RICARDO GAZZINELLI<sup>1</sup>;

1. Centro de Tecnologia de Vacinas - UFMG; 2. FMRP/USP; 3. Fiocruz Minas; 4. Fundação Hospitalar do Estado de Minas Gerais; 5. ICB/UFMG; 6. Instituto de Ciências Biológicas, Universidade de São Paulo; 7. Instituto do Coração, Universidade de São Paulo; 8. Oncovir, Inc; Orygen, Biotecnologia; 9. Plataforma de Medicina Translacional da Fundação Oswaldo Cruz;

**VC16 - NANOPARTICLES FOR THERAPEUTIC DELIVERY OF EXOSOMES: A NEW APPROACH TO IMMUNOTHERAPY AGAINST GLIOBLASTOMA**

JAQUELINE VAZ DE OLIVEIRA; LEONARDO MIZIARA BARBOZA FERREIRA; VALTENCIR ZUCOLOTO; JOSÉ ALEXANDRE MARZAGÃO BARBUTO; Universidade de São Paulo;

**VC17 - RECEPTOR BINDING DOMAIN (RBD) RECOMBINANT PROTEINS AS VACCINE CANDIDATES FOR COVID-19**

JOÃO PEDRO DA SILVA NUNES<sup>1</sup>; JULIANA DE SOUZA APOSTÓLICO<sup>1</sup>; VICTÓRIA ALVES SANTOS LUNARDELLI<sup>1</sup>; SILVIA BEATRIZ BOSCARDIN<sup>2</sup>; MÁRCIO MASSAO YAMAMOTO<sup>2</sup>; DANIELA SANTORO ROSA<sup>1</sup>;

1. UNIFESP; 2. USP;

**VC18 - STIMULATORY EFFECT OF NANOPARTICLES OF PDDA CONJUGATED TO OVALBUMIN ON MURINE DENDRITIC CELL**

DANIELE RODRIGUES PEREIRA<sup>2</sup>; YUNYS PEREZ BETANCOURT<sup>1</sup>; BIANCA DE CARVALHO LINS FERNANDES TÁVORA<sup>3</sup>; RAFAELA CASSA MISACA<sup>3</sup>; ANA MARIA CARMONA-RIBEIRO<sup>1</sup>; ELIANA L. FAQUIM-MAURO<sup>3</sup>;

1. Department of Biochemistry, Institute of Chemistry, University of São Paulo, São Paulo, Brazil.; 2. Department of Immunology, Institute of Biomedical Sciences, University of São Paulo, São Paulo, Brazil.; 3. Immunopathology Laboratory, Butantan Institute, São Paulo, Brazil.;

## VACCINES (VC)

**VC13 - IGA QUANTIFICATION AS A GOOD PREDICTOR OF THE LEVELS OF NEUTRALIZING ANTIBODIES AFTER VACCINATION AGAINST SARS-COV-2**

LORENA DE OLIVEIRA FERNANDES SIQUEIRA<sup>3</sup>; FABIO C. L. ALMEIDA<sup>3</sup>; GUSTAVO C. FERREIRA<sup>3</sup>; LUCIANA S. WERMELINGER<sup>3</sup>; FABIANA A. P. FERREIRA<sup>3</sup>; ANDREA T. DA POIAN<sup>3</sup>; DIDIER SALMON<sup>3</sup>; ADA MARIA DE BARCELOS ALVES<sup>2</sup>; SIMONE MORAIS DA COSTA<sup>1</sup>; BEATRIZ LOPES LAURENTINO CAETANO<sup>1</sup>; AGATHA REZENDE PACHECO<sup>1</sup>; THIAGO RODRIGUES MACHADO<sup>1</sup>;

1. Fiocruz; 2. Fiocruz; 3. UFRJ;

**VC14 - IMMUNIZATION MUCOPENETRATING NANOPARTICLE CONTAINING RBD SARS-COV-2 RBD PROTEIN INDUCES HUMORAL AND CELLULAR IMMUNITY IN MICE**

JULIANA DE SOUZA APOSTOLICO<sup>3</sup>; VICTÓRIA ALVES SANTOS LUNARDELLI<sup>3</sup>; ROBERTA LIBERATO PAGNI<sup>1</sup>; ANA IOCHABEL SOARES MORETTI<sup>2</sup>; MARCO ANTÔNIO STEPHANO<sup>4</sup>; SILVIA BEATRIZ BOSCARDIN<sup>4</sup>; EDECIO CUNHA NETO<sup>2</sup>; JORGE KALIL<sup>2</sup>; DANIELA SANTORO ROSA<sup>3</sup>;

1. FMUSP; 2. INCOR/FMUSP; 3. Universidade Federal de São Paulo; 4. Universidade de São Paulo;

**VC15 - IMMUNIZATION WITH A RBD/NUCLEOCAPSID FUSION PROTEIN PROMOTES NEUTRALIZING ANTIBODY-INDEPENDENT RESISTANCE TO INFECTION WITH WILD TYPE AND SARS-COV-2 VARIANTS OF CONCERN**

JULIA CASTRO<sup>2</sup>; PATRICK AZEVEDO<sup>3</sup>; MARCILIO FUMAGALLI<sup>2</sup>; NATALIA S. HOJO-SOUZA<sup>3</sup>; NATALIA SALAZAR<sup>1</sup>; GREGORIO

# EVENT FLOOR PLAN



---

# AUTHORS INDEX

---

---

**A**

---

- ADA MARIA DE BARCELOS ALVES - **VC13**
- ADELMIR DE SOUZA MACHADO - **TR03**
- ADILSON DAVID DA SILVA - **IP12, IR27**
- ADOLFO ROJAS HIDALGO - **HI06**
- ADRIANA BONOMO - **CE82, HI08**
- ADRIANA CESAR BONOMO - **TU08, CE38**
- ADRIANA OLIVEIRA GUILARDE - **ID025, ID068**
- ADRIANA SILVA PONTES - **CE65**
- ADRIANE REGINA TODESCHINI - **TU45, TU36**
- ADRIANE TODESCHINI - **CE03, HI06**
- ADRIANO DE PAULA SABINO - **TU23**
- ADRIANO QUEIROZ SILVA - **MI28**
- ADRIANO R OLIVEIRA - **ID049**
- ADRIELLE FERREIRA RIBEIRO SANTOS - **ID066**
- ADRIENE YUMI ISHIMOTO - **ID041**
- AFSHIN BEHESHTI - **CE49**
- AGATHA FREIXINHO NEVES - **MI06**
- AGATHA REZENDE PACHECO - **VC13**
- AIRTON PEREIRA E SILVA - **CL17**
- AJIT VARKI - **TU36**
- ALAIN LEON SAEZ - **CL13, CL14**
- ALAN SAGHATELIAN - **CE49**
- ALAN SHER - **ID114, ID009, ID012**
- ALBA MARINA GIMENEZ - **VC01**
- ALBERT DESCOTEAUX - **CE58, IN24**
- ALBERTO FÉLIX DA NÓBREGA - **HI01**
- ALBERTO FELIX NÓBREGA - **ID076**
- ALBERTO GABRIEL BORGES FELIPE - **IR31**
- ALBERTO NOBREGA - **HI06**
- ALBERTO NÓBREGA - **IR14, HI08**
- ALDA MARIA TEIXEIRA FERREIRA - **ID011**
- ALEFF FERREIRA FRANCISCO - **VC05**
- ALÉIA HARUMI UCHIBABA YAMANAKA - **TR02, TR10, TR11**
- ALEIDA SORAIA DE OLIVEIRA DIAS - **CE47**
- ALEIDA SORAIA OLIVEIRA DIAS - **CE11, CE43**
- ALESSANDRA D'ALMEIDA FILARDY - **CE01, CE03**
- ALESSANDRA D'ALMEIDA FILARDY - **CE17**
- ALESSANDRA MARCIA DA FONSECA MARTINS - **CE60**
- ALESSANDRA PERES - **CE63, CL31, IN32, CL01, CL04, CL07, CL13, CL14, CL23, IN26, TU28**
- ALESSANDRA PONTILLO - **IN42**
- ALESSANDRO DOS SANTOS FARIAS - **CE39, CE45, CE56**
- ALESSANDRO S FARIAS - **CE49**
- ALEX AUGUSTO FERREIRA E FERREIRA - **CE91**
- ALEX FIORINI - **VC15**
- ALEXANDER SCHUTTE - **MI27**
- ALEXANDRA IVO DE MEDEIROS - **CE05, CE20, CE28, TU13, TU17**
- ALEXANDRE BARBOSA REIS - **ID081, ID089**
- ALEXANDRE BORIN - **ID082, ID117**
- ALEXANDRE CASTELO BRANCO - **IR30**
- ALEXANDRE CASTRO KELLER - **CE66**
- ALEXANDRE DE CASTRO KELLER - **IN41, TU11**
- ALEXANDRE H.C. MARQUES - **ID110**
- ALEXANDRE MACHADO - **VC15**
- ALEXANDRE MAGALHÃES MACHADO - **CE42**
- ALEXANDRE S BASSO - **IR50**
- ALEXANDRE SALGADO BASSO - **CE66, CE06**
- ALEXANDRE T FABRO - **IN22**
- ALEXANDRE TODOROVIC FABRO - **ID041**
- ALEXANDRE VONTOBEL PADOIN - **CE76**
- ALEXIA GRISMINO SOUSA DOS SANTOS - **IP02**
- ALICIA H GUTERREZ - **ID020**
- ALINE CLÁUDIO DE OLIVEIRA - **VC08**
- ALINE DE OLIVEIRA PONTES CARDOSO - **IP06**
- ALINE DE PAULA DIAS DA SILVA - **IP29**
- ALINE IGNACIO - **TU34**



ALINE PACHECO DE OLIVEIRA LIMA - **MI02, ID080**

ALINE PEDROSO LORENZ - **ID094**

ALISSON SANTANA DA LUZ - **TU28**

ALLAN CEZAR DE AZEVEDO MARTINS - **IR06**

ALLYSSON CRAMER - **IR10**

ALLYSSON THIAGO CRAMER SOARES - **ID099, ID111, ID120, ID022, ID023, ID033, IR26**

ALMIRO PIRES DA SILVA NETO - **ID008**

ALOISIO FALQUETO - **ID086, ID115**

ÁLVARO A CRUZ - **MI29, MI01**

ÁLVARO AUGUSTO CRUZ - **MI09**

ALVARO AUGUSTO SOUZA DA CRUZ FILHO - **MI25, TR03**

ALVARO LUIZ BERTHO DOS SANTOS - **ID018**

ALVARO PACHECO E SILVA FILHO - **TU47**

AMANDA ALECRIM - **TR04**

AMANDA BARROSO BRIZON - **EI03, EI04, EI05, EI06, EI07**

AMANDA BECERRA - **IN05**

AMANDA BERTON PERATELLI - **TR02**

AMANDA BRAGA DE FIGUEIREDO - **CL11, TU04**

AMANDA CARLOS PAULINO - **TU36**

AMANDA CURTO TAVARES - **ID053**

AMANDA DE AMORIM FERNANDES TOLEDO MARTINS - **TR10**

AMANDA DE MATOS BECERRA - **IN19, IN22**

AMANDA DIAS DA ROCHA LIMA - **TU19**

AMANDA GUBERT ALVES DOS SANTOS - **IN07, IN11**

AMANDA LINS ALECRIM - **CE10**

AMANDA MARIA LAGO DE CASTRO LEAL - **ID122**

AMANDA MUNIZ RODRIGUES - **TR08**

AMANDA ONDURAS DE ANDRADE - **IP15**

AMANDA RIBEIRO DOS SANTOS - **ID094**

AMANDA STEFANELLO - **ID118**

AMANDA TORRENTES DE CARVALHO - **CL32**

AMANDA VASCONCELOS DO NASCIMENTO - **ID034**

AMANDDA ÉVELIN SILVA DE CARVALHO - **CE92**

AMILCAR TANURI - **CL30, IN35, CE09, HI08, ID054, ID058, ID076**

ANA BEATRIZ CARIBÉ DOS SANTOS VALLE - **TU01**

ANA BEATRIZ FIGUEIREDO DE LIMA - **MI10**

ANA BEATRIZ LOPES DE SOUZA - **VC12**

ANA CARLA DA SILVA - **ID035, ID062**

ANA CARLA SILVA - **ID034**

ANA CAROLINA CAMPI AZEVEDO - **VC03, VC07**

ANA CAROLINA COSTANTI DO NASCIMENTO - **TU06, TU15, CE34**

ANA CAROLINA DE SENA AVELLAR - **CL10**

ANA CAROLINA GOMES - **CE10, CE59**

ANA CAROLINA GOMES PEREIRA - **IR09, TR04**

ANA CAROLINA GUERTA SALINA - **CL29**

ANA CAROLINA VALENTE SANTOS CRUZ DE ARAUJO - **IN04**

ANA CAROLINA VIEIRA DE JESUS - **CE41**

ANA CLARA BARBOSA ANTONELLI - **MI23**

ANA CLARA MATOSO MONTUORI DE ANDRADE - **IR34**

ANA CLARA MOTA NEVES - **CL05**

ANA CLARA RODRIGUES PERCEGONI - **CE85, CE11**

ANA CLAUDIA CELESTINO BEZERRA LEITE - **ID039**

ANA CLAUDIA TORRECILHAS - **TU56**

ANA CLAUDIA TROCOLI TORRECILHAS - **ID080**

ANA CRISTINA GOMES SANTOS - **IR22**

ANA CRISTINA MEDINA GUILLEN - **CE45**

ANA CRISTINA MOURA GUALBERTO - **TU01**

ANA ELISA NOLASCO E SILVA - **IR34**

ANA FLÁVIA GEMBRE - **IR24**

ANA I S MORETTI - **CE25**

ANA IOCHABEL SOARES MORETTI - **VC14**

- ANA JULIA E. MARTINS - **IN03**
- ANA JULIA ESTUMANO MARTINS - **IN40**
- ANA JULIA LACERDA CAMPOS - **CE41**
- ANA KARINE ARAÚJO SOARES - **ID071**
- ANA KARINE DE ARAÚJO SOARES - **ID034**
- ANA LAURA ORTEGA DEZEN - **ID024, ID037**
- ANA LILIA - **CL03**
- ANA LUIZA DE ARAÚJO BUTARELLI - **TU42, TU43, TU46, TU03, TU31**
- ANA LUIZA DOS SANTOS LOPES - **TU36**
- ANA MARIA B DE MARTINEZ - **ID049**
- ANA MARIA CAETANO DE FARIA - **CE83, ID083, IR44, CL05, CL10, CL20, IR22**
- ANA MARIA CAETANO FARIA - **IR33, CE31, ID043, ID067, IR30**
- ANA MARIA CARMONA RIBEIRO - **VC18**
- ANA MARIA MARQUES - **CE45, CE56**
- ANA MARIA REVOREDO VENTURA - **ID057**
- ANA PAULA CASTRO - **MI29**
- ANA PAULA CASTRO MELO - **TR03**
- ANA PAULA DA COSTA MARQUES - **ID094**
- ANA PAULA DUARTE DE SOUZA - **ID004, CL15, ID061**
- ANA PAULA FERNANDES - **VC15, CL12**
- ANA PAULA LEPIQUE - **IR45, IR51, IR20**
- ANA PAULA M FERNANDES - **MI18**
- ANA PAULA MARINO - **ID114**
- ANA PAULA MASSON - **MI26**
- ANA PAULA MORAIS FERNANDES - **CL27**
- ANA PAULA RAMOS - **IP08**
- ANA PAULA ROCHA VEIGA - **CE83**
- ANA PAULA SALLES MOURA FERNANDES - **CL09**
- ANA PAULA SILVA DE AZEVEDO DOS SANTOS - **TU42, TU43, TU46, TU54, TU03, TU31**
- ANA PAULA TEXEIRA MONTEIRO - **IP18**
- ANA RITA COIMBRA MOTTA DE CASTRO - **ID094**
- ANA SALLES DE CARVALHO1 - **CE15**
- ANALI M B GARNIQUE - **IN01**
- ANALIA TREVANI - **IN20**
- ANAMARIA MELLO MIRANDA PANIAGO - **ID094**
- ANAMÉLIA BOCCA - **CE08**
- ANAMÉLIA LORENZETTI BOCCA - **CE92, IR43, IN44, TU30**
- ANANDA DOMINGUES LOPES - **TU04**
- ANANDA ISIS LIMA DE MARINHO - **CL22**
- ANDERSON DE SÁ NUNES - **IP25**
- ANDERSON KENNEDY SANTOS - **TU55**
- ANDERSON MAKOTO KAYANO - **VC05**
- ANDERSON PHILIP NONATO SANTOS - **ID103**
- ANDERSON SÁ NUNES - **CE05**
- ANDRÉ ALVARES MARQUES - **TU31**
- ANDRÉ ALVARES MARQUES VALE - **TU42, TU43, TU46, TU54, TU03**
- ANDRÉ APARECIDO DOS SANTOS CORREA - **ID102**
- ANDRÉ APARECIDO SANTOS CORREA - **ID100**
- ANDRÉ C FERREIRA - **CL35, IP21, IP29**
- ANDRÉ CORREA - **ID070**
- ANDRÉ DAMASIO - **CE49**
- ANDRÉ FUJITA - **TU48**
- ANDRÉ GUILHERME PORTELA DE PAULA - **CL33, IN01, IN13, TR05**
- ANDRÉ GUSTAVO OLIVEIRA - **CE90**
- ANDRÉ LUIS BARBOSA BÁFICA - **ID052**
- ANDRÉ LUIS LACERDA BACHI - **HI02, VC09**
- ANDRÉ M VALE - **CL30, CE09, ID058**
- ANDRÉ MACEDO VALE - **CE81, IN35, HI01, HI04, HI06, HI08, ID054, ID076**
- ANDRÉ MURILO DE SOUZA MARQUES - **IR37**
- ANDRÉ NICOLAU AQUIME GONÇALVES - **MI27, CE22, ID053**
- ANDREA ALICE DA SILVA - **CL34**
- ANDRÉA NAME COLADO SIMÃO - **CL25, TR02, CL21**
- ANDRÉA QUEIROZ MARANHÃO - **MI20, MI23, MI07, MI11, MI19**
- ANDRÉA RODRIGUES CHAVES - **ID025, ID068**

- ANDREA SURRAGE CALHEIROS - **IP18**
- ANDREA T DA POIAN - **VC13, IN30**
- ANDRÉA TEIXEIRA CARVALHO - **ID043, ID060, ID067, IR30**
- ANDREA TEIXEIRA DE CARVALHO - **CL05, ID012**
- ANDRÉA TEIXEIRA DE CARVALHO - **ID114**
- ANDRÉA TEIXEIRA-CARVALHO - **ID009, VC03, VC07**
- ANDREA THOMPSON DA POIAN - **CE87, ID064**
- ANDREA THOMPSON DA POIAN1 - **CE15**
- ANDREI C SPOSITO - **CE49**
- ANDREIA C MELO - **CL19**
- ANDREIMAR M SOARES - **VC05, CE54**
- ANDREIMAR MARTINS SOARES - **CE65, CE55**
- ANDRES FELIPE ZEA VERA - **CL36**
- ANDRES SALAZAR - **VC15**
- ANDRESA APARECIDA BERRETTA - **CE32**
- ANDRESSA BARBAN DO PATROCINIO - **VC04**
- ANDRESSA DA SILVA CAZOTE - **MI06, ID051**
- ANDRESSA F PIVATO - **ID049**
- ANDRESSA KARINA LEITÃO DA ENCARNAÇÃO - **ID119**
- ANDREW OWEN - **IP29**
- ANDREY SLADKEVICIUS VIDAL - **CE04**
- ANDREZA DE BEM - **CE08**
- ANDREZA FABRO DE BEM - **ID084, TU44, TU52**
- ANDREZA M DOS SANTOS - **CL30**
- ANDREZA MOREIRA DOS SANTOS GAMA - **IN35, IR12, ID054, ID076**
- ANDREZA U. QUADROS - **IP28**
- ANELISE FRANCIOSI - **CL24, CT02, TR13**
- ANELISE GONÇALVES MARINO - **ID069**
- ANGÉLICA FERNANDES ARCANJO - **MI13**
- ANGÉLICA THOMAZ VIEIRA - **ID093, ID042**
- ANGELINA LETTIERE VIANA - **CL27**
- ANNA CAROLINE RODRIGUES FRANÇA ARRABAÇA - **CL24, CT02**
- ANNA EBERING - **CE80**
- ANNA ERIKA VIEIRA DE ARAÚJO - **ID006**
- ANNA JULIA DE FRANÇA - **CL24, CT02**
- ANNA JÚLIA LOPES PIRES - **ID078**
- ANNA MARIA SALES - **CL02**
- ANNIE R PIÑEROS - **IR04**
- ANNY WALOSKI ROBERT - **TR05**
- ANTONIA CORRÊA FERREIRA - **CE17**
- ANTONIO E R OLIVEIRA - **IR04**
- ANTONIO EDSON OLIVEIRA - **IN21**
- ANTONIO ÉDSON ROCHA OLIVEIRA - **ID053**
- ANTONIO GALINA - **IN16**
- ANTONIO LUIZ DAL BELLO GASPAROTO - **ID094**
- ANTÔNIO RICARDO KHOURI CUNHA - **ID008**
- ANTONIO ROBERTO GOMES JUNIOR - **ID068**
- ANUSKA MARCELINO ALVARES - **CE04**
- ANUSKA MARCELINO ALVARES SARAIVA - **TU56, ID020**
- ÁQUILA RODRIGUES COSTA SANTOS - **CE38**
- ARAMYS SILVA REIS - **CE32**
- ARHUR LOPO QUEIROZ - **CL18**
- ARI SÉRGIO DE OLIVEIRA LEMOS - **IN12**
- ARI WAISMAN - **CE80**
- ARIANE BARROS DINIZ - **CE90**
- ARIELI BERNARDO PORTUGAL - **ID092**
- ARILSON BERNARDO DOS SANTOS PEREIRA GOMES - **CE67, CE68, CE74, CE16, CE27**
- ARISSA FELIPE BORGES - **ID025**
- ARNE AKBAR - **ID086, ID115, ID059**
- ARNON DIAS JURBERG - **IR40, IR06**
- ARTEMIY GOLDEN - **CE80**
- ARTUR CÉSAR FASSONI - **TU33**
- ARTUR JOSÉ DA SILVA - **IP15, IP16, MI15**
- ASTRID MADELEINE CALERO GOICOCHEA - **ID091, IN02, IN24**
- ÁTILA DUQUE ROSSI - **CE47**
- ATTA UR RAHMAN - **ID065**
- AUGUSTO MARCUSSI DEGIOVANI - **CL27**
- AUREA ECHEVARRIA - **IP17**

AXEL RULF COFRÉ - **ID016**

AYANE DE SÁ RESENDE - **IR41, IN39**

AYDA H. SCHNEIDER - **IP28**

## B

BAHTIYAR YILMAZ - **IR12**

BARBARA CASELLA AMORIM - **ID094**

BARBARA CRISTINA PIZZOLANTE - **CE33**

BÁRBARA CRISTINA PIZZOLANTE - **IR42, CE46**

BARBARA DE OLIVEIRA BAPTISTA - **VC11, VC12**

BÁRBARA ELIZABETH RIBEIRO PENIDO - **IP12**

BÁRBARA FERNANDES SILVA - **ID116, IN45**

BÁRBARA GABRIELLE - **HI08**

BARBARA GABRIELLE DE ARAUJO DOS SANTOS  
- **CE09**

BARBARA NUNES PADOVANI - **IN18**

BÁRBARA OLIVEIRA MARMELLO - **CL17**

BÁRBARA OLIVEIRA VIEIRA - **CE70, CE71**

BÁRBARA PEIXOTO - **CL19, MI16**

BÁRBARA SUÉLLEN GUIMARÃES MARIN  
FERREIRA - **CE75, CE14**

BÁRBARA VIVIANA DE OLIVEIRA SANTOS - **IP04**

BEATRIZ BARRETO DUARTE - **CL18**

BEATRIZ BURGER - **CE73, CE19, CE44**

BEATRIZ CHAVES - **MI03**

BEATRIZ DOS SANTOS COSTA - **MI22**

BEATRIZ GRINSZTEJN - **MI06, ID051**

BEATRIZ LIMA ADJAFRE - **CE35**

BEATRIZ LOPES LAURENTINO CAETANO - **VC13**

BEATRIZ M FREIRE - **IR50**

BEATRIZ MAIA GUIMARÃES - **EI03, EI07**

BEATRIZ MARTON FREIRE - **CE66, CE06**

BEATRIZ PIANTONI GONÇALVES - **CL21**

BEATRIZ RABELLO ESPINOSA - **CL25, CL21**

BEATRIZ RIBEIRO DE SOUZA - **EI04, EI06, EI07**

BEATRIZ ROCHA SIMÕES DIAS - **IN24**

BERGMANN MORAES RIBEIRO - **ID084**

BERNARDO DE CASTRO OLIVEIRA - **CE61, CE77,  
IR42, CE33, CE46**

BERNARDO DE OLIVEIRA CASTRO - **ID031**

BERNARDO L HORTA - **MI29**

BERNHARD RYFFEL - **IR04**

BIA FRANCIS RAJSFUS - **ID014, ID039, MI08**

BIANCA DE CARVALHO LINS FERNANDES  
TÁVORA - **VC18, CT01**

BIANCA G C BATAGLIOLI - **IN03**

BIANCA GAZIERI CASTELUCCI - **IN38, IR08, CE49,  
CE51, CE56, CE57**

BIANCA GAZIERI CASTELUCCI BATAGLIOLI -  
**IN10**

BIANCA GRASSI DE MIRANDA SILVA - **CL11**

BIANCA H BECK - **ID052**

BIANCA H VENTURA FERNANDES - **IN01**

BIANCA KLAFKE BECK - **IR46**

BIANCA LIMA DUARTE - **TU42, TU43, TU46, TU54,  
TU03, TU31**

BIANCA LIMA FERREIRA - **CE23**

BIANCA RAMOS MESQUITA - **ID091**

BIANCA SAMPAIO DOTTO FIUZA - **MI01**

BIANCA SILVA DE VASCONCELOS - **IR37**

BLANCA ESTELA - **MI04**

BOAVENTURA BRAZ DE QUEIROZ - **ID025**

BONIEK GONTIJO VAZ - **ID025, ID068**

BRADLEY J SMITH - **ID042**

BRADLEY JOSEPH SMITH - **ID093**

BRAZ JUNIOR CAMPOS FARIAS - **CE55**

BRENDA ALVES DE SOUZA - **ID019, ID078**

BRENDA BARBOSA DE SOUSA1 - **IR48**

BRENDA CAROLINE DA SILVA TIBÚRCIO - **TR09**

BRENDA CAVALIN MOREIRA - **ID013**

BRENDA GRAZIELLI NOGUEIRA MORAES -  
**ID068**

BRENDA NAEMI LANZA NAKAGAKI - **CE62**

BRENDA NAEMI NAKAGAKI - **CE90**



BRENDA RODRIGUES SILVA - **HI02**  
 BRENO BANDONI FERRARI - **TU19**  
 BRENO VILA BOAS RAIMUNDO - **TU17**  
 BRENO VILAS BOAS RAIMUNDO - **CE20, TU13**  
 BRENO VILLA BOAS RAIMUNDO - **CE28**  
 BRIAN KELSALL - **CE17**  
 BRUNA AMANDA DA CRUZ RATTIS - **CE79, ID108**  
 BRUNA BUENO DE CAMPOS - **CE56**  
 BRUNA C. DE ALENCAR - **CE69**  
 BRUNA CUNHA GONDIM DE ALENCAR - **CE61**  
 BRUNA MANUELLA SILVA - **IN05**  
 BRUNA MARTINS MACEDO LEITE - **ID091**  
 BRUNA MORAES ISIDORO - **CL13**  
 BRUNA RATTIS - **VC15**  
 BRUNA ROBERTA OLIVEIRA NEVES - **IR17**  
 BRUNA SADAÉ YUASA - **CL33**  
 BRUNA SANRROMÃO HENRIQUE - **TU39, TU48**  
 BRUNA TOLEDO NUNES PEREIRA - **IR15**  
 BRUNI MAIA - **MI03**  
 BRUNNA M ALVES - **ID049**  
 BRUNO - **IN37**  
 BRUNO ALMEIDA SILVA - **ID107**  
 BRUNO B ANDRADE - **IN24**  
 BRUNO CASSARO - **VC15**  
 BRUNO DE BEZERRIL ANDRADE - **CL18**  
 BRUNO GARCIA PIRES - **TU12**  
 BRUNO GHIROTTO NUNES - **CE93, TU34**  
 BRUNO JOSÉ NASCIMENTO GOMES - **ID032, ID056**  
 BRUNO LOURENÇO DIAZ - **ID027**  
 BRUNO M S SANTOS - **HI01**  
 BRUNO MARQUES SILVA - **TU38**  
 BRUNO MAURÍCIO CONTERNO GUIMARÃES - **CL31**  
 BRUNO MILHOMEM PILATI RODRIGUES - **ID084**  
 BRUNO MONTANARI BORGES - **ID021, ID050, ID079**  
 BRUNO SOUZA BONIFÁCIO - **ID069**

BRUNO VALIATE - **VC15**  
 BRUNO VINICIUS SANTOS VALIATE - **VC02**  
 BRUNO VINÍCIUS SANTOS VALIATE - **CL08**  
 BRYSA MARIANA DIAS SILVEIRA - **MI22**

---

## C

---

CACILDA TEZELLI JUNQUEIRA PADOVANI - **ID011**  
 CAIO BRANDÃO GOES GOUVEIA - **ID072**  
 CAIO CESAR SOUZA SMANIOTO - **CL33**  
 CAIO LOUREIRO SALGADO - **CE61, CE77, CE83, IR42, CE33, CE46**  
 CAIO R F SILVEIRA - **TU24**  
 CAIO RAONY FARINA SILVEIRA - **TU12**  
 CAIO TAVARES FAGUNDES - **ID111, ID007**  
 CAIQUE FIGUEIREDO - **IR36**  
 CAMILA A FIGUEIREDO - **MI29**  
 CAMILA ALEXANDRINA FIGUEIREDO - **MI01**  
 CAMILA ALEXANDRINA VIANA DE FIGUEIREDO - **MI25, TR03**  
 CAMILA ALEXANDRINA VIANA FIGUEIREDO - **MI09**  
 CAMILA APARECIDA DE CARVALHO - **ID047**  
 CAMILA BARBOSA - **VC06**  
 CAMILA BOTELHO MIGUEL - **IR31**  
 CAMILA C S CAETANO - **IN22**  
 CAMILA CATALDI DE ALCANTARA - **CL25, CL21**  
 CAMILA DA SILVA CAETANO - **IN05**  
 CAMILA DE LIMA TAVARES - **HI09**  
 CAMILA DE OLIVEIRA RODINI PEGORARO - **TU32**  
 CAMILA DUTRA MOREIRA - **CE90**  
 CAMILA FARIAS AMORIM - **ID115**  
 CAMILA FERREIRA BANNWART CASTRO - **TR08, TR09**  
 CAMILA FIGUEIREDO PINZAN - **CE53**



CAMILA IDELÍ MORALES FÉNERO - **HI05, TU09, IN18**

CAMILA IDELÍ MORALES FÉNERO - **TU07**

CAMILA INDIANI DE OLIVEIRA - **IN24**

CAMILA KEHL DIAS - **TU50**

CAMILA LOPES SIMEONI - **ID024**

CAMILA MEDEIROS COSTA - **ID002**

CAMILA PEREIRA DE QUEIROZ - **TR07**

CAMILA QUEIROZ PEREIRA-GLAUSS - **TR06**

CAMILA R R PÃO - **CL35, IP21**

CAMILA RODRIGUES PÃO - **ID027**

CAMILA S. DOS SANTOS - **TR04**

CAMILA SOARES DOS SANTOS - **CE59**

CAMILA SOUZA PADILHA - **IR36, IR18**

CAMILA M. SILVA - **IP28**

CAMILA NARJARA SIMÃO OLIVEIRA - **CL27**

CAMILA TEIXEIRA DE CASTRO - **CE47**

CAMILA ZOTTESSE PELLON FERREIRA - **IN15**

CANDACE MACHADO DE ANDRADE - **MI01**

CARINA H G DE SOUSA - **ID105, ID026**

CARINA HEUSNER GONÇALVES DE SOUSA - **IN28**

CARINE DOS SANTOS DA SILVA - **IP29**

CARINE RAQUEL RICHTER SCHMITZ - **CE76**

CARLA CATARINE SANTOS RODRIGUES - **TR03**

CARLA CRISTINA JUDICE MARIA - **ID119**

CARLA DIEL FABRINI - **ID112**

CARLA FREIRE CELEDONIO FERNANDES - **VC05**

CARLA FREIRE CELEDÔNIO FERNANDES - **MI03**

CARLA MANEIRA - **IN01**

CARLA SANZOCHI FOGOLIN - **TU49**

CARLA VITOLA GONÇALVES - **ID049**

CARLO JOSÉ FREIRE DE OLIVEIRA - **IR31**

CARLOS A FUZO - **MI18**

CARLOS ALESSANDRO FUZO - **CL27, ID029**

CARLOS ANTONIO DO NASCIMENTO SANTOS - **CE64**

CARLOS ARTERIO SORGI - **CL26, CL27, CL28, ID091, IP11, MI18, TU35**

CARLOS BIAGGI JR - **MI17**

CARLOS EDUARDO BARRA COURI - **CL22**

CARLOS EDUARDO CLETO - **IN30**

CARLOS EDUARDO DA SILVA GONÇALVES - **IR17**

CARLOS HENRIQUE FANTECELLE - **ID086, ID115, ID059**

CARLOS JORGE LOGULLO DE OLIVEIRA - **MI13**

CARLOS R ZARATE BLADES - **CL28**

CARLOS R ZÁRATE BLADÉS - **IR16**

CARMEM BEATRIZ WAGNER GILCOIA GRIPP - **MI06, ID051**

CAROL K DA FONSECA - **TU24**

CAROL KOBORI DA FONSECA - **TU12**

CAROLINA ALVAREZ DE AZEVEDO - **CE11**

CAROLINA CABRAL SANTOS - **IR18**

CAROLINA CALOBA - **CL30**

CAROLINA CALÔBA OLIVEIRA DE MATTOS CRUZ - **MI27, MI05**

CAROLINA CATTONI KOH - **ID101, ID121**

CAROLINA DE ARAÚJO MEDEIROS - **ID062, ID071**

CAROLINA DO PRADO SERVIAN - **ID068**

CAROLINA ETO - **ID052**

CAROLINA FERNANDES OTONI VIEIRA - **CL08**

CAROLINA FRANCELIN - **CE56**

CAROLINA KATTONI KOH - **ID088**

CAROLINA MALAQUIAS RODRIGUES - **CL08**

CAROLINA MANGANELI POLONIO - **IR47, ID001, IR25**

CAROLINA MARTINS MOREIRA ELIAS - **ID089**

CAROLINA MELO VOLLMER - **CE43**

CAROLINA MENDONÇA GORGULHO - **TU05**

CAROLINA MOREIRA BLANCO - **IN33**

CAROLINA NAKO ABE KANO - **IN11**

CAROLINA NUNES FRANÇA - **HI02, VC09**

CAROLINA POLONIO - **ID036**





- CAROLINA Q. SACRAMENTO - **IP21, CL35, IP29**
- CAROLINE ALBUQUERQUE ROTILHO DOS SANTOS - **ID014, ID039, MI08**
- CAROLINE DA SILVA RODRIGUES - **IR14**
- CAROLINE DE SOUZA RODRIGUES - **TU08**
- CAROLINE FERNANDES DOS SANTOS BOTTINI - **CE41**
- CAROLINE FONTANARI - **ID013, ID030**
- CAROLINE JUNQUEIRA - **VC06**
- CAROLINE JUNQUEIRA GIUSTA - **ID028**
- CAROLINE LEONEL VASCONCELOS DE CAMPOS - **TU23**
- CAROLINE LEONEL VASCONCELOS DE CASTRO - **TR06**
- CAROLINE S DE FREITAS - **CL35, IP21**
- CAROLINE VITÓRIA DE OLIVEIRA - **IR29**
- CARSTEN SCHELMBAUER - **CE80**
- CASSIANO ALBUQUERQUE - **IP22**
- CÁSSIO RICARDO DE MEDEIROS SOUZA - **IP04**
- CATARINA BERTASO ANDREATTA GOTTSCHALL - **CL13, CL14**
- CAYO AMARAL ABREU - **ID073**
- CECILIA BATAGLIOLI CAVAZZONI - **HI01, HI06**
- CECÍLIA BEATRIZ FIUZA FAVALI - **IN46, IN08**
- CECILIA FAVALI - **ID087**
- CECÍLIA HORTA RAMALHO PINTO - **CL05, ID043, ID067**
- CECÍLIA LINDESTAM ARLEHAMN - **ID002**
- CÉLIO GERALDO FREIRE DE LIMA - **ID019, ID078**
- CELIO GERALDO FREIRE-DE-LIMA1 - **IR48**
- CELSO MARTINS QUEIROZ JUNIOR - **ID099, ID111**
- CESAR AUGUSTO SPECK HERNANDEZ - **MI14**
- CÉSAR LUÍS NASCIMENTO BARBOSA - **ID099, ID111, ID120, ID023, IR10, IR26**
- CESAR SPECK - **IR23**
- CHAISLAN IGOR DA SILVA NASCIMENTO - **TU14**
- CHANTAL DONOVAN - **CE88**
- CHARLES NUNES BOENO - **CE65, CE54, CE55**
- CHISTEL VÉROLLET - **IN34**
- CHRISTEL VEROLLET - **ID045**
- CHRISTIAN PASQUALI - **ID004, ID061**
- CHRISTIANE VIEIRA ALVES CALDEIRA - **TU21**
- CHRISTIANNE BANDEIRA DE MELO - **HI04, ID027**
- CHRISTIANO CALIXTO DA CONCEIÇÃO - **MI13**
- CHRISTINE NARDINI - **IR30**
- CIBELE TEREZA DEOLINDA MACHADO ORGE - **ID008**
- CID OLIVEIRA DE QUEIROZ - **ID097, HI07**
- CÍNTHIA AKEMI TANOSHI - **IN07, IN11**
- CINTHIA VILA NOVA SANTANA - **MI29, MI01**
- CINTIA FIGUEIREDO DE ARAÚJO - **CL22**
- CINTIA NASCIMENTO DA COSTA OLIVEIRA - **ID035**
- CÍNTIA NASCIMENTO DA COSTA OLIVEIRA - **ID034, ID062**
- CLARA DE OLIVEIRA ANDRADE - **TU20, TU26**
- CLARA LÚCIA BARBIÉRI MESTRINER - **ID069**
- CLARA MACIEL CAVALCANTI - **CL11, TU04**
- CLARA MARINA - **CE08**
- CLARICE DE SOUZA CONSTANCIO - **IN35, IN36, ID054**
- CLARICE M R SANTOD - **ID058**
- CLARICE MONTEIRO - **CL30**
- CLARICE MONTEIRO RODRIGUES SANTOS - **IN35, CE47, ID054**
- CLARICE S CONSTANCIO - **CL30**
- CLARICE S CONSTÂNCIO - **ID058**
- CLARISSA DE SAMPAIO SCHITINE - **CE84**
- CLARISSA M MAYA MONTEIRO - **IP22**
- CLAUDEIR DIAS DA SILVA JUNIOR - **ID107, ID062**
- CLAUDEIR DIAS DA SILVA JÚNIOR - **ID034, ID035**
- CLAUDIA CRISTINA FERREIRA VASCONCELOS - **CE47**
- CLÁUDIA CRISTINA FERREIRA VASCONCELOS - **CE85**
- CLÁUDIA CRISTINA VASCONCELOS - **CE11**
- CLAÚDIA I BRODSKYN - **IN24**

CLAÚDIA IDA BRODSKYN - **IN02**  
 CLÁUDIA IDA BRODSKYN - **ID122**  
 CLÁUDIA JUNKO INOUE - **CL21**  
 CLAUDIA PEREZ LEIROS - **IN20, IN31**  
 CLAUDIA ROCHA CARVALHO - **CE48**  
 CLAUDIA SALA - **IR30**  
 CLAUDIA V. MAURER MORELLI - **IP10**  
 CLAUDIO CANETTI - **ID027**  
 CLÁUDIO CORÁ MOTTIN - **CE76**  
 CLAUDIO FRANCESCHI - **IR30**  
 CLÁUDIO T DANIEL RIBEIRO - **ID105, ID026**  
 CLAUDIO TADEU DANIEL RIBEIRO - **IN28**  
 CLÁUDIO TADEU DANIEL RIBEIRO - **VC11, VC12**  
 CLÁUDIO TADEU DANIEL-RIBEIRO - **IN33**  
 CLÊNIO S CRUZ - **ID042**  
 CLÊNIO SILVA CRUZ - **ID093**  
 CLEONICE ALVES DE MELO BENTO - **CE72, CE85, CE11, CE43, CE47**  
 CLEYSON DA CRUZ OLIVEIRA BARROS - **ID053**  
 CLOVIS MACÊDO BEZERRA FILHO - **IP16**  
 COLLIN BROOKS - **MI01**  
 CONCEIÇÃO ELIDIANE ANIBAL SILVA - **IN21**  
 COREY COX - **MI29**  
 COROLINE LAVRATTI - **CL07**  
 CRISTHIANE FAVERO DE AGUIAR - **IN40, CE45**  
 CRISTHIANE FÁVERO DE AGUIAR - **CE56**  
 CRISTIANA C GARCIA - **ID042**  
 CRISTIANA SANTOS DE MACEDO - **ID065**  
 CRISTIANE BANI CORREA - **IR41, IN39**  
 CRISTIANE BERNARDO SILVA - **ID043**  
 CRISTIANE ESTEVES TEIXEIRA - **TU41, CE40**  
 CRISTIANE ESTEVES TEIXERIA - **CE78**  
 CRISTIANO XAVIER LIMA - **TR07**  
 CRISTINA BONORINO - **ID082, ID003**  
 CRISTINA DE FÁTIMA VELLOSO CARRAZZONE - **ID071**  
 CRISTINA DE PAULA - **CE90**

CRISTINA G N OLIVEIRA - **ID020**  
 CRISTINA MARIA PINTO DE PAULA - **CE62, IN06**  
 CRISTINA MATIELE ALVES REGO - **CE65, CE54, CE55**  
 CRISTINA R DE BARROS CARDOSO - **CL22**  
 CRISTINA RIBEIRO DE BARROS CARDOSO - **CL27, IR07, CE53**  
 CRISTINA TOSCANO FONSECA - **VC10**  
 CRISTOPHER BRYAN DA SILVA GOMES - **ID028**  
 CRISTOPHER BRYAN GOMES - **VC06**  
 CYNTHIA PECLI DA SILVA - **IP06**

---

## D

---

DAIANA VOTA - **IN20, IN31**  
 DAIANE DE FÁTIMA ENGEL - **ID093**  
 DAIANE F ENGEL - **ID042**  
 DAIANE LIMA DOS SANTOS - **TU19**  
 DALIA ALEJANDRA - **CL03**  
 DALILA LUCIOLA ZANETTE - **ID073**  
 DALZIZA VICTALINA DE ALMEIDA - **MI06, ID051**  
 DAN LITTMAN - **IR12**  
 DANIEL AUGUSTO DE TOLEDO TEIXEIRA - **ID119**  
 DANIEL AUGUSTO GASPARIN BUENO MENDES - **ID052**  
 DANIEL CLÁUDIO OLIVEIRA GOMES - **ID086, ID115, ID059**  
 DANIEL DORO - **VC15**  
 DANIEL KARCHER - **ID005**  
 DANIEL M. JORGE - **IP28**  
 DANIEL MARCONI - **CE93**  
 DANIEL MARTINS DE SOUZA - **ID093, CE49, ID042**  
 DANIEL MARTINS-DE-SOUZA - **IN47**  
 DANIEL PAPANINI - **IN31**  
 DANIEL VASCONCELOS SANTOS - **ID114**  
 DANIEL YOUSSEF BARGIERI - **VC01**

- DANIEL ZOPPI - **IR04**
- DANIELA CARLOS - **CE80, IR49, CE12, IR05, IR21**
- DANIELA CARLOS SARTORI - **ID038**
- DANIELA DA SILVA OLIVEIRA - **CE07**
- DANIELA LUZ HESSEL DA CUNHA - **TU40**
- DANIELA PATRÍCIA TRES - **ID118**
- DANIELA S REIS - **IP23, CE25**
- DANIELA SANTORO ROSA - **VC14, VC17, ID015**
- DANIELA SILVA SANTURIO - **TU33**
- DANIELE A ALVES - **ID042**
- DANIELE CARVALHO BERNARDO NASCIMENTO - **CE35, ID053**
- DANIELE CARVALHO NASCIMENTO - **IP28, IR04**
- DANIELE RIBEIRO DE ARAUJO - **TR12**
- DANIELE RIBEIRO DE LIMA REIS - **MI17**
- DANIELE RODRIGUES PEREIRA - **VC18**
- DANIELLA ARÊAS MENDES DA CRUZ - **CE41**
- DANIELLA CAMPELO BATALHA COX MOORE - **CL32**
- DANIELLE A S RODRIGUES - **CL30, HI08, ID076**
- DANIELLE APARECIDA SOUSA RODRIGUES - **IN35, CE09, HI01, ID054**
- DANIELLE AS RODRIGUES - **ID058**
- DANIELLE CRISTINA ZIMMERMANN FRANCO - **IP12**
- DANIELLE CUNHA TEIXEIRA - **ID103, ID113**
- DANIELLE FERNANDES DURSO - **IR30**
- DANIELLE OLIVEIRA NASCIMENTO - **ID019, ID078**
- DANIELLE OLIVEIRA NASCIMENTO2 - **IR48**
- DANIELLE PINI ALVES MASCARENHAS - **CE86, IN05**
- DANILLO PEREIRA DANTAS - **CE81**
- DANILO BINES - **MI16**
- DANILO CHAVES DA SILVA RAMOS DE SOUZA - **ID040**
- DANRLEY MORAES TEIXEIRA - **TU42, TU43, TU46, TU54, TU03, TU31**
- DARIO S. ZAMBONI - **IR04, CE80**
- DARIO SIMÕES ZAMBONI - **CE86, IN05, ID041, IN19, IN22**
- DAVI TROMBINI ALEIXO - **TU01**
- DAVID MOSSER - **ID086**
- DAYANE PRADO MEDEIROS - **MI20**
- DAYANNE CARLA FERNANDES - **IN01**
- DEBORA DE MELLO GONÇALES SANT'ANA - **IN07**
- DÉBORA DE MELLO GONÇALES SANT'ANA - **IN11**
- DEBORA DE OLIVEIRA MARES SILVESTRO - **TU56**
- DEBORA DECOTÉ RICARDO - **ID078, ID019, IR48**
- DEBORA F BARRETO VIEIRA - **IP21**
- DÉBORA LEAL VIANA - **ID096**
- DÉBORA SANTOS DA SILVA - **TU53, TU16**
- DEBORA SANTOS SILVA - **ID084**
- DEBORAH APARECIDA NEGRÃO CORRÊA - **ID072**
- DEBORAH BITTENCOURT MOTHÉ FRAGA - **ID091**
- DÉBORAH CAROLINA CARVALHO DOS ANJOS - **ID068**
- DEBORAH GIOVANNA CANTARINI - **ID040**
- DEIVISON SILVA ARGOLO - **IP19**
- DENIS DE MELLO SOARES - **CE84**
- DENISE CARMONA CARA - **IR44**
- DENISE DO SOCORRO DA SILVA RODRIGUES - **CE14**
- DENISE M DA FONSECA - **IR04**
- DENISE MORAIS DA FONSECA - **CE61, CE77, CE83, IR42, ID031, CE33, CE46**
- DENISE MORAIS FONSECA - **IR30**
- DESIRÉE RODRIGUES PLAÇA - **ID110**
- DEUSILENE SOUZA VIEIRA - **CL12**
- DHÉLIO BATISTA PEREIRA - **ID002**
- DIAMANTINO SALGADO - **ID014**
- DIANA M TORO - **MI18**
- DIANA MOTA TORO - **CL27, IP11, TU35**
- DIANA MOTRA TORO - **CL26**

DIDIER SALMON - **VC13**  
 DIEGO RODRIGUES DE PAULA - **IR11**  
 DIEGO ALLONSO - **ID014, ID039, MI08**  
 DIEGO B. CAETITÉ - **IP28**  
 DIEGO BRITO CAETITÉ - **CE35**  
 DIEGO CAETITÉ - **IR04**  
 DIEGO CRIMI DE CASTRO - **CE62, CE90**  
 DIEGO DEL DUCA LIMA - **CL01**  
 DIEGO FERIANI - **CL11**  
 DIEGO JOSÉ LIRA TORRES - **ID034, ID062, ID071**  
 DIEGO L COSTA - **ID070**  
 DIEGO LUIS COSTA - **ID046, IR24**  
 DIEGO LUÍS COSTA - **ID100, ID102**  
 DIEGO RIBEIRO DE SOUZA - **IR09**  
 DIEGO RODNEY RODRIGUES DE ASSIS - **IR26**  
 DIEGO V DAS NEVES - **TU22**  
 DIEGO ZAMBONIN - **TU50**  
 DIMITRI SOKOLOWSKEI - **MI11**  
 DIOGO DE MORAES - **IN38, CE39**  
 DIRCE MARIA CARRARO - **TU04**  
 DISRAELI CAVALCANTE VASCONCELOS - **MI03**  
 DOMINGO PALMERO - **IN34, ID045**  
 DOMINIQUE KAISERLIAN - **CL30, ID054**  
 DOUGLAS DA SILVA PRADO - **CE35**  
 DOUGLAS DOS SANTOS - **IN14**  
 DOUGLAS GOLENBOCK - **CE24**  
 DOUGLAS MATHIAS DE OLIVEIRA - **IP24**  
 DOUGLAS MATHIAS OLIVEIRA - **IP01, IP18**  
 DRAGANA JANKOVIC - **ID114, ID009, ID012**  
 DUMITH BOU HABIB - **IP29**  
 DUMITH C BOU-HABIB - **IP21**  
 DUMITH CHEQUER BOU-HABIB - **IR40, CL35**

---

## E

---

EDECIO CUNHA NETO - **ID109, VC14, ID015, ID055**  
 EDEILDO FERREIRA DA SILVA JÚNIOR - **IP03**  
 EDGAR MARCELINO DE CARVALHO FILHO - **ID096, ID073, ID074**  
 EDGAR RUZ FERNANDES - **ID015**  
 EDGAR. M. DE CARVALHO FILHO - **ID029**  
 EDILBERTO POSTÓL - **CE25**  
 EDILENE OLIVEIRA DA SILVA - **ID057**  
 EDISMAURO GARCIA FREITAS FILHO - **IN47**  
 EDMILSON WILLIAN PROPHETA DOS SANTOS - **IR41, IN39**  
 EDNA MARIA VISSOCI REICHE - **CL25, CL21**  
 EDROALDO LUMMERTZ ROCHA - **TU41**  
 EDSON DOS SANTOS SILVA - **CE06**  
 EDSON DURIGON - **VC15**  
 EDSON NAOTO MAKIYAMA - **IR17**  
 EDUARDA LAIS MUNARI - **ID052**  
 EDUARDA TALITA BRAMORSKI MOHR - **IR46**  
 EDUARDO ANTONIO DONADI - **MI26**  
 EDUARDO ANZOLIN - **TU50**  
 EDUARDO CREMONESE FILIPPI CHIELA - **CE76**  
 EDUARDO DE SOUZA FERREIRA - **IN16**  
 EDUARDO JORGE DA SILVA FONSECA - **ID016**  
 EDUARDO LANI VOLPE DA SILVEIRA - **CE22, IR16**  
 EDUARDO M CILLI - **IN01**  
 ELAINE C DE OLIVEIRA - **TU22**  
 ELAINE CARVALHO DE OLIVEIRA - **ID098, ID122**  
 ELAINE CONCEIÇÃO DE OLIVEIRA - **TU19**  
 ELAINE CRISTINA OLIVEIRA DA SILVA - **ID016**  
 ELAINE REGINA DELICATO DE ALMEIDA - **CL25**  
 ELAINE S COSTA - **ID058**  
 ELAINE SPEZIALI - **ID067**  
 ELAINE SPEZIALI DE FARIA - **VC03**

- ELAINE SPEZIALI FARIAS - **CL05**
- ELAINE SPEZIALLE DE FARIA - **CL10**
- ELAINE Z M DA SILVA - **TU24**
- ELANE CONCEIÇÃO DOS SANTOS - **ID016, IP03**
- ELANE MACIEL - **ID087, IN46**
- ELANE PRISCILA MACIEL - **IN08**
- ELAYNE BRAGANÇA JARDIM - **TU15, CE34**
- ELAYNE C MACHADO - **ID042**
- ELAYNE CRISTINA MACHADO - **ID093**
- ELENA MONTES COBOS - **CL30, TU51, IR12, ID054, ID058, IN17**
- ELENA MONTES-COBOS - **IN35, IN16**
- ELENA VICTORIA MONTES COBOS - **IN36, ID076**
- ELIANA FAQUIM DE LIMA MAURO - **CT01**
- ELIANA L FAQUIM MAURO - **VC18**
- ELIANA M WENDLAND - **IN26**
- ELIANA WENDLAND - **CE63**
- ELIANE APARECIDA GOMES DE MELLO NASCIMENTO - **CE61**
- ELIANE GOMES - **HI04**
- ELIAS BARBOSA DA SILVA JUNIOR - **ID019, ID078**
- ELIAS BARBOSA SILVA-JUNIOR1 - **IR48**
- ELIENE MARTINS DE LIRA - **CL16**
- ELINTON ADAMI CHAIM - **IN38**
- ELISA BEATRIZ PRESTES - **IN16, IN17**
- ELISA MARIA DE SOUSA RUSSO - **CL27**
- ELIZABETH ALEXANDRA FLATOW - **TU49**
- ELIZABETH C PÉREZ - **ID020**
- ELIZABETH CRISTINA PEREZ HURTADO - **TU56**
- ELIZABETH MENDES - **IR28**
- ELIZABETH PINTO BELORIO - **CE41**
- ELIZETE KEITEL - **CL13, CL14**
- ELLEN KIARELY DE SOUZA - **IN25**
- ELOAH RABELLO SUAREZ - **TU29**
- ELOÍSA ATHAYDES SEABRA FERREIRA - **TU55**
- ELOÍSA HELENA MEDEIROS CUNHA - **IR30**
- ELOISA MARTINS - **CE80**
- ELOÍSA MARTINS DA SILVA - **TU47, IR32, TU34, HI05**
- ELVIRA M SARAIVA - **IN24**
- ELVIRA MARIA SARAIVA - **CE60**
- ELVIRAH SAMANTHA - **TR04**
- ELVIRAH SAMANTHA DE SOUSA SANTOS - **CE10, CE59**
- EMANUEL ARAGÃO - **TU26**
- EMANUELLE ARANTES PAIXÃO - **TU33**
- EMANUELLE BALDO GASPAR - **MI17**
- EMANUELLE VASCONCELLOS DE LIMA - **ID064**
- EMELY LAIRE - **IN34**
- EMILIANA C AVILA - **ID049**
- EMILIANO BARRETO - **CE82**
- EMMANUEL ARAGÃO - **CE36**
- EMMANUEL ARTHUR ALBUQUERQUE ARAGAO - **CE02**
- EMMANUELLE NASCIMENTO QUAGLIATO - **TU32**
- ÊNIO JOSÉ BASSI - **ID016, IP03**
- ERASMO CARLOS FARIAS JUNIOR - **CE30**
- ERIANE CERQUEIRA SANTOS - **CE38**
- ERIC R G R AGUIAR - **ID042, IN29**
- ERICA JANAÍNA DA SILVA - **ID107**
- ERICK C CASTELLI - **ID055**
- ERICK DA CRUZ CASTELLI - **TR08, TR09**
- ERICK ESTEVES DE OLIVEIRA - **ID081, ID089, IR38, IP12, IR27**
- ERICK LINCOLN CARNEIRO - **IN07, IN11**
- ERIKA DA SILVA ROSA - **ID093**
- ERIKA MACHADO DE SALLES - **ID040**
- ERIKA S GUIMARÃES - **IN29**
- ERIKA S ROSA - **ID042**
- ERIKA SOUZA GUIMARÃES - **IN04**
- ESMERALDA SOARES - **ID049**
- ESTEBAN G BURCHARD - **MI29**
- ESTEFANIA APARECIDA THOMÉ FRANCO - **ID037**
- ESTEFANIA VAZQUEZ - **CE17**



ESTER BARRETO - **IP21**  
 ESTER DOS SANTOS ROFFE - **ID012**  
 ESTER PALERMO - **CE17**  
 ESTER PALERMO MAIA - **CE01, CE03**  
 EUGENIA HENKE - **TU28**  
 EUGÊNIA TERRA GRANADO - **TU14**  
 EUGENIO D HOTTZ - **CL35, IP21, CL19**  
 EUGÊNIO DAMACENO HOTTZ - **IP01, IP18, ID090, IP24**  
 EULA G A NEVES - **ID101**  
 EULA GRACIELE AMORIM NEVES - **ID088, ID121**  
 EURICO ARRUDA - **IN22**  
 EUZENIR NUNES SARNO - **CL02**  
 EVA BURGER - **ID032, ID056**  
 EVELYN KETY PRATT RICCIO - **VC11, VC12**  
 ÉVINY KNUPP DA SILVA - **ID067**

## F

FABIANA A P FERREIRA - **VC13**  
 FABIANA BARONI MAKDISSI - **TU04**  
 FABIANA FINGER JARDIM - **ID049**  
 FABIANA FIORAVANTE COELHO - **CL12**  
 FABIANA GRANJA - **ID082**  
 FABIANA SIMAO MACHADO - **IR26**  
 FABIANA SIMÃO MACHADO - **ID095, ID099, ID111, ID120, ID022, ID023, ID033, IR10**  
 FABIANA TEIXEIRA E SILVA - **EI01, EI02**  
 FABIANE CRISTINA COLUNA - **IR51**  
 FABIANE DA SILVA REIS GOES - **ID048**  
 FABIANE DA SILVA REIS GÓES - **ID063**  
 FABIANI GAI FRANTZ - **ID013, ID030**  
 FÁBIO ANTÔNIO VITARELLI MARINHO - **IN04**  
 FÁBIO BARROZO CANTO - **IR12**  
 FÁBIO BARROZO DO CANTO - **IR14**  
 FABIO BONIFACIO DE ANDRADE - **IP27**

FABIO C. L. ALMEIDA - **VC13**  
 FÁBIO DE CARVALHO PEIXOTO - **ID073, ID096**  
 FABIO MAMBELLI - **TU38**  
 FABIO SANTOS LIRA - **IR36, IR18**  
 FÁBIO TRINDADE MARANHÃO COSTA - **ID119**  
 FÁBIO V MARINHO - **IN29**  
 FABÍOLA ATTÍE DE CASTRO - **TU35**  
 FABIOLA M RIBEIRO - **ID042**  
 FABIOLA MARA RIBEIRO - **ID093**  
 FABIOLA SOUZA FIACCADORI - **ID068**  
 FABRÍCIA HELOISA CAVICCHIOLI SUGIYAMA - **ID013, ID030**  
 FABRÍCIO FIGUEIRÓ - **CE76, TU50**  
 FABRICIO MONTALVÃO FERREIRA - **IR06**  
 FÁTIMA COSTA RODRIGUES GUMA - **CE76**  
 FÁTIMA MAGRO OSTINI - **CL27**  
 FATIMA MERECH - **IN20, IN31**  
 FAUSTO BRUNO DOS REIS ALMEIDA - **ID013**  
 FAUSTO K FERRARIS - **IN01**  
 FEDERICO FUENTES - **ID045**  
 FELIPE AUGUSTO ROS - **TU37, TU10**  
 FELIPE BETONI SARAIVA - **ID006**  
 FELIPE CAIXETA - **IR30**  
 FELIPE CAIXETA MOREIRA - **MI24**  
 FELIPE CAMPOS DE ALMEIDA - **TU35**  
 FELIPE CAYRES NOGUEIRA DA ROCHA LOURES - **TR10, TR11**  
 FELIPE CORRÊA DA SILVA - **CE56**  
 FELIPE DANIEL CARDOSO - **ID080**  
 FELIPE DAVID MENDONÇA CHAIM - **IN38**  
 FELIPE FERRARO - **IN25**  
 FELIPE FREITAS CASTRO - **ID041**  
 FELIPE HENRIQUE DA CUNHA XAVIER - **CE82, CE38**  
 FELIPE ROCHA DA SILVA SANTOS - **ID103, ID113**  
 FELIPE SALDANHA DE ARAUJO - **CE92**  
 FELLIPE DA SILVEIRA BEZERRA DE MELLO - **IN01**





FERNANDA CARDOSO - **HI03**

FERNANDA DE LIMA TANA - **ID103**

FERNANDA DE OLIVEIRA FEITOSA DE CASTRO  
- **ID025**

FERNANDA FORTES DE ARAÚJO - **ID009, ID012**

FERNANDA GOMES LAGO - **ID085**

FERNANDA HELOISE CÔRTEZ - **MI06, ID051**

FERNANDA M SOUZA - **CE30**

FERNANDA MESQUITA DE SOUZA - **CE79, CE42**

FERNANDA MONTEIRO - **HI02**

FERNANDA PELISSON MASSI - **TR11**

FERNANDA SALLES SEGURO - **TU37**

FERNANDA TEIXEIRA BRAGA GOMES - **IR10**

FERNANDA TEREZA BOVI FROZZA - **ID003**

FERNANDO A BOZZA - **CL35, IP21, IP24, IP01**

FERNANDO ABDULKADER - **IR35**

FERNANDO AUGUSTO BOZZA - **ID090, IP18**

FERNANDO AUGUSTO LAVEZZO DIAS - **IN13**

FERNANDO BENRO RODRIGUES OLIVEIRA -  
**IR26**

FERNANDO BENTO RODRIGUES OLIVEIRA -  
**ID095, ID099, ID111, ID120, ID022, ID023,  
ID033, IR10**

FERNANDO BERTON ZANCHI - **VC05**

FERNANDO COUSO CORREA - **ID024, ID037**

FERNANDO CRIVELANTI VILAR - **CL27**

FERNANDO DE QUEIROZ CUNHA - **CE80, IP27,  
IP28, CE35, ID053, IR23, IR29**

FERNANDO LUZ DE CASTRO - **HI01**

FERNANDO PRADELLA - **TU22**

FERNANDO Q CUNHA - **IR04**

FERNANDO QUEIROZ CUNHA - **CE52, IN21**

FERNANDO ROQUE ASCENÇÃO - **ID007**

FERNANDO TADEU TREVISAN FRAJACOMO -  
**TU20**

FILIFE M DE MELO - **IR50**

FILIFE S PEREIRA DUTRA - **IP22**

FILIFE SANTOS PEREIRA DUTRA - **ID075, IN25**

FIRMINO MARTINS - **IR07**

FIRMINO MARTINS DOS SANTOS NETO - **CL27**

FLAVIA B SOARES - **ID055**

FLÁVIA CARMO HORTA PINTO - **CE48**

FLÁVIA DE AZEVEDO ABRANTES - **CL11**

FLÁVIA FONSECA BAGNO - **ID097, CL09, HI07**

FLÁVIA L RIBEIRO GOMES - **ID105, ID026**

FLÁVIA LIMA RIBEIRO GOMES - **IN28**

FLÁVIA MÁRCIA DE CASTRO E SILVA - **IR38**

FLÁVIA PEREIRA DE SOUZA - **ID068**

FLÁVIA PIRES PEÑA - **VC08**

FLÁVIA REGINA NOVAIS DE FREITAS - **ID047**

FLAVIANO LUIZ ROCHA DA SILVA - **CE10, CE59**

FLAVIANO S MARTINS - **ID042**

FLAVIO DA FONSECA - **VC15**

FLAVIO G DA FONSECA - **CE25**

FLÁVIO GUIMARÃES DA FONSECA - **ID097, CL09,  
HI07**

FLÁVIO HENRIQUE DE JESUS SANTOS - **ID091,  
IN02, CE58**

FLÁVIO P. VERAS - **IN01, IR04, IP28**

FLÁVIO PIGNATARO OSHIRO - **CL11**

FLÁVIO PROTASIO VERAS - **IN37**

FLÁVIO PROTÁSIO VERAS - **CE52**

FLÁVIO VIEIRA LOURES - **ID021, ID050, ID079**

FLORA ROSA CAMPOS - **CE70, CE71**

FLORENCIA M BARBÉ TUANA - **TU50**

FLORENCIA MARÍA BARBÉ TUANA - **CE76**

FLORENCIA SABBIONE - **IN20**

FRANCIELLY MOREIRA - **CE61, CE77, IR42, ID031,  
CE33, CE46**

FRANCISCA DE FATIMA DOS ANJOS - **IP06**

FRANCISCA YARA SILVA LIMA - **MI03**

FREDERICO ALISSON DA SILVA - **MI27, TU45,  
TU36**

FREDERICO ALISSON SILVA - **HI06**

FREDERICO PITTELLA SILVA - **TU01**

**G**

- GABRIEL ALVIM - **CE90**
- GABRIEL ALVIM MACHADO MENDES - **CE62, IN06**
- GABRIEL AZEVEDO PÚBLIO - **CE35**
- GABRIEL CORREIA LIMA - **TU40**
- GABRIEL DA ROCHA FERNANDES - **ID008**
- GABRIEL DA SILVA BARROS - **IN16**
- GABRIEL DESSOTTI BARRETTO - **TU35**
- GABRIEL FERRANTI CORRÊA - **CE20**
- GABRIEL FRANCO DOS SANTOS - **ID068**
- GABRIEL FRANCO SANTOS - **ID025**
- GABRIEL HILARIO - **ID082, VC08**
- GABRIEL NUNES SOARES - **CL32**
- GABRIEL PASQUARELLI DO NASCIMENTO - **ID084, TU44, TU02**
- GABRIEL QUITETE SCHALLER CHAGAS2 - **CE15**
- GABRIEL RIBEIRO FARIAS - **TU02**
- GABRIEL V. L. SILVA - **IP28**
- GABRIEL VICTOR LUCENA DA SILVA - **IN21**
- GABRIELA ABREU DA SILVEIRA E NUNES - **CL05**
- GABRIELA BARBI FREIRE MAIA - **CL08, VC02**
- GABRIELA BURLE - **VC15**
- GABRIELA COELI MENEZES EVANGELISTA - **TU49**
- GABRIELA DA SILVEIRA E NUNES - **ID043**
- GABRIELA DE ASSIS BURLE CALDAS - **ID097, HI07**
- GABRIELA DE OLIVEIRA - **VC03**
- GABRIELA DUARTE DA SILVA - **ID098, ID122**
- GABRIELA FABIANO DE SOUZA - **CE49**
- GABRIELA FARIAS GUBERT - **IR16**
- GABRIELA FLAVIA RODRIGUES LUIZ - **CE49**
- GABRIELA LUIZ - **ID052**
- GABRIELA MACIEL - **CE09, HI08**
- GABRIELA MACIEL DA SILVA - **HI01, ID076**
- GABRIELA MANDÚ GIMENES - **CE59**
- GABRIELA P PINHEIRO - **MI29**
- GABRIELA PIMENTEL - **MI01**
- GABRIELA PIMENTEL PINHEIRO - **MI25**
- GABRIELA PRANDI CAETANO - **CE83**
- GABRIELA RAPOZO GUIMARÃES - **CE78, TU41, CE40**
- GABRIELA SILVEIRA NUNES - **ID067, IR30**
- GABRIELLA MARIA MARINHO MESQUITA PINHEIRO - **CE92, CE32**
- GABRIELLA SIMÕES HEYN - **TU44**
- GABRIELLE ADRIANI MELO MARCELINO - **IR23**
- GABRIELLE BRUM LOPES DA SILVA - **MI27, MI05**
- GARDENIA BRAZ FIGUEIREDO DE CARVALHO - **VC10**
- GEANNCARLO LUGO VILLARINO - **ID045**
- GEANNECARLO LUGO VILLARINO - **IN34**
- GEÓRGIA DO NASCIMENTO SARAIVA - **ID064**
- GEOVANNI D CASSALI - **ID042**
- GERALDO ALEIXO PASSOS - **MI26**
- GERALDO PEDRAL SAMPAIO - **TU14**
- GERLINDE AGATE PLATAIS BRASIL TEIXEIRA - **CL17**
- GERSON S PROFETA - **CE49**
- GESIANE DA SILVA LIMA - **ID025, ID068**
- GESSILDA ALCÂNTARA NOGUEIRA-MELO - **IN11**
- GESSILDA DE ALCANTARA NOGUEIRA-MELO - **IN07**
- GILBERTO DE CASTRO - **TU48**
- GILBERTO GAMBERO GASPAR - **CL27**
- GILBERTO MARCELO SPERANDIO DA SILVA - **CL02**
- GILLES KAUFFENSTEIN - **IR04**
- GILSANE VON POSER - **IP02**
- GILSON COSTA MACEDO - **IR38, IN12, IP12, IR27**
- GILSON DORNELES - **IN32**
- GILSON MASAHIRO MURATA - **IR09**



- GILSON PIRES DORNELES - **CE63, CL31, IR36, CL01, CL04, CL07, CL13, CL14, CL23, IN26, TU28**
- GIOVANA HAMERSKI TROMBETTA - **CL07**
- GIOVANNA CALILMAN CAMATTA - **ID043**
- GIOVANNA CALIMAN CAMATTA - **CL05, CL20, ID067, IR30**
- GIOVANNA GONÇALVES DO NASCIMENTO - **TU19, TU22**
- GIOVANNA GUIDELLI - **IN01**
- GIOVANNA LOPES DE ARAÚJO - **ID068**
- GIOVANNA NOGUEIRA PEZZELLA FERREIRA - **ID027**
- GIOVANNA RESK MAKLOUF - **CE78, TU41, CE40**
- GIOVANNI F. GOMES - **IP28, IN05**
- GISELE CASSÃO - **ID004**
- GISELE DE CASTRO - **IR35, IR39, IN40, IR08, CE50, CE56**
- GISELE R DE OLIVEIRA - **ID049**
- GISELI F CORREA - **IR24**
- GISELLE FAZZIONI PASSOS - **ID064**
- GISELY BRITO - **MI13**
- GIULIA LOPES - **ID087, IN46**
- GIULIA MARILAC TEIXEIRA DA SILVA - **ID067**
- GIULIA SBROCCA FERREIRA - **TU45**
- GIULIA SILVA LOPES - **IN08**
- GIULIANA DA SILVA ZUCCOLI - **ID093**
- GIULIANA EBOLI SOTORILLI - **ID117**
- GIULIANA S ZUCCOLI - **ID042**
- GIUSEPPE GIANINI FIGUEIREDO LEITE - **CE23**
- GIUSEPPE PALMISANO - **IN19**
- GLAUCIA DINIZ ALESSIO - **ID060**
- GLAUCIA M MACHADO SANTELLI - **IN01**
- GLAUCIA SOUZA DE ALMEIDA - **IR15**
- GLEIDSON TEIXEIRA - **IN01**
- GLEN N BARBER - **IN29**
- GONÇALO AMARANTE GUIMARÃES PEREIRA - **IN01**
- GOPALAN NARENDRAN - **CL18**
- GRACIA APARECIDA MARTINEZ - **TU37**
- GRACIELA MARIA DIAS - **HI06**
- GRACIELA REYSCHER - **IN31**
- GRAHAM PAWELEC - **ID003**
- GRAZIELA GORETE ROMAGNOLI - **TU05**
- GRAZIELE QUINTELA CARVALHO - **IN24**
- GRAZIELE SILVEIRA FARDIN - **TU28**
- GRAZIELLE LOBO COELHO - **ID016, IP03**
- GREGORIO ALMEIDA - **VC15**
- GREGÓRIO GUILHERME ALMEIDA - **ID114, CL08, ID002, ID009, ID012, VC02, VC10**
- GUILHERME AFONSO MELO - **MI27, MI05**
- GUILHERME C. M. CEBINELLI - **CE80**
- GUILHERME C.M. CEBINELLI - **IP28**
- GUILHERME CESAR MARTELOSSI CEBINELLI - **CE35, ID053**
- GUILHERME DE CASTRO MAIA - **ID028**
- GUILHERME FERNANDO RECACHO - **ID004, CL15**
- GUILHERME FERREIRA DE BRITTO EVANGELISTA - **TU04**
- GUILHERME IACK PINHEIRO DA CRUZ - **EI01, EI02, IP07, ID075**
- GUILHERME LERNER TRIGO - **CL25, TR02, CL21**
- GUILHERME M J COSTA - **IP23**
- GUILHERME MAIA - **VC06**
- GUILHERME MALAFAIA - **IN01**
- GUILHERME MARTINS GOMES FONTOURA - **CE32**
- GUILHERME RIBEIRO - **IR08, IN03, CE49, CE57**
- GUILHERME RIBEIRO DA SILVA - **IR35, IN40, IN10, CE45, CE51**
- GUILHERME S DE LIRA - **CL30**
- GUILHERME S LIRA - **ID058**
- GUILHERME SANT'ANNA DE LIRA - **IN35**
- GUILHERME SANT'ANNA DE LIRA - **CL06, ID054**
- GUILHERME SANTOS VINHANDPELLI - **EI04**
- GUILHERME SILVA MIRANDA - **ID072**



GUILHERME WILLIAM DA SILVA - **CE61, CE77, IR42, CE33**

GUILHERME WILLIAN DA SILVA - **CE46**

GUILLERMINA CALO - **IN20**

GUSTAVO BATISTA DE MENEZES - **CE62**

GUSTAVO BATISTA MENEZES - **IN06**

GUSTAVO C. FERREIRA - **VC13**

GUSTAVO GASTÃO DAVANZO - **IR35, IN40, IR08, IN10, CE45, CE49, CE51, CE56, CE57**

GUSTAVO HENRIQUE GOLDMAN - **ID050**

GUSTAVO J MARTINEZ - **MI27**

GUSTAVO MARINHO MIRANDA - **IP05**

GUSTAVO MARTINEZ - **MI05**

GUSTAVO MEIRA DE ASSIS - **HI08**

GUSTAVO MENEZES - **CE90, IN27**

GUSTAVO N O COSTA - **MI29**

GUSTAVO NUNES DE OLIVEIRA COSTA - **TR03**

HELDER CARVALHO DE ASSIS - **CE67, CE68, CE74, CE16**

HELDER I NAKAYA - **ID082, IR04**

HELDER NAKAYA - **IN27**

HELDER TAKASHI IMOTO NAKAYA - **MI27, CE22, IR08, ID053**

HELEN RODRIGUES MARTINS - **ID060**

HELENA M.P. TEIXEIRA - **MI29**

HELENA MARIANA PITANGUEIRA TEIXEIRA - **MI09, TR03**

HELENA T SCHEID - **ID058**

HELLEN ANASTÁCIA DA SILVA SOARES - **CE79, ID108**

HÉLLEN FREITAS - **MI29**

HELOÍSA ANTONIELLA BRAZ DE MELLO - **TU02**

HELOISA ANTONIELLA BRAZ DE MELO - **ID084, TU44**

HELOÍSA ANTONIELLA BRAZ DE MELO - **ID085, TU53, TU16**

HELTON COSTA SANTIAGO - **TU23**

HELTON DA COSTA SANTIAGO - **TR06, TR07**

HELTON SANTIAGO - **VC15**

HELYSON LUCAS BEZERRA BRAZ - **IN01**

HENRIQUE CESAR CALDERON FERRAIUOLO - **IR39**

HENRIQUE COUTO TEIXEIRA - **ID081, ID089**

HENRIQUE FERREIRA DE BRITO - **ID094**

HENRIQUE RESENDE SANTIAGO - **ID067**

HENVER SIMIONATO BRUNETTA - **IN10, CE39, CE57**

HERBERT LEONEL DE MATOS GUEDES - **ID086, ID115, ID019, CE60, ID059**

HERBERT LEONEL DE MATTOS GUEDES - **ID078**

HERNANDEZ MOURA SILVA - **ID052**

HIRAN REIS SOUSA - **TU42, TU43, TU46, TU03, TU31**

HORTÊNCIA MACIEL DE CASTRO OLIVEIRA - **CE62**

HORTÊNCIA OLIVEIRA - **CE90**

## H

HALLISON MOTA SANTANA - **CE65, CE91, CE54, CE55**

HARRIET MPAIRWE - **MI01**

HÁTILLA DOS SANTOS SILVA - **MI29**

HAYNA MALTA SANTOS - **ID091**

HEINY D P FERNANDES - **CL30**

HEINY DELCIENE DE PINA FERNANDES - **IN36, ID054**

HEINY DELCIENE PINA FERNANDES - **IN35**

HEINY DP FERNANDES - **ID058**

HEITOR FRANCO DE ANDRADE JÚNIOR - **ID047**

HEITOR SIFFERT PEREIRA DE SOUZA - **CE18, IR12**

HELBER DA MAIA VALENÇA - **IP06**

HELDER CARVALHO - **IR22**

HELDER CARVALHO ASSIS - **CE31**



HOSANA GOMES RODRIGUES - **CE73, CE19, CE44**  
 HUGO AKIRITO DE ALMEIDA OYAMADA - **CE72, CE43, CE47**  
 HUGO AMORIM DOS SANTOS DE SOUZA - **IN33, VC11, VC12**  
 HUGO ESPINHEIRA DA SILVA - **IP22**  
 HUGO ITARU SATO - **CL05, ID043, ID067**  
 HUMBERTO DORIGUÊTTO GRAVINA - **ID013, ID030**

**I**

IANE MAYARA FORES DA CUNHA - **TU31**  
 IANE MAYARA FROES DA CUNHA - **TU42, TU43**  
 IANE MAYARA FROES DA CUNHA1 - **TU46**  
 ICARO BONYEK SANTOS DA SILVA - **CL22**  
 ÍCARO M S DE CASTRO - **IR04**  
 ÍCARO S LOPES - **ID042**  
 ÍCARO VALENTIM CÂMARA MAGGI - **IP04**  
 IEDA REGINA DOS SANTOS - **IN21**  
 IGOR DE OLIVEIRA SANTOS - **ID084, TU02**  
 IGOR MARTINS - **CL13, CL14**  
 IGOR MÜLLER DA SILVA SANTOS - **MI28**  
 IGOR RESENDES BARBOSA - **IP17**  
 IKARO ALVES DE ANDRADE - **CL16**  
 IKARO BREDER - **CE49**  
 ILANA SOUZA CORREA - **CE10, TR04, CE59**  
 INÊS APARECIDA TOZETTI - **ID011**  
 INGA RIMKUTE - **ID114, ID009, ID012**  
 INGO RIEDERER - **IR40**  
 INGRID ESTEVAM PEREIRA - **ID089**  
 INGRID SANCHO DE FARIAS - **MI02, ID080, MI10**  
 IORY ANDRADE PORTILLO LEMOS - **TU37, TU10**  
 IP28 - BRUNA MANUELLA SOUZA SILVA - **IP28**  
 IRANAIA ASSUNÇÃO MIRANDA - **CE87**

IRENE DA SILVA SOARES - **VC01**  
 IRINI SERETI - **CL18**  
 ISAAC LOREIRO CABRAL - **ID118**  
 ISAAC SUZART GOMES FILHO - **TR01**  
 ISABEL CRISTINA OLIVEIRA FERNANDES - **IP15, IP16**  
 ISABEL GARCIA DE SOUSA - **MI19**  
 ISABEL KINNEY FERREIRA DE MIRANDA SANTOS - **CL27, IP13, IP14, MI12**  
 ISABELA BATISTA GONÇALVES MOREIRA - **IP09**  
 ISABELA NATÁLIA PASCOAL CAMPOS DO VALE - **ID009, ID012**  
 ISABELLA BONILHA DE OLIVEIRA - **CE49**  
 ISABELLA CATTANI CAVALIERI - **IP06**  
 ISABELLA CRISTINA HIRAKO - **IN27**  
 ISABELLA DE CARVALHO LEITÃO - **ID054**  
 ISABELLA FORASTEIRO TAVARES - **IN43**  
 ISABELLA MACEDO - **IN29**  
 ISABELLA MARINS DACRI - **CL32**  
 ISABELLA NOGUEIRA DA SILVA ALVES - **IR14**  
 ISABELLA SANTOS DE PAULA - **CE28**  
 ISABELLE BARRETO DA SILVA MOREIRA REINO - **ID035**  
 ISABELLE MAZZA GUIMARÃES - **CL17**  
 ISACLAUDIA AZEVEDO QUINTANILHA - **CL19**  
 ISACLAUDIA G AZEVEDO QUINTANILHA - **CL35, IP21**  
 ISACLAUDIA GOMES AZEVEDO QUINTANILHA - **ID090, ID106, IP01**  
 ISACLAUDIA GOMES DE AZEVEDO QUINTANILHA - **IP24, IP26, IP18**  
 ISADORA DE A. OLIVEIRA - **CE03**  
 ISADORA M DE OLIVEIRA - **IN22**  
 ISADORA M. PAIVA - **IP28**  
 ISADORA MARQUES PAIVA - **IN21**  
 ISAU HENRIQUE NORONHA - **MI02**  
 ISIS M A DE MELLO - **CL28**  
 ISIS MAIA APOLINÁRIO DE MELLO - **IR16**  
 ISRAEL DINIZ LIMA - **ID019, ID078**



ISRAEL DINIZ-LIMA1 - **IR48**  
 ITACIARA AZEVEDO SEIXAS - **ID029**  
 ÍTALO SOUSA PEREIRA - **IR49, CE12, ID038, IR05, IR21**  
 ITAMARA RAQUEL DOS ANJOS - **CE84**  
 ITAUÁ LESTON ARAUJO - **CE82**  
 IVAN LEONARDO AVELINO FRANÇA E SILVA - **CL11**  
 IVERSON CONRADO BEZERRA - **IP15, IP16, MI15**  
 IVES CHARLIE SILVA - **IN01**  
 IZABELA GALVAO - **CE88**  
 IZABELA GALVÃO - **ID093, ID042**  
 IZADORA B FRIZZO - **CL28**

---

## J

---

JACQUELINE ALEJANDRA - **CL03, MI04**  
 JACY GAMEIRO - **TU01**  
 JACYELLE MEDEIROS SILVA - **MI23, MI11, MI19**  
 JADSON CARLOS SANTOS - **MI26**  
 JAIME RIBEIRO FILHO - **IP05**  
 JAIRO R TEMEROZO - **IP21**  
 JAIRO RAMOS TEMEROZO - **CL35, IP29**  
 JAMES VENTURINI - **ID094**  
 JAMIL ZOLA KITOKO - **TU51, IR12**  
 JAMILE SOUZA DO LAGO - **ID074**  
 JAMILE TANIELE SILVA - **IP03**  
 JAMILLE SOUZA FERNANDES - **MI29**  
 JAMILLY DIAS DELFINO - **CE62, CE90**  
 JANAINA PAUFERRO - **TR04**  
 JANAINA RIBEIRO BARBOSA PAU-FERRO - **CE10**  
 JANAÍNA RIBEIRO BARBOSA PAUFERRO - **CE59**  
 JANAINA RIBEIRO PEREIRA SOARES - **CE84**  
 JANEUSA TRINDADE DE SOUTO - **IP04**  
 JANISLEYA SILVA FERREIRA NEVES - **TR10, TR11**  
 JAQUELINE FELIPE - **ID117**

JAQUELINE VAZ DE OLIVEIRA - **TU49, VC16**  
 JAVIER PEREZ GARCIA - **MI29**  
 JAYME CASTILHOS FERREIRA NETO - **VC08**  
 JAYR SCHMIDT FILHO - **CL11**  
 JEAN DE LIMA - **TU47**  
 JEAN MARC CHATEL - **IR22**  
 JEAN P. S. PERON - **ID036**  
 JEAN PIERRE S PERON - **ID001**  
 JEAN PIERRE SCHATZMANN PERON - **CE66, IR47, IR25**  
 JEANE ELIETE LAGUILA VISENTAINER - **IN07, TR02, TR10**  
 JEFFERSON A C DOS SANTOS - **IN03**  
 JEFFERSON ANTONIO DE CASTRO DOS SANTOS - **IN40**  
 JEFFERSON ANTÔNIO DE CASTRO DOS SANTOS - **CE74**  
 JEFFERSON ANTONIO LEITE - **CE80, TU47**  
 JEFFERSON ANTÔNIO LEITE - **HI05, TU07**  
 JEFFERSON ELIAS OLIVEIRA - **CE12, ID038, IR21, IR49, IR05**  
 JEFFERSON LUIZ DA SILVA - **CE53**  
 JENIFER PEIXOTO DE BARROS - **VC11, VC12**  
 JENNIFER NAED MARTINS DE FREITAS - **ID011**  
 JEROEN DOUWES - **MI01**  
 JESSE PEREIRA MACHADO VIANA - **CE92, CE32**  
 JÉSSICA AMARAL LOPES - **CE55, CE65, CE54**  
 JÉSSICA APARECIDA BARSALINI PEREIRA - **ID104**  
 JÉSSICA ASSIS PEREIRA - **IR49, CE12, ID038, IR05, IR21**  
 JESSICA BRANDÃO DOS SANTOS - **IN43**  
 JÉSSICA COSTA NASCIMENTO - **CE22**  
 JÉSSICA DIAS PETRILLI - **MI28**  
 JESSICA DO PRADO VALERIANO - **IP07**  
 JÉSSICA LOBO DA SILVA - **ID091, ID008**  
 JÉSSICA REBOUÇAS SILVA - **ID091, IN02**  
 JÉSSICA RONDONI SILVA - **CE73, CE19, CE44**  
 JESUINO RAFAEL MACHADO FERREIRA - **CE01, CE03, CE17**



- JHENIFER NASCIMENTO DA SILVA - **MI13**
- JHENIFER SANTOS DOS REIS - **CE64**
- JHOSIENE Y MAGAWA - **ID109**
- JIANPING HE - **CE17**
- JILENO FERREIRA SANTOS - **IR41, IN39**
- JOANA HYGINO DA SILVA MACHADO - **CE11**
- JOANA IRISVÂNIA DO CARMO MARTINS - **TU11**
- JOANA MAIRA VALENTINI ZACARIAS - **TR02**
- JOANE SEVERO RIBEIRO - **CL01, CL04, CL13, CL14, CL23, TU28**
- JOÃO BOSCO PESQUERO - **MI10**
- JOÃO CARLOS - **TR04**
- JOÃO CARLOS DE OLIVEIRA BORGES - **CE10, CE59**
- JOÃO CARLOS FRAGA - **CL23**
- JOÃO CARLOS RAMALHO DE FREITAS - **CL30, IN16, IN17**
- JOÃO GABRIEL COSTA FANTICELLI - **ID014**
- JOÃO GUSTAVO MENDES RODRIGUES - **ID072**
- JOÃO HERMINIO MARTINS DA SILVA - **MI03**
- JOÃO LUCAS LIMA CALANDRINI DE AZEVEDO - **ID025**
- JOÃO LUIZ MENDES WANDERLEY - **ID092**
- JOÃO MAGALHÃES - **ID093, ID042**
- JOÃO MARCELO P ALVES - **HI03**
- JOÃO MARCOS MAIA SILVA - **ID025, ID068**
- JOÃO ORTIGÃO FARIAS - **TU41**
- JOÃO P B VIOLA - **CL19, MI16**
- JOÃO PAULO DE BIASO VIOLA - **CE70, CE71**
- JOÃO PAULO DOS SANTOS FERNANDES - **TU11**
- JOÃO PAULO LONGO - **TU30**
- JOÃO PEDRO DA SILVA NUNES - **VC17**
- JOÃO PESSOA ARAÚJO JUNIOR - **TU05**
- JOAO RAMALHO ORTIGAO FARIAS - **IR06**
- JOÃO RAMALHO ORTIGÃO FARIAS - **IN38**
- JOÃO RICARDO ALMEIDA SOARES - **CL17**
- JOÃO S SILVA - **CE30**
- JOAO SANTANA DA SILVA - **ID108, VC15**
- JOÃO SANTANA DA SILVA - **ID029, ID038, VC04**
- JOÃO SANTANA SILVA - **CE79, CE42**
- JOÃO SANTANA SILVA - **CE80**
- JOÃO T MARQUES - **ID042**
- JOAO VICTOR VIRGILIO DA SILVA - **CE57**
- JOÃO VICTOR VIRGILIO DA SILVA - **IN38, IN40, IR08, IN10, CE49, CE51**
- JOAQUINA BARROS - **IN34, ID045**
- JOEL LINDEN - **IR04**
- JOFER ANDREE ZAMAME - **CE61**
- JOFER ANDREE ZAMAME RAMIREZ - **CE77, CE83, IR42, TU05, CE33, CE46**
- JOILSON DE OLIVEIRA MARTINS - **IP25**
- JONAS A R PASCHOAL - **IR04**
- JONATAN C S DE CARVALHO - **MI18**
- JONATAN CONSTANÇA SILVA DE CARVALHO - **CL26, CL27, IP11**
- JÔNATAS BUSSADOR DO AMARAL - **VC09, HI02**
- JONATHAN LUÍS MAGALHÃES FONTES - **ID091**
- JONATHAN MIGUEL ZANATTA - **IR47, ID001, IR25**
- JONILSON BERLINK LIMA - **IN02, CE58, IN24**
- JORDANA BATISTA SANTANA - **ID077**
- JORDANA DINORÁ DE LIMA - **TR05, CL33, MI21**
- JORDANA RODRIGUES BARBOSA FRADICO - **VC03**
- JORDANE C PIMENTA - **ID042**
- JORDANE CLARISSE PIMENTA - **ID093, ID103, ID113**
- JORDY ALEXANDER BASSO LARCO - **IR45**
- JORDY ALEXANDER LARCO LASSO - **IR20**
- JORGE CASTRO - **CL03**
- JORGE GALINDO VILLEGAS - **IN01**
- JORGE KALIL - **VC14, VC15, CE25, ID015**
- JORGE REIS ALMEIDA - **CL34**
- JORLEY SANTOS DA SILVA - **MI01**
- JOSÉ ALEXANDRE MARZAGÃO BARBUTO - **TU37, TU49, VC16**
- JOSE ANDRES MORGADO DIAZ - **TU36**
- JOSÉ C ALVES FILHO - **IR04**



- JOSÉ CARLOS ALVES FILHO - **IP27, IR23, IR29, IN21, IN29**
- JOSÉ CARLOS FARIAS ALVES FILHO - **IN37, CE19, CE35, ID053**
- JOSÉ CESAR ROSA NETO - **IR36, IR18**
- JOSE E U ROJAS - **IP23**
- JOSÉ HENRIQUE PILOTTO - **MI06, ID051**
- JOSÉ JOAQUIM RIBEIRO DA ROCHA - **CL27, CE53**
- JOSÉ LEONEL LEMOS BUZZO - **TU06**
- JOSÉ LUÍS FACHI - **CE74, CE49**
- JOSE LUIS MARIN FRANCO - **IN34**
- JOSE LUIS MARÍN FRANCO - **ID045**
- JOSÉ LUIZ MODENA - **ID082**
- JOSÉ LUIZ PROENÇA MÓDENA - **ID119, ID024, CE49**
- JOSE MARIA ALVAREZ - **ID040**
- JOSÉ NAZIOBERTO DUDA DE FARIAS - **CE18, IR12**
- JOSE OSVALDO PREVIATO - **CE64**
- JOSÉ PROCÓPIO MORENO SENNA - **ID006**
- JOSEANA DE OLIVEIRA - **ID100, ID102, ID046**
- JOSELI LANNES VIEIRA - **ID071**
- JOSIANE BETIM DE ASSIS - **IP25, CE05**
- JOSIANE TEIXEIRA DE ANDRADE CHAVES - **ID113, CE89**
- JOSUÉ DA COSTA LIMA JÚNIOR - **VC12, VC11**
- JOYCE CRISTINA GUIMARÃES DE OLIVEIRA - **ID019, ID078, IR48**
- JOYCE MACHADO SILVA - **TR09**
- JUAN FILLIPE DA SILVA MONTEIRO - **CE48**
- JUAN SEBASTIAN HENAO AGUDELO - **CL36**
- JUCIANO GASPAROTTO - **CE76**
- JULIA BENINNI LÓ - **CL24, CT02**
- JULIA CASTRO - **VC15, VC02**
- JÚLIA CERUTTI CALHEIROS DE FREITAS - **EI05, EI03, EI04, EI06**
- JULIA CLARKE - **ID064**
- JÚLIA CRISPIM DA FONTOURA - **ID003, ID082**
- JULIA DA CUNHA SANTOS - **ID106, IP24, IP26, IP01, IP09, IP18**
- JULIA DE ANDRADE BRANDÃO - **ID016, IP03**
- JÚLIA DE SOUZA REIS - **ID097, HI07**
- JÚLIA MADEIRA LARA - **CL05**
- JÚLIA MARTINS LOTHER - **IR19**
- JÚLIA NAKANISHI USUDA - **ID110**
- JULIA OLIVEIRA DE LIMA - **ID013**
- JULIA OLIVEIRA SOARES - **ID011**
- JULIA PERIN MANCHINE - **TU52**
- JÚLIA T CASTRO - **CE30**
- JÚLIA TEIXEIRA CASTRO - **CE42**
- JULIA TOLEDO MENDES - **ID090**
- JULIANA ABREU - **ID039**
- JULIANA ALINE DE SOUZA LEMOS - **VC11**
- JULIANA APARECIDA PINTO DE RESENDE - **CE48**
- JULIANA CAMACHO PEREIRA - **ID064**
- JULIANA DA COSTA SILVA - **IP28**
- JULIANA DE ASSIS SILVA GOMES - **CE07**
- JULIANA DE ASSIS SILVA GOMES ESTANISLAU - **ID088**
- JULIANA DE LIMA - **IR22**
- JULIANA DE SOUZA APOSTÓLICO - **VC14, ID015, VC17**
- JULIANA E L PINTO - **IN03**
- JULIANA E TOLLER KAWAHISA - **IR04**
- JULIANA ECHEVARRIA LIMA - **CL30, IN36, ID039, ID054, ID058, IP17**
- JULIANA ECHEVARRIA N LIMA - **HI01**
- JULIANA ECHEVARRIA NEVES DE LIMA - **HI08, ID076**
- JULIANA ECHEVARRIA-LIMA - **IN35**
- JULIANA EDELVACY LIMA PINTO - **IR35, CE45**
- JULIANA ESTANISLAU - **ID121**
- JULIANA GORGEN POPPE - **ID004, CL15**
- JULIANA JURUMENHA BARRETO - **IN15**
- JULIANA MOREIRA MENDONÇA GOMES - **HI05, TU07, TU09, IN18**



JULIANA P B DE MENEZES - **IN24**  
 JULIANA P ZULIANI - **VC05, CE54**  
 JULIANA PADRO GONÇALES - **ID107**  
 JULIANA PAVAN ZULIANI - **CE65, CE91, CE55**  
 JULIANA PRADO GONÇALES - **ID044, ID071**  
 JULIANA SILVEIRA PRODONOFF - **CE68**  
 JULIANA T MARICATO - **IR50**  
 JULIANA TERZI MARICATO - **ID005**  
 JULIANA VALÉRIA DE SOUZA FRAMIL - **CL11**  
 JULIANE CRISTINA RIBEIRO FERNANDES - **IR47, ID001**  
 JULIANNA DIAS ZEIDLER - **CE87, ID064, IN30**  
 JULIANNE CARAVITA GRISOLIA - **ID056**  
 JULIETE NATHALI SCHOLL - **CE76, TU50**  
 JÚLIO CÉSAR COSTA DA SILVA - **CE43**  
 JÚLIO HENRIQUE ROSA CRODA - **ID094**  
 JÚNEA REGINA PIRES DREWS - **CL10**  
 JUSSARA K PALMEIRO - **CL28**

## K

KAIO JEFTÉ SANTOS DE OLIVEIRA DIAS - **IP05**  
 KAIQUE GOMES HERGESEL - **TU19**  
 KAÍQUE GOMES HERGESEL - **TU22**  
 KALIL ALVES DE LIMA - **CE80**  
 KAMILA GUIMARÃES PINTO - **CE01, CE03, CE17**  
 KAMILA KÁSSIA DOS SANTOS OLIVEIRA - **ID034, ID035, ID062, ID071**  
 KAMILLA DA COSTA PANTOJA - **IP25**  
 KAREN CRISTINA OLIVEIRA - **TU13**  
 KAREN LETYCIA RODRIGUES DE PAIVA - **ID084**  
 KAREN MARQUES DE OLIVEIRA COSTA - **CE62**  
 KAREN MARQUES OLIVEIRA - **CE90**  
 KAREN SÁNCHEZ LUQUEZ - **ID049**  
 KAREN TIEMI AKASHI - **CE22**  
 KARINA ALVES TOLEDO - **IN09, IN23**

KARINA HADJU - **TU26**  
 KARINA HAJDU - **CE36**  
 KARINA JOB DI LACCIO - **CL04**  
 KARINA L SILVA - **CL19**  
 KARINA LIDIANNE ALCÂNTARA SARAIVA - **ID034**  
 KARINA LIMA - **ID082, ID003**  
 KARINA LOBO HAJDU - **TU20, TU25**  
 KARINA RAMALHO BORTOLUCI - **ID080, MI10**  
 KARINA RAMALHO BOTOLUCI - **MI02**  
 KARINE LIMA LOURENÇO - **ID097, CL09, HI07**  
 KARINE VENEGAS MACIEIRA - **MI06, ID051**  
 KARL WILLERT - **TU36**  
 KASSIANA MAFRA BICALHO - **CE62, CE90**  
 KÁTHIA DUARTE GALVÃO - **ID016, IP03**  
 KATHLEEN C BARNES - **MI29**  
 KATIA LUCIANO PEREIRA MORAIS - **CL11**  
 KATIA PAULA FILIPIN - **CE55**  
 KATIA SANCHES FRANÇOZO - **VC01**  
 KATIUCHIA U SALES - **TU24**  
 KATIUCHIA UZZUN SALES - **TU12**  
 KAUE DE MORAIS CARDOSO - **TR02**  
 KAUÊ DE MORAIS CARDOSO - **CL25**  
 KEITY S SANTOS - **ID109, ID055**  
 KELLY GRACE MAGALHAES - **TU44**  
 KELLY GRACE MAGALHÃES - **ID084, ID085, TU52, TU53, TU02, TU16, TU20**  
 KELY MATEUCCI - **CE24, ID070**  
 KENNETH J GOLLOB - **ID101, ID121**  
 KENNETH JOHN GOLLOB - **ID088, CL11, TU04**  
 KESIA GEMIMA PALMA RIGO WUTZOW - **IN07, IN11**  
 KEYLA SANTOS GUEDES DE SÁ - **IN05, ID041, IN19, IN22**  
 KIM MATTOS GERALDO - **MI06, ID051**  
 KIYOSHI FERREIRA FUKUTANI - **IR41**  
 KLEYTON PALMEIRA DO Ó - **ID035**  
 KRIST HELEN ANTUNES - **ID004, CL15, ID061**  
 KUNIO KAWANISHI - **TU36**

---

**L**

---

- LAIANE CRISTINA DOS SANTOS - **CE10**
- LAIANNE DIAS INÁCIO - **ID006**
- LAIS CAVALIERI PAREDES - **IN13, TR05, TU07, TU09, IN18**
- LAÍS DE SOUZA CUSTÓDIO - **EI01, EI02**
- LAÍS DURÇO COIMBRA - **ID082, ID117**
- LAÍS PASSARIELLO PRAL - **CE67, CE68, CE74, CE16, CE19**
- LAÍS XAVIER DOS SANTOS - **CT02, CL24**
- LAISA YASMIN DE SOUZA - **IP08**
- LANA BITTENCOURT CHAVES - **VC11**
- LANA MÁRCIA FERREIRA LOPES - **CE72, CE11, CE47**
- LARISSA DIAS DA CUNHA - **CL29, IN47**
- LARISSA FONSECA MARQUES - **TU27**
- LARISSA LEIKO YAMADA - **IN11**
- LARISSA MENEZES DOS REIS - **IR35, IN38, IN40, IR08, IN10, CE49, CE51, CE57**
- LARISSA OLIVEIRA DE ASSIS - **ID067**
- LARISSA PICANÇO DAMIAN RESENDE DE SOUZA - **CE11**
- LARISSA R. B. MATOS - **ID109**
- LARISSA RAGOZO CARDOSO DE OLIVEIRA - **ID024**
- LARISSA SOLANO DE ALMEIDA - **TU19**
- LARISSA DE SOUZA BARBOSA LACERDA - **ID093**
- LARISSA S B LACERDA - **ID042**
- LAUANA APARECIDA SANTOS - **ID032, ID056**
- LAUAR DE BRITO MONTEIRO - **CE56**
- LAURA C. DE FARIAS - **ID036**
- LAURA CAROLINE DE FARIA - **IR47, IR25**
- LAURA COX - **TU02**
- LAURA CRISTINA LIMA DINIZ - **VC01**
- LAURA FERNANDES GONÇALVES - **IN46**
- LAURA HELENA CHEREN NETTO NICOLAZZI - **IN13**
- LAURA LIS DE OLIVEIRA SANTOS - **ID099, ID111, ID120, ID022, ID023, IR10, IR26**
- LAURA MACHADO MENEGATI - **IR38**
- LAURA Z RENAULT - **CL30**
- LAURA ZALCBERG RENAULT - **IN35, ID054, ID058**
- LAUREANE MASI - **TR04**
- LAUREANE NUNES MASI - **IR09, CE10, CE59**
- LEANDRO ALVES DOS SANTOS - **ID037**
- LEANDRO DE SOUSA NASCIMENTO - **ID043**
- LEANDRO MARTIN PAULINO - **ID094**
- LEANDRO OLIVEIRA SANTOS - **TU41**
- LEANDRO PIRES ARAUJO - **CE21**
- LEANDRO SOARES MOREIRA DIL - **VC05**
- LEANDRO SOUZA NASCIMENTO - **IR30**
- LEDA DOS REIS CASTILHO - **HI01**
- LEDA JAMAL - **ID025**
- LEDA QUERCIA VIANA - **ID033**
- LEDA QUERCIA VIEIRA - **ID083, IR34**
- LEILA DE MENDONÇA LIMA - **ID051**
- LEILIANE COELHO - **ID042**
- LENA F SCHIMKE - **ID110**
- LEONARDO ANTÔNIO BENEDITO MAINENTE - **IR19**
- LEONARDO ASSIS DA SILVA - **ID084**
- LEONARDO BRANDÃO DE MATOS - **ID119**
- LEONARDO CARVALHO PALMA - **TU35**
- LEONARDO CHICAYBAM - **CE36**
- LEONARDO DA SILVA PINTO - **IN09, IN23**
- LEONARDO DUARTE SANTOS - **ID004, CL15**
- LEONARDO FREIRE DE LIMA - **CE64, ID019, ID078**
- LEONARDO GOMES VAZ - **ID083, IR34, ID033, TR06**
- LEONARDO HOLANDA TRAVASSOS CORREA - **HI01**

- LEONARDO J G BARCELLOS - **IN01**
- LEONARDO MANDU - **ID031**
- LEONARDO MANDU GONÇALVES - **CE61, CE77, IR42, CE33, CE46**
- LEONARDO MARQUES DA FONSECA - **CE64**
- LEONARDO MATIA MAGALHÃES - **CL24**
- LEONARDO MATIAS MAGALHÃES - **CT02**
- LEONARDO MIZIARA BARBOZA FERREIRA - **VC16**
- LEONARDO PAIVA FARIAS - **ID091, ID008, CE58**
- LEONARDO RIBEIRO - **CE36**
- LEONARDO RIBEIRO BATISTA SILVA - **TU25, TU26**
- LEONILDA M B SANTOS - **TU22**
- LEONILDA MARIA BARBOSA DOS SANTOS - **TU19**
- LETÍCIA ALMEIDA - **IN05**
- LETÍCIA ANDERSON - **ID016, IP03**
- LETÍCIA BARRETO COURA - **ID067**
- LETÍCIA BORGES DA SILVA HEINEN - **TU15, TU39, TU06, CE34**
- LETÍCIA CARRIJO MASSON - **ID068**
- LETICIA CRISTINA DE ALMEIDA SILVA - **TR02, TR10, TR11**
- LETÍCIA DA SILVA ALVES - **ID054, IN16**
- LETÍCIA DE ALMEIDA - **ID041**
- LETÍCIA DE AQUINO PENTEADO - **CE20, CE28, TU13, TU17**
- LETICIA DE FREITAS CONSTANT - **CL27**
- LETÍCIA DE SOUZA FIGUEIREDO - **IN38, CE39**
- LETÍCIA GABRIELA CARVALHO SILVA - **CE39**
- LETÍCIA GAMA E SILVA CALIXTO - **ID031**
- LETICIA GOMES DE PONTES - **IN01**
- LETÍCIA KOGACHI - **CE69**
- LETÍCIA LOPES - **IN05**
- LETÍCIA MARTIMIANO FERREIRA - **IR12, CE18**
- LETÍCIA MARTINS CORDEIRO - **CT01**
- LETICIA ROCHA QUINTINO SOUZA - **ID084**
- LETICIA RODRIGUES - **CE17**
- LETÍCIA RODRIGUES RAMOS - **CE01, CE03**
- LETICIA S ALVES - **CL30**
- LETÍCIA SANT'ANA FERNANDES - **TU45**
- LETÍCIA TORRES DIAS - **VC09**
- LETÍCIA V COSTA LOTUFO - **IN01**
- LEYLLANE RAFAEL MOREIRA - **ID034, ID035, ID062, ID071**
- LIA VEZENFARD - **CE53**
- LÍBIA CRISTINA ROCHA VILELA MOURA - **ID107**
- LICIA TORRES - **CE83, ID083, CL20**
- LÍCIA TORRES - **CE31, IR22**
- LIDIA FAUSTINO - **VC15**
- LIDIA M ANDRADE - **IP23, CE25**
- LÍDIA PAULA FAUSTINO - **VC02**
- LIDYA CARDOZO DA SILVA - **ID068**
- LILIAN DE OLIVEIRA MOREIRA - **ID014**
- LILIAN G. DE OLIVEIRA - **ID036**
- LILIAN GOMES DE OLIVEIRA - **IR47, IR25**
- LILIAN JÉSSICA PASSOS DE LIMA - **ID057**
- LILIAN ROSE PRATT RICCIO - **VC11, VC12**
- LILIAN ROSE PRATT-RICCIO - **IN33**
- LILIAN SANTOS DA SILVA ALVES - **CL34**
- LILIANE PATRÍCIA GONÇALVES TENÓRIO - **CE82**
- LINCON F L SILVA - **IN03**
- LINCON FELIPE LIMA SILVA - **IR35, IN40**
- LINDA EVA AMOAH - **VC12**
- LIS ANTONELLI - **VC15**
- LIS RIBEIRO DO VALE ANTONELLI - **ID012**
- LIS RIBEIRO DO VALLE ANTONELLI - **ID114, ID002, ID009, VC07, VC10**
- LIVIA B ESLABAO - **CL28**
- LÍVIA BITTENCOURT DOS REIS - **IP12**
- LÍVIA BUDZIAREK ESLABÃO - **IR16**
- LÍVIA FERNANDA - **ID111**
- LÍVIA FERNANDA DIAS SANTANA - **ID099, ID120, ID023, IR10**
- LIVIA ISABELA DE OLIVEIRA - **VC02**
- LIVIA ISABELA OLIVEIRA - **CL08**

- LÍVIA MENDES CARVALHO - **ID029**
- LÍVIA MENDONÇA - **ID087**
- LIVIA OLIVEIRA - **VC15**
- LIVIA PADOVAM LONI - **CL25, TR02**
- LÍVIA RIBEIRO MENDONÇA - **IN08**
- LIVIA SOARES ZARAMELA - **HI06**
- LIVIA TEIXEIRA - **IN25**
- LÍVIA TEIXEIRA - **CL35, IP21, IP22**
- LOHANNA PALHINHA - **ID090**
- LORENA CIALLELLA - **ID045**
- LORENA DE OLIVEIRA FERNANDES SIQUEIRA - **VC13, IN30**
- LORENA DORETTO-SILVA - **TR12**
- LORENA LOBO DE FIGUEIREDO-PONTES - **TU35**
- LORENA MATTA CORTES - **CL36**
- LORRAINY ANASTÁCIO BARTASSON - **ID084**
- LORRANNY SANTANA RODRIGUES - **IR41, IN39**
- LORRAYNNE LETYCIA PRADO DA CRUZ - **IR45, IR20**
- LOUISE CORREIA DE LIMA - **TR03**
- LOURDES ISAAC - **TU06**
- LUAN FÁVERO MONTES - **TU07, IN18, TU09**
- LUANA ALEXANDRINA AMARAL - **ID041, IN22**
- LUANA BORGES BAPTISTA - **TU53, TU16**
- LUANA CERQUEIRA ESTEVES - **IN12, IR27**
- LUANA EVANGELISTA DE ARAÚJO - **MI28**
- LUANA NETO DE LIMA - **EI01, EI02**
- LUANA SANTOS DE OLIVEIRA - **IN33, VC12**
- LUARA ISABELA DOS SANTOS - **ID114**
- LUCAS ALVES DE SOUSA GOMEZ - **IP04**
- LUCAS BELTRAME - **IR16**
- LUCAS BONATTO DE SOUZA LIMA - **ID118, IN15**
- LUCAS CAUE JACINTHO - **ID015**
- LUCAS CAXANGÁ - **ID087, IN46**
- LUCAS CHAGAS DO NASCIMENTO - **ID014, ID039**
- LUCAS DE FIGUEIREDO SOVERAL - **IR16**
- LUCAS F SOVERAL - **CL28**
- LUCAS FERREIRA CAXANGÁ RODRIGUES - **IN08**
- LUCAS FREIRE ANTUNES - **ID105, ID026, IN28**
- LUCAS HANIEL - **CL20**
- LUCAS HANIEL ARAÚJO VENTURA - **ID067**
- LUCAS HANIEL DE ARAÚJO VENTURA - **CE83, CL05, ID043**
- LUCAS HANIEL VENTURA - **IR30**
- LUCAS KICH GRUN - **CE76, TU50**
- LUCAS KRAMER ROCHA - **ID023, IR10**
- LUCAS MATTOS MILIONI - **CE47**
- LUCAS P CARVALHO - **ID029**
- LUCAS PEDREIRA DE CARVALHO - **ID096, ID073, ID074**
- LUCAS SILVA RODRIGUES - **MI07, MI11**
- LUCAS SOUZA DA SILVA - **ID014, ID039**
- LUCAS TAVARES - **CE80**
- LUCAS TAVARES DE QUEIROZ - **VC12**
- LUCAS TOSTES - **HI08**
- LUCAS TOSTES COSTA VAZ - **CE09, HI01, ID076**
- LUCAS ZANON MASCARIN - **ID052**
- LUCIA H FACCIOLI - **MI18**
- LÚCIA HELENA FACCIOLI - **CL26, CL27, IP11**
- LUCIA HELENA FACIOLLI - **TU35**
- LUCIA MENDONÇA PREVIATO - **CE64**
- LÚCIA RENATA MEIRELES DE SOUZA - **EI03, EI04, EI05, EI06, EI07**
- LUCIANA BALBOA - **IN34, ID045**
- LUCIANA BARROS - **CE36**
- LUCIANA BENEVIDES - **CE79, ID108, VC15, ID029, VC04, CE30, CE42**
- LUCIANA CONDE - **HI06, HI08**
- LUCIANA CONDE RODRIGUES MAIA - **CE81, CE09, HI01, ID076**
- LUCIANA COSTA - **HI08**
- LUCIANA NORIEGA - **IR20**
- LUCIANA POLACO COVRE - **ID086, ID115, ID017, ID059**
- LUCIANA RODRIGUES CARVALHO BARROS - **TU33**





LUCIANA S. WERMELINGER - **VC13**  
 LUCIANA SANTOS CARDOSO - **MI29, ID077**  
 LUCIANA SCARBI ROSSINO - **TU19**  
 LUCIANA SOUZA MOREIRA - **IN25**  
 LUCIANE ALARCÃO DIAS MELICIO - **ID024, ID037**  
 LUCIANE BEATRIZ KERN - **ID003**  
 LUCIANE DE FREITAS FIRMINO - **ID034**  
 LUCIANI R CARVALHO - **IN01**  
 LUCIANO GOMES DA SILVA GOMES - **MI09**  
 LUCIELE GUERRA MINUZZI - **IR36**  
 LÚCIO IRACI - **CL07**  
 LUCY PEMBREY - **MI01**  
 LUDMILLA DA SILVA PEREIRA - **CE20, CE28, TU13, TU17**  
 LUIS ADAN FLORES - **CL09**  
 LUIS BATISTA TAN - **TU51, IN17**  
 LUIS EDUARDO A DAMASCENO - **IR29**  
 LUIS EDUARDO ALVES DAMASCENO - **CE35, ID053**  
 LUÍS EDUARDO DUARTE GONÇALVES - **CE93, HI05**  
 LUÍS EDUARDO GONÇALVES - **TU07**  
 LUIS FERNANDO DE MACEDO BRIGIDO - **CE75**  
 LUÍS GUSTAVO ROMANI FERNANDES - **IP10, IR19**  
 LUIS HENRIQUE FRANCO - **CE89**  
 LUÍS HENRIQUE FRANCO - **ID103, ID113**  
 LUIS JAVIER - **CL03**  
 LUÍSA COUTINHO COELHO - **CE92, IR43, IN44, TU30**  
 LUÍSA DAN FAVILLA - **IR43, IN44, TU30**  
 LUISA LEMOS - **IR22**  
 LUISA MARQUES - **CE36**  
 LUÍSA MENEZES SILVA - **TU07, CE77, CE80, CE93, TU47, HI05, IR04, CE46, TU34**  
 LUIZ ADRIANO DAMASCENO DE QUEIROZ - **IP25**  
 LUIZ CARLOS RODRIGUES JR - **VC08, CE63, IN32, CL01, IP02, IN26**

LUIZ CARLOS SOUZA - **ID025**  
 LUIZ EDUARDO SILVA MARTINS - **TU42, TU43, TU46, TU54, TU03, TU31**  
 LUIZ GUSTAVO GARDINASSI - **ID116, IN45, ID025, ID068, TU35**  
 LUIZ JULIANO - **ID101**  
 LUIZ MARIO RAMOS JANINI - **ID005**  
 LUIZ OSÓRIO SILVEIRA LEIRIA - **IR23**  
 LUIZ PEDRO DE SOUZA COSTA - **ID103, ID113**  
 LUIZ PEDRO SOUZA COSTA - **CE89**  
 LUIZ RODRIGUES JÚNIOR - **ID082**  
 LUIZ SILVA DE SOUZA - **MI19**  
 LUIZA ABDO - **CE36, TU26**  
 LUIZA DE MACEDO ABDO - **CE02**  
 LUNA BARROCO DE LACERDA - **ID028, VC06**  
 LUYDSON RICHARDSON SILVA VASCONCELOS - **ID035**  
 LYCIA BRITO GITIRANA - **IP06**

---

## M

---

MAELI ANDRESSA LIRIO SANTOS - **CL13, CL14**  
 MAIRA DA COSTA CACEMIRO - **TU35**  
 MAÍSA MOTA ANTUNES - **CE90, CE62, IN06, IN27**  
 MALCOLM DUTHIE - **ID089**  
 MALENA MARTINEZ PÉREZ - **CL27**  
 MANOEL BARRAL NETTO - **CL22**  
 MANOEL OTÁVIO DA COSTA ROCHA - **ID012**  
 MANOELA GONZAGA GONTIJO DO COUTO - **ID103**  
 MANUELLA LANZETTI - **IP06**  
 MARCEL KOENIGKAM SANTOS - **IN22**  
 MARCELA CIPELLI - **CE80**  
 MARCELA CRISTINA DE SOUZA SILVA - **VC05**  
 MARCELA HELENA GONÇALVES PEREIRA OLIVEIRA - **TR06**  
 MARCELA LOPES - **CE17**



- MARCELA RODRIGUES DE CAMARGO - **TU32**
- MARCELA SABINO CUNHA - **HI08**
- MARCELL ALYSSON BATISTI LOZOVVOY - **CL25, CL21**
- MARCELLA CIPELLI - **CE93, TU47, HI05, TU34**
- MARCELLA ELESBÃO FOGAÇA - **CE76**
- MARCELLA FERREIRA RODRIGUES - **ID068**
- MARCELLE GOLDNER CESCA - **CL11**
- MARCELO A MORI - **CE49**
- MARCELO A SOARES - **CL19, ID049**
- MARCELO ALVES DA SILVA MORI - **CE78, IN38, TU41, TU44, IN10, CE40, CE57**
- MARCELO ALVES DA SILVA. MORI - **CE39**
- MARCELO COMERLATO SCOTTA - **ID082**
- MARCELO D BARUFFI - **MI18**
- MARCELO DE MACEDO BRÍGIDO - **MI20, MI23, MI19**
- MARCELO DIAS BARUFFI - **CL27, CE53**
- MARCELO DUZZIONI - **ID016**
- MARCELO MACEDO BRIGIDO - **MI07, MI11**
- MARCELO MAGRI - **ID025**
- MARCELO PIRES AMARAL - **MI02, ID080, MI10**
- MARCELO RODRIGUES BERÇOT - **IN38, IR08, IN10, CE49, CE51, CE57**
- MARCELO ROSANDISKI LYRA - **ID018**
- MARCELO T BOZZA - **CL30, ID058**
- MARCELO TORRES BOZZA - **IN35, IN36, TU51, CE18, CL02, IR12, HI08, ID054, ID076, IN16, IN17**
- MÁRCIA CRISTINA GONÇALVES MACIEL - **CE92, CE32**
- MÁRCIA MARIA JARDIM RODRIGUES - **ID065, ID066**
- MÁRCIA OTTO BARRIENTOS - **TR01**
- MÁRCIA POLESE BONATTO - **ID003**
- MARCIA RENATA MORTARI - **CE92**
- MARCILIO FUMAGALLI - **VC15**
- MÁRCIO ANDRADE BARRETO FILHO - **CL22**
- MÁRCIO MASSAO YAMAMOTO - **VC17**
- MÁRCIO SOBREIRA SILVA ARAÚJO - **ID060**
- MARCO A A BELO - **IN01**
- MARCO ANTONIO ATAIDE SILVA - **CE86, IN19**
- MARCO ANTÔNIO MACHADO - **MI17**
- MARCO ANTÔNIO PRETTI - **TU41**
- MARCO ANTONIO ROCHA-LOURES - **TR10, TR11**
- MARCO ANTONIO SALES DANTAS DE LIMA - **ID039**
- MARCO ANTÔNIO STEPHANO - **VC14**
- MARCO AURELIO RAMIREZ VINOLO - **IR11**
- MARCO AURÉLIO RAMIREZ VINOLO - **CE67, CE68, CE74, CE16, CE26, CE27, IR15, CE49**
- MARCO AURÉLIO VINOLO - **CE19, CL15**
- MARCO TÚLIO R GOMES - **IN29**
- MARCONI AUGUSTO - **VC15**
- MARCONI AUGUSTO AGUIAR DOS REIS - **VC02**
- MARCOS ALEXANDRE NUNES DA SILVA - **IP21**
- MARCOS AURELIO RAMIREZ VINOLO - **CE29**
- MARCOS BARROS LUIZ - **VC05**
- MARCOS C BORGES - **IR04**
- MARCOS FELIPE ANDRADE DE OLIVEIRA - **IR33, IR44**
- MARCOS GUSTAVO ARAÚJO SCHWARZ - **ID051**
- MARCOS HENRIQUE ROSA - **CE35, IR29**
- MARCOS OCTÁVIO SALVATERRA CAFASSO - **CE85**
- MARCOS OCTAVIO SALVATERRA DUTRA CAFASSO - **CE72**
- MARCOS OCTÁVIO SALVATERRA DUTRA CAFASSO - **CE11**
- MARCOS ROBERTO M FONTES - **VC05**
- MARCOS V RANGEL FERREIRA - **ID105, ID026**
- MARCOS VINÍCIUS G B DA SILVA - **MI17**
- MARCOS VINICIUS RANGEL FERREIRA - **IN28**
- MARCUS HERBERT JONES - **CE76**
- MARECELA HELENA GONÇALVES PEREIRA DE OLIVEIRA - **TR07**
- MARGARETH DE LARA CAPURRO - **CE05**
- MARIA ALICE FREITAS LOPES - **CE90**

- MARIA ANETE LALLO - **TU56, ID020**
- MARIA ANITA MENDES - **ID005**
- MARIA ANTONIA CABRAL MONTEIRO - **IP02**
- MARIA APARECIDA JULIANO - **ID101**
- MARIA B R DE SANTANA - **MI29**
- MARIA BELLIO - **IR14**
- MARIA BORGES RABÊLO DE SANTANA - **MI09, TR03**
- MARIA CAROLINA BEZERRA DI MEDEIROS LEAL - **IN44**
- MARIA CAROLINA DA ROSA BOEIRA - **CL31, CL07**
- MARIA CLARA DA CRUZ SILVA - **CL33**
- MARIA CLARA DA SILVA BASTOS - **ID099, ID023, IR10**
- MARIA CLARA DOS SANTOS BARROS MARTINS - **ID087**
- MARIA CLARA MACHADO RESENDE GUEDES - **IN12, IP12, IR27**
- MARIA CLARA MARTINS - **CE69, IN08**
- MARIA CLARA SALGADO CAMPOS - **IP17**
- MARIA CLARA VASCONCELOS BERTO - **CE40**
- MARIA CLÁUDIA DA SILVA - **ID108**
- MARIA DA GLORIA AURELIANO MELO CAVALCANTI - **ID071**
- MARIA DA GLÓRIA AURLIANO MELO CAVALCANTE - **ID062**
- MARIA DA PIEDADE COSTA REIS DE ALBUQUERQUE - **ID062**
- MARIA DAS GRAÇAS MULLER DE OLIVEIRA HENRIQUES - **IP07**
- MARIA DE FATIMA DIAS COSTA - **IP19**
- MARIA DE LOURDES PALHARES ARAÚJO - **ID081**
- MARIA DEL CARMEN SASIAIN - **IN34, ID045**
- MARIA DO CARMO PEREIRA NUNES - **ID088, ID101, ID121**
- MARIA EDUARDA PERRUD - **IN41**
- MARIA EDUARDA PERRUD SOUSA - **TU11**
- MARIA EDUARDO PASSOS DA SILVA - **CL05**
- MARIA ELISABETH PEREIRA PASSOS - **CE10**
- MARIA ELIZABETH - **TR04**
- MARIA ELIZABETH PEREIRA PASSOS - **IR09, CE59**
- MARIA FERNANDA DE SOUZA COSTA - **EI01, EI02, IP07**
- MARIA FERNANDA DE SOUZA COSTA SILVA - **ID075**
- MARIA FERNANDA FORNI - **CE93**
- MARIA G BERZOTI COELHO - **TU35**
- MARIA GABRIELA LIMA DA SILVA - **IN07**
- MARIA GABRIELLA NUNES DE MELO - **ID035**
- MARIA GIULIA BACALINI - **IR30**
- MARIA INÊS FERNANDES PIMENTEL - **ID018**
- MARIA JANAINA LEITE - **TR04**
- MARIA JANAINA LEITE DE ARAÚJO - **IR09, CE59**
- MARIA JOÃO MATOS - **IR10**
- MARIA LUIZA PEDROSA - **CE90**
- MARIA LUIZA VILELA OLIVA - **IP16**
- MARIA MARLENE S PIRES - **CL28**
- MARIA MARTA FIGUEIREDO - **IN27**
- MARIA PAULA DE OLIVEIRA - **TU37**
- MARIA PAULA OLIVEIRA LIMA - **TU10**
- MARIA PIA DINIZ RIBEIRO - **MI06, ID051**
- MARIA PINO YANES - **MI29**
- MARIA REGINA CALSOLARI - **CE07**
- MARIA REGINA D'IMPÉRIO LIMA - **ID010, ID040**
- MARIA RITA PASSOS BUENO - **ID109**
- MARIA ROSANGELA CUNHA DUARTE COÊLHO - **ID044**
- MARIA TERESA PEDROSA SILVA CLERICI - **CE16**
- MARIANA ABRANTES DO AMARAL - **TU07, TU09, IN18**
- MARIANA AGANETTI - **ID042**
- MARIANA AGANETTI SILVA - **ID093**
- MARIANA ALMEIDA DE OLIVEIRA - **CL20**
- MARIANA ARAUJO PEREIRA - **CL18**
- MARIANA BOLOTARI - **IN12, IP12, IR27**
- MARIANA BORONI - **CE78, CE40, MI16, TU41**
- MARIANA CAMPOS - **ID090**



- MARIANA CARMEZIN BELDI - **IR51**
- MARIANA COSTA MARQUES - **ID094**
- MARIANA DE ALMEIDA OLIVEIRA - **CE83, CE31, IR22**
- MARIANA LEITE COSTA - **TU42, TU43, TU46**
- MARIANA LIMA BORONI MARTINS - **IN38**
- MARIANA MACEDO CAMPOS - **IP24, IP18**
- MARIANA MACEDO DE CAMPOS - **IP01**
- MARIANA MARTINS DE ATHAIDE - **ID065, ID066**
- MARIANA MAZZI - **TU26**
- MARIANA NAVES SILVA DE OLIVEIRA - **CL10**
- MARIANA NOBRE FARIAS DE FRANCA - **IR41, IN39**
- MARIANA OLIVEIRA LOPES DA SILVA - **CE87**
- MARIANA PAULA SANCHEZ ZANOTTI - **CL21**
- MARIANA PEREIRA PINHO - **TU49**
- MARIANA PORTOVEDO MARTINI - **CE27**
- MARIANA SALDANHA VIEGAS DUARTE - **TU20**
- MARIANA SOUSA VIEIRA - **TU23**
- MARIANA SOUZA VIEIRA SALDANHA - **TR06**
- MARIANA TOMINAGA PEREIRA - **TU07, TU09, IN18**
- MARIANA TRINIDAD RIBEIRO DA COSTA GARCIA CRODA - **ID094**
- MARIANA VIEGAS - **CE36**
- MARIANA VIEIRA AGOSTINHO PEREIRA - **TU08**
- MARIANE FONT FERNANDES - **CE74, CE16, CE26, CE27, CE29**
- MARIANE SCHÄFFER CASTRO - **CL15**
- MARIANE TAMI AMANO - **TU39, TU48, TU06, TU15, CE34**
- MARIANO MAIO - **IN34, ID045**
- MARICK STARICK - **ID052**
- MARIELA CABRAL PICCIN - **VC04**
- MARIELA ESTEFANY GISLENE VERA ROA - **IN42**
- MARIELA PICCIN - **VC15**
- MARIELA PIRES CABRAL PICCIN - **CE42**
- MARILDA DE SOUZA GONÇALVES - **IP05**
- MARILDA MENDONÇA SIQUEIRA - **IP21**
- MARILIA O SCLiar - **ID055**
- MARÍLIA PEREIRA GOUVEIA - **VC05**
- MARÍLIA ZALUAR GUIMARÃES - **ID084**
- MARINA A DAMACENO - **IR04**
- MARINA BONIFÁCIO DENADAI - **ID100, ID102, ID046**
- MARINA BORGES RABELO DE SANTANA - **ID074**
- MARINA CAÇADOR AYUPE - **CE77, IR42, CE33, CE46**
- MARINA CAÇADOR AYUPEA - **CE83**
- MARINA FONTOURA - **ID117**
- MARINA M BURLÁ - **CL19**
- MARINA MALHEIROS ARAÚJO SILVESTRINI - **ID060**
- MARINA PRIOLO GREJO - **IP13, IP14, MI12**
- MARINA SANTOS CHICHERCHIO - **ID064**
- MARINA TIEMI SHIO - **HI02, VC09**
- MARINE JOLY - **IN34**
- MARINETE MARINS PÓVOA - **ID057**
- MARIO HENRIQUE BENGTONSON - **CE37**
- MARIO ROEDERER - **ID114, ID009, ID012**
- MARISA APARECIDA CAIRIAC NUNES - **CE14**
- MARISA DA CUNHA SALES - **CE72, CE85, CE11, CE43, CE47**
- MARISOL BADIÉL OCAMPO - **CL36**
- MARISTELA GOMES CUNHA - **ID057**
- MARISTELA MARTINS DE CAMARGO - **HI03**
- MARITANA MELA PRODOCIMO - **IN13, TR05**
- MARIZA GONÇALVES MORGADO - **MI06, ID051**
- MARJORIE VIEIRA BATISTA - **CL11**
- MARLEY RIBEIRO FEITOSA - **CL27, CE53**
- MARLON FORTES ROCHA - **CL29**
- MARTA CHAGAS MONTEIRO - **IN32, IN26**
- MARTHA SUAREZ - **IN24**
- MARTÍN HERNÁN BONAMINO - **TU25, CE02, CE36, TU20, TU26**
- MATEUS DA SILVA MATIAS ANTUNES - **ID013, ID030**
- MATEUS V DE CASTRO - **ID055**

- MATEUS VIDIGAL DE CASTRO - **ID109**
- MATHEUS ATELLA DE OLIVEIRA - **CE87, ID064**
- MATHEUS BRAGA - **TR02, TR10, TR11**
- MATHEUS FREIRE DE LIMA - **ID078, IR48**
- MATHEUS SILVÉRIO DE MATTOS - **CE90**
- MATT JOHANSEN - **CE88**
- MATTHEW PIPKIN - **MI27**
- MAURÍCIO AFONSO VERÍCIMO - **CL17**
- MAURICIO L BARRETO - **MI29, MI01**
- MAURÍCIO TEIXEIRA NASCIMENTO - **ID096**
- MAURO JORGE CABRAL CASTRO - **CL34**
- MAURO M TEIXEIRA - **ID042**
- MAURO MARTINS TEIXEIRA - **ID103, ID113, ID007, IR10**
- MAURO SHUGIRO TADA - **ID002**
- MAURO TEIXEIRA - **ID023**
- MAURO VALENTINO PALOSCHI - **CE65, CE54, CE55**
- MAYANA ZATZ - **ID109, ID055**
- MAYARA ABUD MENDES - **ID090, CL02**
- MAYARA BELCHIOR BEZERRA - **CE07**
- MAYARA MATTOS - **CL35, IP21, IP29**
- MAYARA MENEZES DA SILVA - **IR06**
- MAYRA F RICCI - **ID042**
- MAYRA FERNANDA RICCI - **ID093**
- MÈDÉTON MAHOUSI MICHAËL BOKO - **CE52**
- MEIRE IOSHIE HIYANE - **CE93, HI05**
- MELANIE GENOULA - **ID045**
- MELAYNE ROCHA ACIOLE - **ID044**
- MELISSA CARVALHO MARTINS DE ABREU - **IR31**
- MELISSA SANTANA GONSALEZ MACHADO - **IR49, CE12, ID038, IR05, IR21**
- MELISSA SILVA GONÇALVES PONTE - **ID018**
- MENIRA SOUZA - **ID068**
- MERIELLEN DIAS - **ID005**
- MICHAEL MAES - **CL25**
- MICHAEL THEISEN - **VC12**
- MICHEL S NASLAVSKY - **ID055**
- MICHEL S. NASLAVSKY - **ID109**
- MICHELANGELO BAUWELZ GONZATTI - **CE66, IN41, TU11**
- MICHELE FARIA RAMOS - **TR06, TU23**
- MICHELE TORNATORE - **ID049**
- MICHELLE DA SILVA BARROS - **ID034, ID062, ID071**
- MICHELLE DAYA - **MI29**
- MICHELLE MIRANDA LOPES FALCÃO - **TR01**
- MIKHAEL HARUO FERNANDES DE LIMA - **CL29**
- MILCA DE JESUS SILVA - **MI01**
- MILENA DANIELA SOUZA SILVA - **CE65, CE91, CE54, CE55**
- MILENA DE PAIVA CAVALCANTI - **ID034, ID035**
- MILENA FERREIRA DE LIMA - **IP15**
- MILENA FERREIRA LIMA - **IP16**
- MILENA K COLÓ BRUNIALTI - **CE23**
- MILENA KARINA COLO BRUNIALTI - **IR13**
- MILENA LÁZARO SOUZA - **IN24**
- MILENA MARCIA DA SILVA - **ID107**
- MILENA MOUTA VERDAN FRANÇA CARVALHO - **ID006**
- MILENA NASCIMENTO VERDAM DE ARAÚJO - **TU44**
- MILENA NEIRA GOULART - **MI06, ID051**
- MILENE D MIRANDA - **IP21**
- MILTON ADRIANO PELLI DE OLIVEIRA - **IR37**
- MILTON OZÓRIO MORAES - **CL02**
- MIRELLA CRISTINY PEREIRA DE ANDRADE - **IN40**
- MIRIAM BIANCHI DE FRONTIN WERNECK - **MI27, TU45, MI05**
- MIRIAM GALVONAS JASIULIONIS - **IR13**
- MIRIAN KRISTEL DE SIQUEIRA - **CE46**
- MIRNA D' AURIOL - **ID042**
- MIRTES CASTELO BRANCO ROCHA - **TU42, TU43, TU46, TU31**
- MOARA ALVES SANTA BÁRBARA BORGES - **ID068**
- MOISÉS AGUIAR NEVES NETO - **MI27, MI05**

MOMTCHILO RUSSO - **HI04**  
 MONALISA MARTINS MONTALVÃO - **IR41, IN39**  
 MONAMARIS MARQUES BORGES - **IR28**  
 MONARA K S C ANGELIM - **IR35**  
 MONARA KAÉLLE SÉRVULO CRUZ ANGELIM -  
**CE50, CE57**  
 MÔNICA BRAGANÇA SOUSA - **CE23**  
 MONICA CAMPBELL - **MI29**  
 MÔNICA L RIBEIRO ALMEIDA - **ID105, ID026**  
 MONICA LEVY ANDERSEN - **IN41**  
 MÔNICA LUCAS RIBEIRO ALMEIDA - **IN28**  
 MÔNICA SILVEIRA WAGNER - **CE82**  
 MÔNICA SPADAFORA FERREIRA - **ID068**  
 MONICK LINDENMEYER GUIMARÃES - **ID051**  
 MONIQUE DOS SANTOS LEANDRO - **CE01, CE03**  
 MONIQUE LEANDRO - **CE17**  
 MONIQUE MACEDO COELHO - **IR44, CE48, IR30**  
 MONÍZE V R SILVA - **ID055**  
 MONÍZE V. R. DA SILVA - **ID109**  
 MORGANA KELLY BORGES PRADO - **ID025**  
 MURILLO DUARTE SILVA - **CL27, IR07**  
 MURILO COSTA SOARES - **ID067**  
 MURILO HENRIQUE SATURNINO DE LIMA -  
**MI21**  
 MURILO SOARES COSTA - **CL05, ID043**  
 MYLLA DIMAS - **TU41**

---

## N

---

NÁDIA CRISTINA DUPPRÉ - **CL02**  
 NADIA EMELY CHAUCA TORRES - **TU49**  
 NAGELA G. ZANLUQUI - **ID036**  
 NÁGILA ISLEIDE SILVA - **IN45, ID116**  
 NAIARA INGRID MEDEIROS - **ID088**  
 NAIARA NAIANA DEJANI - **CE20**

NAIRA L. BIBO - **IP28**  
 NAJLA SANTOS PACHECO DE CAMPOS - **TU29**  
 NATÁLIA FEITOSA SANTOS - **TR13**  
 NATALIA FERNANDA DE MELO OLIVEIRA -  
**ID099, ID111, ID120, ID022, ID023, IR26**  
 NATÁLIA FERNANDA DE MELO OLIVEIRA -  
**ID033, IR10**  
 NATALIA FINTELMAN RODRIGUES - **IP21, IP29**  
 NATALIA FINTELMAN-RODRIGUES - **CL35**  
 NATÁLIA M BRUSSOLO - **TU24**  
 NATÁLIA MACHADO TAVARES - **CL22, IP05**  
 NATÁLIA PINHEIRO ROSA - **IR44, CE31**  
 NATALIA RECARDO AMORIM - **ID027**  
 NATÁLIA S WASSANO - **CE49**  
 NATALIA S. HOJO SOUZA - **VC15**  
 NATALIA SALAZAR - **VC15**  
 NATÁLIA SATCHIKO HOJO DE SOUZA - **IN27**  
 NATALIA SOSHNIKOVA - **CE80**  
 NATALIE BITENCOURT RAMOS - **CE73, CE19**  
 NATALY PERES - **TU49**  
 NATHALIA A MACEDO - **TU24**  
 NATHÁLIA ARAÚJO - **CE29**  
 NATHALIA BEATRIZ RAMOS DE SÁ - **MI06, ID051**  
 NATHALIA PEREIRA - **ID070**  
 NATHÁLIA VITÓRIA PEREIRA ARAÚJO - **CE26**  
 NÁTHALY OLIVEIRA YOUSSEF DE NOVAES ISSA  
- **TR13**  
 NAYANE ALVES DE LIMA GALDINO - **CL11, TU04**  
 NAYARA ANDRADE DIAS - **ID032**  
 NAYARA DANIELLI DEL SANTOS - **IR28**  
 NAYARA DELGADO ANDRÉ - **TU23**  
 NAYARA EVELYN TOLEDO - **TU41**  
 NAYARA GUSMÃO TESSAROLLO - **CE78, TU41,**  
**CE40**  
 NAYARA INGRID MEDEIROS - **ID121, CE07**  
 NAYARA PEREIRA - **IP20**  
 NEIL PEARCE - **MI01**  
 NERIANE MONTEIRO NÉRY - **CE55, CE91**



NESTOR ÁDRIAN GUERRERO GUTIÉRREZ - **ID077**

NICHOLAS RAFAELS - **MI29**

NICOLAS QUESNOT - **IP06**

NIDIANE DANTAS REIS PRADO - **VC05**

NIELS OLSEN SARAIVA CÂMARA - **TU47**

NIELS OLSEN SARAIVA CÂMARA - **CE93, HI05, TU07, TU09, IR32, IN18, TU34**

NIELS OLSEN SARAIVA CÂMARA - **CE80**

NILMAR SILVIO MORETTI - **ID069**

NINA MARÍ GUAL DE QUEIROZ - **IN04**

NINA MARÍ GUAL PIMENTA DE QUEIROZ - **TU38, TU21**

NISSI VARKI - **TU36**

NIVEA MARIA FÁBIO - **ID037**

NÍVIA NONATO SILVA - **ID048, ID063**

NUBIA BOECHAT - **IP29**

NÚBIA SABRINA MARTINS - **CE52**

NYCOLAS WILLIAN PREITE - **ID021, ID050, ID079**

---

## O

---

OGOOLUWA OJELABI - **CE24**

OLINDO ASSIS MARTINS - **VC03**

OLINDO ASSIS MARTINS FILHO - **ID114, ID012, ID060, VC07**

OLINDO ASSIS MARTINS-FILHO - **ID009**

OLIVIER NEYROLLES - **IN34, ID045**

OMAR ALBERTO DOMÍNGUEZ AMOROCHO - **HI05**

OMAR DOMÍNGUEZ AMOROCHO - **TU47**

OMAR FERES - **CL27, CE53**

ORLANDO C FERREIRA JR - **HI08, ID076**

ORLANDO D C FERREIRA - **CL30**

ORLANDO DA COSTA FERREIRA JÚNIOR - **CE09, IN35, ID054**

ORLANDO DC FERREIRA - **ID058**

ORTÊNCIA DE OLIVEIRA SOUSA - **CE54**

OSCAR BRUNA ROMERO - **CL28, IR16**

OSVALDO C S NONATO - **CE30**

OSVALDO CAMPOS - **VC15**

OSVALDO CAMPOS DOS SANTOS NONATO - **CE79, VC04, CE42**

OTAVIA CABALLERO - **VC15**

OTÁVIO CABRAL MARQUES - **ID110, TU37**

---

## P

---

PABLO IVAN PEREIRA RAMOS - **ID008**

PAMELA BERMEJO - **IN01**

PAOLO GARAGNANI - **IR30**

PATRICIA ALVES DE CASTRO - **ID050**

PATRÍCIA ALVES REIS - **IN25, IP22**

PATRICIA ASSIS - **CE24**

PATRÍCIA BRITO RODRIGUES - **CE16**

PATRÍCIA CRUZ BERGAMI-SANTOS - **TU49**

PATRÍCIA M R E SILVA - **ID026**

PATRICIA MARES DE MIRANDA - **TR01**

PATRÍCIA T BOZZA - **ID090, IP21, IP01, CL19, CL35, IP22, IP24, IP29**

PATRÍCIA T VERAS - **IN24**

PATRICIA TORRES BOZZA - **CL02, IP09, IP18, IN25**

PATRÍCIA TORRES BOZZA - **ID075, IP26**

PATRÍCIA VARELA CALAIS - **MI10**

PATRICIA XANDER BATISTA - **TU56**

PATRÍCIA XANDER BATISTA - **CE04, ID069**

PATRICK AZEVEDO - **VC15**

PATRICK DA SILVA - **ID036, IR25**

PATRICK DANIEL VARGA-WEISZ - **CE68, IR11, CE26**

PATRICK VARGA WEISZ - **CE29, CE67**

PAULA B DONATE - **IR04**



- PAULA BARBIM DONATE - **ID053**
- PAULA BELLOZI - **TU44, CE08**
- PAULA COELHO TEIXEIRA - **CE63, IN32, IN26**
- PAULA DO AMARAL COSTA RIBEIRO - **TU37, TU10**
- PAULA MARIA QUAGLIO BELLOZI - **ID084, TU52**
- PAULA ORDONHEZ RIGATO - **CE75, CE14**
- PAULA R VIACAVAL - **IR04**
- PAULA ROCHA MOREIRA - **CE07**
- PAULINE MARTINS LEITE BORGES - **CL05, ID067**
- PAULO CÉSAR FERREIRA DOS SANTOS - **CE06**
- PAULO CÉSAR SANTANA FILHO - **CE63, IN32**
- PAULO CEZAR DE FREITAS MATHIAS - **IN07, IN11**
- PAULO DE MELO - **IR23**
- PAULO ESTEVÃO FERREIRA MACÊDO - **MI28**
- PAULO GAIO LEITE - **ID022, ID023, IR10, IR26**
- PAULO H MELO - **IR04**
- PAULO HENRIQUE LISBOA RAEDER - **ID040**
- PAULO JOSÉ BASSO - **CE93, HI05**
- PAULO LOUZADA JUNIOR - **CL29**
- PAULO PINTO JOAZEIRO - **CE56**
- PAULO R S SANCHES - **IN01**
- PAULO RENATO RIVAS TOTINO - **IN33, VC11, VC12**
- PAULO ROSADO DE CASTRO - **ID090**
- PAULO VALDECI WORM - **TU50**
- PEDRO AUGUSTO CARVALHO COSTA - **TU55**
- PEDRO FELIPE LOIOLA SOUZA - **ID116, IN45**
- PEDRO HENRIQUE BÜRGEL - **CE92**
- PEDRO HENRIQUE DIAS MOURA PRAZERES - **TU55, CE31**
- PEDRO HENRIQUE MIRANDA BÜRGEL - **CL16**
- PEDRO HENRIQUE OLIVEIRA VIANNA - **CE38**
- PEDRO ISMAEL DA SILVA JÚNIOR - **IR28**
- PEDRO KURTZ - **CL35**
- PEDRO LUIS CANDIDO DE SOUZA CASSELA - **CL25**
- PEDRO LUIS CÂNDIDO DE SOUZA CASSELA - **TR02**
- PEDRO LUIZ CÂNDIDO DE SOUZA CASSELA - **CL21**
- PEDRO M M MORAES VIEIRA - **IN29**
- PEDRO M MENDES MORAES-VIEIRA - **IR39**
- PEDRO M MORAES VIEIRA - **IN03, CE37**
- PEDRO MANOEL M MORAES VIEIRA - **CE49**
- PEDRO MANOEL MARQUES GARIBALDI - **TU35**
- PEDRO MANOEL MENDES DE MORAES VIEIRA - **CE68, IR35, IN40, IR08, IN10, CE56, CE57, CE78, IN38, TU41, CE40, CE45, CE50, CE51**
- PEDRO MARÇAL BARCELOS - **CE64**
- PEDRO MILET MEIRELLES - **MI01**
- PEDRO MORENO PIMENTEL COELHO - **CE81**
- PEDRO PAULO A MANSO - **IP21**
- PEDRO PAULO DE ANDRADE SANTOS - **IP04**
- PEDRO PAULO DINIZ LUCINDA - **ID088, ID121**
- PEDRO PIRES GOULART GUIMARÃES - **TU55**
- PEDRO R T ROMÃO - **ID025, IN26**
- PEDRO ROOSEVELT TORRES ROMÃO - **CE63, IN32, IP02, ID068, VC08**
- PEDRO ROOSVELT ROMÃO - **CL04**
- PEDRO VIEIRA DA SILVA NETO - **CL26, CL27, IP11, MI18**
- PEDRO WESLLEY SOUZA DO ROSÁRIO - **CE07**
- PERLA MONSERRAT - **MI04**
- PERLA MONTSERRAT - **CL03**
- PHILIP COOPER - **MI01**
- PHILIP HANSBRO - **CE88**
- PHILIPPE CALOBA - **HI06**
- PHILIPPE CALOBA OLIVEIRA DE MATTOS CRUZ - **TU36**
- PHILLIP SCOTT - **ID115, ID073**
- PIETRO CIANCAGLINI - **IP08**
- POLIANA CAPUCHO SANDRE - **CE38**
- POLIANE SILVA MACIEL - **VC10**
- POLICARDO ADEMAR SALES JÚNIOR - **ID060**
- POLLYANA RIBEIRO CASTRO - **CE67, CE16**



PRISCILA ALVES CEZAR - **MI06, ID051**  
 PRISCILA DA TRINDADE FLORES - **CL04**  
 PRISCILA DE SOUSA FERREIRA - **CE36**  
 PRISCILA GUBERT - **IP15, IP16, MI15**  
 PRISCILA MENDONÇA DO SACRAMENTO -  
**CE72, CE11, CE43, CE47**  
 PRISCILA MENDONÇA SACRAMENTO - **CE85**  
 PRISCILA MIRANDA HENRIQUES - **ID012**  
 PRISCILA OLIVEIRA DE SOUZA - **ID082, ID003**  
 PRISCILA SANTOS MARTINS DIAS - **ID081**  
 PRISCILA VALENTIM COELHO - **IP10**  
 PRISCILLA CHRISTINA OLSEN - **ID014, ID039,**  
**MI08**  
 PRISCILLA DA COSTA MARTINS - **IN33**  
 PRISCILLA MIRANDA HENRIQUES - **ID114, ID009**  
 PRITESH JAYCHAND LALWANI - **ID119**  
 PRYSCILLA FANINI WOWK - **CE20**

---

## Q

---

QUIRINO ALVES DE LIMA NETO - **TR10, TR11**

---

## R

---

RAFAEL ANDRADE MENOLLI - **ID112, ID118,**  
**IN15**  
 RAFAEL BERTON CORREIA RAMOS - **ID050**  
 RAFAEL CANFIELD BRIANESE - **TU04**  
 RAFAEL CARDOSO MACIEL COSTA SILVA - **TU51**  
 RAFAEL DOS SANTOS BARROS - **IP25**  
 RAFAEL ELIAS MARQUES - **ID082, ID117**  
 RAFAEL MACHADO REZENDE - **TU02, IN27**  
 RAFAEL MOURA MAURMANN - **CE76**  
 RAFAEL PEREIRA DE SOUZA - **CE83**

RAFAEL S SAIA - **ID042**  
 RAFAEL SAAVEDRA LANGER - **IR44**  
 RAFAEL SILVA LIMA - **CE07**  
 RAFAEL TEIXEIRA MATTOS - **CE07**  
 RAFAEL TEIXEIRA TIBURCIO DOS SANTOS - **CL18**  
 RAFAEL TIBÚRCIO - **ID098**  
 RAFAELA AGUIAR GIOVANELLI - **EI03, EI04, EI05,**  
**EI06, EI07**  
 RAFAELA CASSA MISACA - **VC18**  
 RAFAELA DAS DORES PEREIRA - **ID095, ID099,**  
**ID111, ID120, ID022, ID023, ID033, IR10,**  
**IR26**  
 RAFAELA DE MELO BARRETO - **CE48**  
 RAFAELA DE OLIVEIRA BILHÃO - **CE11**  
 RAFAELA DE SOUZA ANDRADE - **IN43**  
 RAFAELA L L SOUZA - **CE30**  
 RAFAELA LÚCIA LOPES DE SOUZA - **CE79, VC04,**  
**CE42**  
 RAFAELA ROSA-RIBEIRO - **MI02**  
 RAFFAEL CASTRO - **CE08**  
 RAFFAEL JÚNIO ARAÚJO DE CASTRO - **IN44,**  
**CL16**  
 RAÍSA SANTOS COELHO - **TR03**  
 RAÍSSA GUIMARÃES LUDWIG - **CE39**  
 RAISSA SOARES MEINEL - **IR27**  
 RAISSA THOMPSON TORRES - **EI03**  
 RAMON BUSON LIMA PAIVA - **TU16**  
 RAMON KANENO - **TU05**  
 RANIERI COELHO SALGADO - **CE93**  
 RAPHAEL G FERREIRA - **IR04**  
 RAPHAEL S PERES - **IR04**  
 RAQUEL ALVES COSTA - **CE48**  
 RAQUEL CONCEIÇÃO MAIA BARROS - **EI01, EI02**  
 RAQUEL DAS NEVES ALMEIDA - **ID084**  
 RAQUEL DE SOUSA PAREDES - **ID018**  
 RAQUEL E DE ALENCAR - **CE25**  
 RAQUEL F GERLACH - **MI18**  
 RAQUEL MORAIS DE PAIVA DAIBERT - **MI17**

RAQUEL NUNES DE OLIVEIRA - **EI01, EI02**

RAÚL ARIAS CARRASCO - **HI06**

RAUL GOBATO DA COSTA - **CE39**

RAYANE APARECIDA NONATO RABELO - **ID095, ID099, ID111, ID120, ID022, ID023, ID033, IR10, IR26**

RAYANE OLIVEIRA COSTA - **EI01, EI02**

RAYLANE ADRIELLE GONÇALVES CAMBUI - **IN42**

REBECA BOSSO DOS SANTOS LUZ - **IN13, TR05**

REBECA BOSSO LUZ - **IN01**

REBECA FRÓES ROCHA - **ID117**

REBECA PEREIRA BULHOSA SANTOS - **TR01**

REBECA SALVADOR-REYES - **CE16**

REBECA SANTANA SOUZA - **VC09**

REGINA CÉLIA CERQUEIRA ALMEIDA - **TU33**

REGINA MARIA PAPAIIS ALVARENGA - **CE47**

REGIS MARIANO DE ANDRADE - **CE85**

REGYANE FERREIRA GUIMARÃES - **ID025**

REINALDO SALOMÃO - **CE23, IR13**

REMO CASTRO RUSSO - **IR34, IR10, IR26**

REMO RUSSO - **ID023**

REMY MARTINS GONÇALVES - **IP01**

REMY MARTINS-GONÇALVES - **ID090**

RENAIDE RODRIGUES FERREIRA GACEK - **CE10, CE59**

RENAN DE SOUZA BIN - **IP13, IP14, MI12**

RENAN GARCIA DE MOURA - **ID086, ID115**

RENAN OLIVEIRA CÔRREA - **CE16**

RENATA DE BRITO FALCÃO HOLANDA - **IR13**

RENATA DE MEIRELLES SANTOS PEREIRA - **MI27, MI05**

RENATA GORJÃO - **CE10, IR09, TR04, CE59**

RENATA M PEREIRA - **CE71**

RENATA ZORZETTO - **ID082, VC08**

RENATO AUGUSTO DAMATTA - **ID092**

RENATO DE OLIVEIRA RESENDE - **CL16**

RENATO ELIAS MOREIRA JUNIOR - **IR33**

RENATO KAYLAN ALVES DE OLIVEIRA FRANÇA - **MI23, MI07, MI11**

RENATO L G CUNHA - **TU24**

RENATO LUIZ GUERINO-CUNHA - **TU12**

RENATO STEIN - **ID003, CL15**

RENATO T STEIN - **ID082**

RENATO TETELBOM STEIN - **ID061**

RENÊ DONIZETE RIBEIRO DE OLIVEIRA - **CL29**

RHANA BERTO DA SILVA PRATA - **CL02**

RHANOICA OLIVEIRA GUERRA - **CE86**

RICARDO AMBRÓSIO FOCK - **IR17**

RICARDO CARDOSO CASTRO - **ID013, ID030**

RICARDO CASTRO - **IN05**

RICARDO DE LIMA ZOLLNER - **IP10, IR19**

RICARDO GASSMANN FIGUEIREDO - **ID063**

RICARDO GAZZINELLI - **VC15, CE24, ID070, IN27**

RICARDO T GAZZINELLI - **CE30**

RICARDO TOSTES GAZZINELLI - **ID108, ID114, CL08, CL09, ID002, VC02, VC04, CE42, CL12**

RICARDO WEINLICH - **MI02**

RICHARD KIM - **CE88**

RILTON ALVES DE FREITAS - **IN13**

RITA DE CÁSSIA BARBOSA MACEDO - **IP08**

ROBERT DOMINGUES - **MI17**

ROBERTA DOS SANTOS ROCHA - **CE07**

ROBERTA JEANE BEZERRA JORGE - **IN01**

ROBERTA LIBERATO PAGNI - **VC14**

ROBERTA NICOLLI SAGIORATO - **CE73, CE19, CE44**

ROBERTA OLMO PINHEIRO - **CL02, ID065, ID066**

ROBERTO JOSÉ MEYER - **ID063**

ROBERTO JOSÉ MEYER NASCIMENTO - **ID048**

ROBERTO M PANIAGO - **CE25**

ROBERTO MEYER - **MI22**

ROBSON APARECIDO PRUDENTE - **ID037**

ROBSON VINÍCIUS ALVES DIAS - **ID094**

RODOLFO RODRIGUES DA SILVA - **ID068**

RODRIGO ABUNA - **VC04**



RODRIGO CORRÊA OLIVEIRA - **CE07**  
 RODRIGO DIAS REQUIÃO - **CE37**  
 RODRIGO GUERINO STABELI - **VC05**  
 RODRIGO LUIZ FABRI - **IN12**  
 RODRIGO MEDEIROS DE SOUZA - **VC11, VC12**  
 RODRIGO NALIO RAMOS - **TU37, TU40, TU10**  
 RODRIGO NUNES RODRIGUES DA SILVA - **VC11, VC12**  
 RODRIGO PAOLO FLORES ABUNA - **ID038**  
 RODRIGO PEDRO PINTO SOARES - **IN02**  
 RODRIGO RESENDE - **TU23**  
 RODRIGO URESHINO - **TU05**  
 RODRIGO VIEIRA SAVI - **IN25**  
 ROGER CHAMMAS - **IN01**  
 ROGERIA CRISTINA ZAULI - **ID069**  
 ROGERIO PARRA - **CE53**  
 ROGERIO SERAFIM PARRA - **CL27**  
 ROMULO GONCALVES GALVANI - **TU08**  
 RÔMULO SILVA DE OLIVEIRA - **IR24**  
 RONALDO B MARTINS - **IN22**  
 RONALDO BRAGANÇA MARTINS JUNIOR - **IN05**  
 RONALDO MARTINS - **IP28**  
 RONALDO SILVA ALVES JÚNIOR - **IN09, IN23**  
 RONAN CHRISTIAN MACHADO DOS SANTOS - **TU45**  
 RONAN RICARDO SABINO ARAÚJO - **ID095**  
 RONNI ROMULO NOVAES E BRITO - **CE04**  
 ROQUE P DE ALMEIDA - **ID029**  
 ROSA ELENA - **CL03, MI04**  
 ROSA MARIA CHURI CHAMBI - **TU40**  
 ROSA MARIA DE OLIVEIRA SOUSA - **VC05**  
 ROSA MUSELLA - **ID045**  
 ROSÁLIA MENDEZ OTERO - **CE81**  
 ROSANA SOUZA RODRIGUES - **ID090**  
 ROSANE M F BOLZONI - **TU24**  
 ROSANNA RAMHORST - **IN20, IN31**  
 ROSIANE APARECIDA DA SILVA PEREIRA - **VC10**

ROSIANE APARECIDA DE CASTRO - **CE48**  
 ROSINEIDE COSTA SIMAS - **ID068**  
 ROSINEIDE SIMAS - **ID025**  
 ROSSANA C N MELO - **IP22**  
 ROUZBEH MAHDAVIR - **ID081**  
 RUBENS C LOBATO - **ID049**  
 RUBENS MAGALHAES - **VC15**  
 RUDIMAR LUIZ FROZZA - **CE38**  
 RUI CURI - **CE10, IR09, TR04, CE59**  
 RYAN DOS SANTOS COSTA - **MI09, TR03**  
 RYAN S COSTA - **MI29**

---

## S

---

SABRINA AZEVEDO MACHADO - **TU44, TU52, TU02**  
 SABRINA S BATAH - **IN05, IN22**  
 SABRINA SETEMBRE BATAH - **ID041**  
 SAMARA DAMASCENO - **IP28**  
 SAMUEL CAMPANELLI F COUTO - **TU37**  
 SAMUEL CAMPANELLI FREITAS COUTO - **TU10**  
 SAMUEL DOS SANTOS OLIVEIRA - **IN05, IN19**  
 SAMUEL LUIZ TEIXEIRA PORTO - **ID111, ID022, ID023, IR26**  
 SAMUEL PORTO - **IR10**  
 SAMUEL SANTOS VALENÇA - **IP06**  
 SAMUEL TEIXEIRA DE SOUZA - **ID016**  
 SANDRA M. MUXEL - **ID036**  
 SANDRA MARCIA MUXEL - **IR47, ID001, IR25**  
 SANDRA MARIA DO VALLE LEONE DE OLIVEIRA - **ID094**  
 SANDRA PATRICIA KALIL PERDOMO - **TU56**  
 SANDRA REGINA COSTA MARUYAMA - **CL27**  
 SANDRA WAGNER CARDOSO - **MI06, ID051**  
 SANDRA YASUYO FUKADA - **MI14**  
 SANDRA YASUYO FUKADA ALVES - **IP08**

- SANDRO MASSAO HIRABARA - **IR09, CE59**
- SANG HOON LEE - **IP27**
- SANRO MASSO HIRABARA - **CE10**
- SANTIAGO AGUIAR ESPELLET SOARES - **IR37**
- SANTUZA MARIA RIBEIRO TEIXEIRA - **ID097, CL05, CL09, HI07, ID043, ID067**
- SANTUZA TEIXEIRA - **VC15**
- SARA CÂNDIDA BARBOSA - **ID083, IR33, IR49, CE12, ID038, IR05, IR21**
- SARA NUNES DE OLIVEIRA ARAÚJO - **IP05**
- SARAH APARECIDA RODRIGUES SÉRGIO - **CL09**
- SARAH DE ATHAYDE COUTO FALCÃO - **IN46, IN08**
- SARAH DE OLIVEIRA - **CE74, CE16, CE27**
- SARAH ELLER - **IN26**
- SARAH FALCAO - **ID087**
- SAYONARA DE MELO VIANA - **IN24**
- SEBASTIAN AYALA - **CL36**
- SERGIO ALBERTO - **CL03**
- SERGIO C OLIVEIRA - **IN29**
- SÉRGIO COSTA OLIVEIRA - **TU38, IN04, ID077, TU21**
- SÉRGIO HENRIQUE HIRATA - **CE93**
- SÉRGIO MARCOS ARRUDA - **ID096, MI28**
- SILAS FERNANDES ETO - **IN01**
- SILVANA ARAUJO - **ID121**
- SILVANA DE ARÁUJO SILVA - **ID088**
- SILVANA MARIA ELÓI SANTOS - **ID009, ID012**
- SILVANA SOARES SANTOS - **TU04**
- SILVIA B BOSCARDIN - **CE25**
- SILVIA BEATRIZ BOSCARDIN - **VC14, VC17**
- SILVIA LIMA COSTA - **CE84, ID063, IP19**
- SÍLVIA MARINHO MARTINS ALVES - **ID071**
- SÍLVIO ROBERTO CONSONNI - **IR08, CE56**
- SIMONE BERTOZI DE SOUZA VASCONCELOS - **ID011**
- SIMONE GONÇALVES - **ID068**
- SIMONE GONÇALVES DA FONSECA - **CE63, IN26**
- SIMONE GONÇALVES FONSECA - **IN32, ID025**
- SIMONE KASHIMA HADDAD - **ID013**
- SIMONE MORAIS DA COSTA - **VC13**
- SIMONE RAMOS - **VC15**
- SOFIA DE LIMA SILVA - **CL23**
- SOFIA GIACOMET BORGES - **ID004, CL15, ID061**
- SOLANGE MARIA TORCHA CARVALHO CASTRO - **TU04**
- SOLEDAD GORI - **IN31**
- SONGELI MENEZES FREIRE - **MI22**
- SÓNIA KRISTY PINTO MELO RODRIGUES - **CL17**
- SÔNIA NAIR BÁO - **TU44, ID084**
- SORAYA CASTRO TRINDADE - **TR01, ID048, ID063**
- SORAYA DOS SANTOS PEREIRA - **VC05**
- SRIDHAR RADHAKRISHNAN - **IN06**
- STÉFANIE PRIMON MURARO - **CE49**
- STEFANY ALEXANDRE BEZERRA - **ID064**
- STELLA FRANCY VICENTE DE ASSUNÇÃO - **CE35**
- STEPHAN ALBERTO MACHADO DE OLIVEIRA - **CL16**
- STEPHANIE MAIA ACUÑA - **IR47, ID001**
- STEPHANIE SANTOS DE ALMEIDA - **TR07**
- STEPHANNIE JANAINA MAIA DE SOUZA - **IP03**
- STEPHEN FERNANDES DE PAULA RODRIGUES - **IP25**
- STEPHEN T SMALE - **IR50**
- STEVENS KASTRUP REHEN - **ID084**
- STEVENS REHEN - **IP29**
- SUDHIR GUPTA - **CE43**
- SUÉLEN C AMARAL - **ID049**
- SUELEN DA SILVA GOMES DIAS - **ID106, IP21, IP26, IP29, IP09**
- SUELEN SILVA GOMES DIAS - **CL35, IP24, IP01, IP18**
- SUELI MEIRA - **ID068**
- SUELY SANAE KASHINO - **CE75**
- SUEMY MELIM YAMADA - **IN42**
- SULAMITA DA S SETÚBAL - **CE54**





SULAMITA DA SILVA SETUBAL - **CE55**  
 SULAMITA DA SILVA SETÚBAL - **CE65, CE91**  
 SULAYNE JANAYNA ARAUJO GUIMARÃES - **TU42, TU43, TU46, TU54, TU03**  
 SULAYNE JANAYNA ARAÚJO GUIMARÃES - **TU31**  
 SUMARA DE FREITAS - **IR17**  
 SUSHEEL KUMAR SINGH - **VC12**  
 SUZANA ERICO TANNI - **ID037**  
 SUZANNE NERY SERRATH - **CE65, CE91, CE54, CE55**  
 SYLVIA LOPES MAIA TEIXEIRA - **MI06**

TÁRCIO PEIXOTO ROCA - **CL12**  
 TÁRCIO TEODORO BRAGA - **MI21, CL33, IN01, IN13, TR05**  
 TARCÍSIO VILA VERDE SANTANA DE ALMEIDA - **ID077**  
 TARSILA MENDES DE CAMARGO - **VC01**  
 TATIANA AMABILE DE CAMPOS - **IN46**  
 TATIANA PEREIRA DA SILVA - **CL02, ID065**  
 TATIANA RODRIGUES DE MOURA - **IR41, IN39**  
 TATIANE DE OLIVEIRA TEIXEIRA MUNIZ CARLETTO - **TR01**  
 TATIANI UCELI MAIOLI - **ID083, IR33, IR49, CL10, CE31, IR22, IR30**

## T

TÁBATA TAKAHASHI FRANÇA - **IN01**  
 TAIANE DE MACÊDO GONDIM - **ID048**  
 TAIANE GONDIM - **ID063**  
 TAINAH MENDES AHRENS - **CL25, CL21**  
 TAÍS MATOZO - **CE69**  
 TAISSA DE MATOS KASAHARA - **CE72, CE85, CE11, CE43**  
 TALITA DOS SANTOS DE JESUS - **MI25**  
 TALITA M FERNANDES - **MI18**  
 TALITA S JESUS - **MI29**  
 TALITA VIEIRA DUPIN - **TU56**  
 TAMARA RODRIGUES - **IP28**  
 TAMARA SILVA RODRIGUES - **CE80, IN05, ID041, IN19**  
 TAMIRES DA CUNHA FERNANDES - **IP22, IN25**  
 TAMIRES ROCHA DA SILVA - **ID064**  
 TAMYRES SOUZA GARCIA ALVIM RANZATO - **IR14**  
 TANIA CAROLINA BRAGA REIS - **CE69**  
 TÂNIA CRISTINA PITHON CURI - **IR09, CE59, CE10**  
 TANIA CRISTINA SUMITA - **ID119**  
 TANIRA ALESSANDRA AGUIRRE SILVEIRA AGUIRRE - **VC08**

TATIANI UCELLI MAIOLI - **MI24**  
 TATSUYA NAGATA - **CL16**  
 TEMUGIN BERTA - **IP27**  
 TEREZA CRISTINA MINTO FONTES CAL - **IN38, CE39**  
 TEREZINHA M P P CASTIÑEIRAS - **CL30**  
 TEREZINHA MARTA PEREIRA PINTO CASTINEIRAS - **HI08, ID076**  
 TEREZINHA MARTA PEREIRA PINTO CASTIÑEIRAS - **IN35, ID054**  
 TERTULIANO ALVES PEREIRA NETO - **TR06**  
 THAIANY GOULART DE SOUZA E SILVA - **ID101**  
 THAIS ABDALA TORRES - **VC07**  
 THÁIS BERGMANN DE CASTRO - **TU30, IR43, IN44**  
 THAIS C SINCERO - **CL28**  
 THÁIS CAMPINO SIQUEIRA - **CL05**  
 THAIS CRISTINA DA SILVA - **TU56**  
 THÁIS DA SILVA RIGONI - **CE01, CE03, VC04, CE79, CE17**  
 THÁIS DE OLIVEIRA PASSOS - **MI27, MI05**  
 THAIS F SILVA - **IR24**  
 THAIS FERNANDA DE CAMPOS FRAGA SILVA - **CL27, CE52**  
 THAIS FERNANDA RODRIGUES - **IN43**  
 THAIS FREITAS BARRETO FERNANDES - **MI06, ID051**

- THAÍS GARCÍAS MOREIRA - **CE31**
- THAÍS MOREIRA ABREU - **IR33**
- THAIS NASCIMENTO KIMMEMGS - **TU06, CE34**
- THAIS SIBIONI BERTI BASTOS - **IN01, TR05**
- THAIS SILVA DE OLIVEIRA - **ID039**
- THAÍS SOPRANI AYALA - **ID112, IN15, ID118**
- THAISA REGINA ROCHA LOPES - **ID044**
- THAISE C SONCINI - **CL28**
- THAIZE QUIROGA CHOMETON PEDRO - **ID018**
- THALES EDUARDO GALDINO ANDRADE - **IP13, MI12**
- THALES GALDINO DE ANDRADE - **IP14**
- THALIA MEDEIROS - **CL34**
- THALITA SANTOS DE MORAES DE FARIAS - **IN16**
- THAYNÁ RUIZ FERREIRA - **ID024, ID037**
- THAYNARA OLIVEIRA DA SILVA - **ID014, ID039**
- THAYS NEVES NANTET - **EI04, EI07**
- THEO DE ARAÚJO SANTOS - **ID091**
- THÉO GREMEN M. DE OLIVEIRA - **TU37, TU10**
- THÉO SOUZA BORBA - **ID003**
- THERESA RAMALHO - **CE24**
- THERESA RAQUEL RAMALHO - **TU34**
- THEREZINHA M CASTIÑEIRAS - **ID058**
- THIAGO ALBUQUERQUE VIRAÇÃO - **TU56**
- THIAGO BARROS DO NASCIMENTO DE MORAIS - **ID119**
- THIAGO FIDELIS FERRÃO - **ID047**
- THIAGO FRANCHI NUNES - **ID094**
- THIAGO J BORGES - **ID082**
- THIAGO LEITE KNITTEL - **IN38**
- THIAGO M CUNHA - **IR04, IP28, IN05**
- THIAGO M L SOUZA - **IP21, IP29**
- THIAGO MAGALHÃES DA SILVA - **MI29**
- THIAGO MARCONI CARDOSO - **ID073**
- THIAGO MATTAR CUNHA - **IP27, CE35, ID053, IR29, IN21**
- THIAGO MORENO L SOUZA - **CL35**
- THIAGO MORENO LOPES SOUZA - **IP09**
- THIAGO MORENO LOPEZ - **IP24**
- THIAGO MORENO SOUZA LOPES - **IP01, IP18**
- THIAGO RODRIGUES MACHADO - **VC13**
- THICIANY BLENER LOPES - **CL12**
- THOMAS CHRISTOPHER RHYS WILLIAMS - **ID084**
- THOMAS LIECHTI - **ID114, ID009, ID012**
- THOMAZ DIAS - **IN27**
- TIAGO BERTOLA - **TR04**
- TIAGO BERTOLA LOBATO - **CE10, CE59**
- TIAGO DANELLI - **CL25**
- TIAGO F OLIVEIRA - **IN26**
- TIAGO F. DA SILVA - **ID036**
- TIAGO FAZOLO - **ID082, ID003**
- TIAGO FRANCISCO DA SILVA - **IR47, IR25**
- TIAGO OLEAN OLIVEIRA - **IR36**
- TIANHAO XU - **MI27**
- TICIANE G BOVI - **CE49**
- TICIANO GOMES DO NASCIMENTO - **IP03**
- TIM SPARWASSER - **IR23**
- TIMNA VARELA MARTINS - **CE35, IN21**
- TOMÁS GAZZINELLI MARÇAL - **VC02**
- TOMAS MARÇAL - **VC15**
- TONIANA G CARVALHO - **ID093, ID042**
- TONYA BRUNETTI - **MI29**
- 
- ## U
- 
- UALTER G CIPRIANO - **IR24**
- ULISSES CERQUEIRA LINHARES - **CE43**
- ULISSES GAZOS LOPES - **MI27, MI05**
- ULLIANA MARQUES SAMPAIO - **CE16**
- ULRICH STEINHOFF - **ID081, ID089**
- UNAÍ TUPINAMBÁS - **CL05, ID043, ID067**
- UYLA O GARCIA - **ID026**
- UYLA ORNELLAS GARCIA - **ID105, IN28**

**V**

- VAGNITON AMELIO DE SOUZA - **IR37**
- VALDES ROBERTO BOLLELA - **ID013, ID030**
- VALDILÉA G VELOSO - **ID051**
- VALDILÉA GONÇALVES VELOSO DOS SANTOS - **MI06**
- VALDISON PEREIRA DOS REIS - **CE91, CE54, CE55**
- VALDOMIRO SILVEIRA MOITINHO JÚNIOR - **ID008**
- VALERIA B DO VALLE - **MI18**
- VALÉRIA DA SILVA TRAJANO - **E105**
- VALÉRIA DE LIMA KAMINSKI - **ID021, ID050, ID079**
- VALÉRIA DE MATOS BORGES - **ID091, CL02, IN02**
- VALÉRIA M BORGES - **IN24**
- VALÉRIA MATOS BORGES - **CE58**
- VALERIE QUESNIAUX - **IR04**
- VALERIYA ZININA - **CE80**
- VALQUÍRIA APARECIDA MATHEUS - **CE27, CE74**
- VALTENCIR ZUCOLOTTI - **VC16**
- VANDERSON ROCHA - **TU37, TU40, TU10**
- VANESA HAUKE - **IN20, IN31**
- VANESSA ARAÚJO VARELA - **TU15, CE34**
- VANESSA CARREGARO PEREIRA - **ID029**
- VANESSA FERNANDES DE ABREU COSTA - **ID018**
- VANESSA FERNANDES RODRIGUES - **IR49, CE12, ID038, IR05, IR21**
- VANESSA MANÇUR SANTOS - **ID091, IN02, IN24**
- VANESSA PERUHYPE MAGALHÃES PASCOAL - **VC07**
- VANESSA SOARES LARA - **TU32**
- VANESSA XAVIER - **TU56**
- VANIA FONTANELLA - **CL23**
- VÂNIA L D BONATO - **IR24**
- VÂNIA LUIZA DEPERON BONATO - **CL27, ID100, ID102, CE52, ID046**
- VANUSA POUSSADA DA HORA - **ID049**
- VARSHA RAGHAVAN - **IR12**
- VASCO AZEVEDO - **IR22**
- VERA LÚCIA GARCIA CALICH - **ID079**
- VERÔNICA COELHO - **ID068**
- VERÔNICA SALERNO PINTO - **CE01, CE03**
- VERONICA SCHMITZ PEREIRA - **IN43**
- VICENTE B T BOZZA - **HI01**
- VICENTE BALTHAR TORRES BOZZA - **CE09, ID076**
- VICTOR A OTA - **CL30**
- VICTOR AKIRA OTA - **IN35, ID054**
- VICTOR ASSIS KERSTEN - **HI04**
- VICTOR CORASOLLA CARREGARI - **ID042, ID093, IN47**
- VICTOR E ORTEGA - **MI29**
- VICTOR HUGO DE SOUZA - **TR11**
- VICTOR HUGO SOUZA - **TR02**
- VICTOR M ROCHA - **ID042**
- VICTOR MELO ROCHA - **ID093**
- VICTOR RODRIGUES SANTOS - **ID104**
- VICTOR VAITKEVICIUS ANTÃO DE SOUZA - **ID034, ID035**
- VICTOR YUJI YARIWAKE - **TU47, HI05, IR32**
- VICTÓRIA ALVES SANTOS LUNARDELLI - **VC14, VC17**
- VICTORIA C BASTOS - **ID058**
- VICTORIA CÔRTEZ BASTOS - **CL30, IN35, ID054**
- VICTÓRIA DE SOUSA CHAVES - **CE64**
- VICTORIA REGINA DA SILVA - **MI15**
- VINICIUS ANDRADE OLIVEIRA - **TR12**
- VINÍCIUS BOTTURA APOLLONI - **IR24**
- VINICIUS CARDOSO SOARES - **CL35, ID106, IP21, IP24, IP26, IP29, IP01, IP09, ID075, IP18**
- VINICIUS COTTA DE ALMEIDA - **IR40, IR06, CE41**
- VINICIUS DANTAS MARTINS - **ID083, IR33, CL20**

VINÍCIUS DANTAS MARTINS - **CE83**  
VINICIUS DE ANDRADE OLIVEIRA - **TU47, IR32, TU34**  
VINICIUS DIAS NIRELLO - **CE26**  
VINÍCIUS E PIMENTEL - **MI18**  
VINÍCIUS EDUARDO PIMENTEL - **CL27**  
VINÍCIUS FRANCO DE FREITAS - **CE39**  
VINÍCIUS JARDIM CARVALHO - **TU48, TU39, CE34**  
VINICIUS LEONARDO - **TR04**  
VINÍCIUS LEONARDO DINIZ - **CE59**  
VINÍCIUS LEONARDO SOUSA DINIZ - **CE10, IR09**  
VINICIUS M VIDAL - **CL30**  
VINICIUS MARACAJA COUTINHO - **HI06**  
VINÍCIUS MARTINS BORGES - **TU21**  
VINÍCIUS MARTINS DANTAS - **IR44**  
VINICIUS MENDES VIDAL - **IN35, IR12, ID054, ID076**  
VINÍCIUS MENDES VIDAL - **CE18**  
VINICIUS NIRELLO - **CE29**  
VINÍCIUS NUNES CORDEIRO LEAL - **IN42**  
VINICIUS WAKOFF - **HI08**  
VIRGINIA MARIA BARROS DE LORENA - **ID107, ID034, ID035, ID044, ID062, ID071**  
VITOR ALEJANDRO TORRES GAJARDO - **ID086**  
VITOR ANTÔNIO FORTUNA - **ID048, IP05**  
VITOR FORTUNA - **MI22, ID063**  
VITOR HUGO JACCOMO - **CE56**  
VITOR LEONARDO BASSAN - **TU35**  
VITOR MARCEL FAÇA - **MI26**  
VITOR ROBERTO DE SOUZA - **ID032, ID056**  
VITOR VALÉRIO MAFFILI - **MI22**  
VITÓRIA DIAS RIGUETE CHAVES - **CL05**  
VITÓRIA PAIXÃO - **HI02**  
VIVIAN BARBOSA SANTOS ALVARENGA - **ID022, ID033**  
VIVIAN L DE OLIVEIRA - **IP23, CE25**  
VIVIAN R CÓRIA - **ID109, ID055**  
VIVIAN V COSTA - **ID042**

VIVIAN VASCONCELOS COSTA - **ID093, ID103, ID113, ID120**  
VIVIAN VASCONCELOS COSTA LITWINSKI - **ID104**  
VIVIANE APARECIDA DE OLIVEIRA CIRIACO - **TR08, TR09**  
VIVIANE ELSNER - **CL07**  
VIVIANE J DA SILVA - **TU37**  
VIVIANE JENNIFER DA SILVA - **TU40, TU10**  
VIVIANE ROSTIROLA ELSNER - **TU28**  
VIVIANE SAMPAIO BOAVENTURA - **CL22**  
VIVIANI MENDES DE ALMEIDA - **ID093, ID042**  
VIVIANI NARDINI - **CE53**

---

## W

---

WAGNER BARBOSA DIAS - **TU45**  
WALDEMIR FERRARI JUNIOR - **CL31**  
WALDEREZ ORNELAS DUTRA - **ID088, ID101, ID121, CE07, CL11**  
WALISON SILVA NUNES - **TR06**  
WALLACE MARTINS ARAÚJO - **TU36**  
WALTON LUIZ DEL TEDESCO JÚNIOR - **CL25**  
WANDERSON FERREIRA DA SILVA JÚNIOR - **CE62, CE90, IN06**  
WANDERSON WILLIAN DOS SANTOS DIAS - **TU50**  
WANESSA CARVALHO - **MI17**  
WARRISON ATHANÁSIO COELHO DE ANDRADE - **ID041, IN19**  
WASHINGTON LUIS CONRADO DOS SANTOS - **ID091**  
WEBSTER LEONARDO G COSTA - **CE49**  
WEBSTER LEONARDO G DA COSTA - **IN03**  
WEBSTER LEONARDO GUIMARÃES DA COSTA - **IN40**  
WELBERT DE OLIVEIRA PEREIRA - **CE34**  
WELBERT OLIVEIRA PEREIRA - **TU15**

WELLINGTON FRANCISCO RODRIGUES - **IR31**  
WELLYNGTON MATHEUS DE SOUZA SANTIAGO  
- **ID094**  
WENDEL A ALVES - **IP23, CE25**  
WENDERSON TINORIO DE PAULA - **IP12**  
WILIAS G S SANTOS - **IN03**  
WILIAS GREISON SILVA SANTOS - **IR35**  
WILLIAM LAUTERT - **MI12**  
WILLIAN PEGORARO KUS - **TU50**  
WILSON ALVES DE OLIVEIRA JUNIOR - **ID062,**  
**ID071**  
WILSON SAVINO - **CE82, IR40, MI03**

---

## X

---

XAVIER ARAGONE - **IN34**  
XIOMARA ALEXANDRA GAITAN - **VC01**

---

## Y

---

YAN DE S. ANGELO - **ID036**  
YAN DE SOUZA ANGELO - **IR25**  
YANN YVES LAMARRE - **ID013**  
YARE DA SILVA PEREIRA MELLO - **HI01**  
YASMIN DA SILVA LUZ - **IN24**  
YASMIN MONARA FERREIRA DE SOUSA  
ANDRADE - **ID091**  
YGOR PARLADORE SILVA - **CE38**  
YODA JANAINA IKENOHUCHI - **CE55**  
YRNA LORENA MATOS DE OLIVEIRA - **IR41, IN39**  
YSLANNA MARIA CABRAL DE ALMEIDA - **IN39**  
YUNYS PEREZ BETANCOURT - **VC18**  
YUREE MILHOMEM BANDEIRA HERÊNIO - **ID094**  
YURI MÁRCIO CAMPOS BARBOSA - **IR44, IR22**

---

## Z

---

ZECA ALVES FILHO - **IP28**  
ZILTON FARIA MEIRA DE VASCONCELOS - **CL32**  
ZOI VAHLAS - **ID045**  
ZULEICA NAOMI TANO - **CL25**