



**XXXVII Congress of the Brazilian
Society of Immunology**
V Extra Section of Clinical Immunology - ESCI

SBI 
Sociedade Brasileira de Imunologia

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Campos do Jordão SP Brazil
October, 20 - 24, 2012

SCIENTIFIC PROGRAM

OCTOBER, 20ST – 2012
FIRST DAY (SATURDAY)

Venue: DORIA CONVENTION CENTER	
12:00 - 04:00 pm	Registration
Venue: "Claudio Santoro" Auditorium	
05:45 - 08:00 pm	Opening Ceremony
05:45 - 06:00 pm	Orientation
06:00 - 06:20 pm	President's Address
06:20 - 06:30 pm	Tribute to Prof. Julio Voltarelli (Kelen Farias)
06:30 - 07:00 pm	Musical Concert (show)
07:00 - 08:00 pm	Opening Conference Speaker: Ruslan Medhiztov Talk Title: Inflammation, Homeostasis and Disease Institute: Yale University Chair: Sergio Costa Oliveira
08:00 - 10:00 pm	Reception

VENUE: DORIA CONVENTION CENTER OCTOBER, 21 ST – 2012 FIRST DAY (SUNDAY)					
HOUR	ROOM 1 – ST. MORITZ	ROOM 2 - ASPEN	ROOM 3 - VAIL	ROOM 4 - BARILOCHE	ROOM 5 - CHILAN
08:00 - 09:00 am	BD FLOW CYTOMETRY COURSE Talk Title: Introduction to Flow Cytometry - Basic concepts and general applications	LIFE COURSE Multiplatforms Research: When Molecular meets Cellular: Talk Title: Modulo 1 “Concepts and applications on Real Time PCR” Speaker: Gustavo Avelar			
09:00 - 12:00 pm	RT1. Allergy Chair: Patricia Bozza	RT2. Pathogenesis of Tropical Diseases Chair: Edgar Marcelino de Carvalho Filho Sponsored by INCT-DT	RT3. Tuberculosis Chair: Henrique Teixeira	RT4. Clinical immunology Chair: Auro Nomizo	
09:00 - 09:30 am	Talk Title: Immunity in the allergic Lung –Th2 cells and beyond Speaker: Clare Margaret Lloyd Institute: Imperial College, England	Talk Title: Macrophage plasticity and the control of the activation response Speaker: David Mosser Institute: University of Maryland, USA	Talk Title: Discovery of novel M.tuberculosis antigens and biomarkers Speaker: Tom H. M. Ottenhoff Institute: Leiden University	Talk Title: Genetic diversity of the β 2-adrenergic receptor gene in individuals’ residents in Rio de Janeiro: possible clinical implications Speaker: Adalberto Rezende Santos Institute: FIOCRUZ/RJ	
09:30 - 10:00 am	Talk Title: PGD2 and eosinophil activation: an immunomodulatory pathway Speaker: Christianne Bandeira de Melo Institute: UFRJ	Talk Title: Natural resistance in human Schistosoma mansoni infection Speaker: Rodrigo Correa-Oliveira Institute: FIOCRUZ/MG	Talk Title: Enhanced priming of adaptive immunity by recombinant Mycobacterium smegmatis expressing a fusion protein. Speaker: Ana Paula Junqueira Kipnis Institute: UFG	Talk Title: Alloimmune Cause of Recurrent Abortion: Induction of Assymmetric IgG Protecting the Fetus. Speaker: Luiz Werber-Bandeira Institute: UFRJ/ Santa Casa da Misericórdia, RJ	
10:00 - 10:30 am	Talk Title: Helminth-allergy interface: Lessons from cross-reactivity between parasite proteins and	Talk Title: Down-modulation of the Th1 and Th2 inflammatory response in vitro by Schistosoma mansoni antigens	Talk Title: The bad side of P2X7 receptor in tuberculosis Speaker: Maria Regina D’	Talk Title: Apoptotic mimicry: studies in the mouse model and in patients with	

	environmental allergens Speaker: Helton Santiago Institute: UFMG	Speaker: Maria Ilma Araujo Institute: UFBA	Império Lima Institute: USP	leishmaniasis. Speaker: Marcello Barcinski Institute: FIOCRUZ/RJ	
10:30 - 11:00 am	Coffee Break				
11:00 - 11:30 am	Talk Title: <i>IL33</i> Gene Polymorphisms Associated with Asthma are Related with Resistance to <i>Schistosoma mansoni</i> . Speaker: Kathleen Barnes Institute: Johns Hopkins University, USA	Talk Title: Association between disseminated leishmaniasis and polymorphisms in <i>Leishmaniabraziliensis</i> strains". Speaker: Nicolaus Albert Borges Schriefer Institute: UFBA	Talk Title: Neutrophils in mycobacterial infections Speaker: Nathalie Winter Institute: INRA, France	Talk Title: Biologics and Intraocular Implants in Autoimmune Ophthalmologic Diseases. Speaker: Rubens Belfort Jr. Institute: UNIFESP	
11:30 - 12:00 pm	Talk Title: Influence of obesity on eosinophilic inflammation in asthma Speaker: Edson Antunes Institute: UNICAMP/SP	Talk Title: Determinants of Hansen's disease and reactions Speaker: Kathryn Dupnik Institute: Division of Infectious Diseases, Weill Cornell Medical College, USA	Talk Title: Different role of TNF from T-cells versus Macrophages/Neutrophils for controlling M.tuberculosis infection? Speaker: Valérie Quesniaux Institute: Université d'Orleans, CNRS-France	Talk Title: Cytokines and Chemokines in Food Allergy Speaker: Aderbal Sabra Institute: UNIGRANRIO	
12:00 - 02:00 pm	Lunch				
02:00 - 04:00 pm	RT5. T cells and Memory Chair: Maria Bellio	RT6. Migration and Inflammation in autoimmune and infectious diseases sponsored by INCT-iii- Chair: Jorge Kalil	RT7. Viral Immunity Chair: Aristobolo Mendes da Silva		
02:00 - 02:30 pm	Talk Title: CD4+ memory T cell subsets Speaker: Marc Jenkins Institute: University of Minnesota	Talk Title: Chemokine Receptors and the Biology of Effector/Memory T Cells Speaker: Joshua Farber Institute: NIH, USA	Talk Title: Inhibition of innate immunity by vaccinia virus Speaker: Geoffrey L. Smith Institute: University of Cambridge, England		
02:30 - 03:00 pm	Talk Title: Role of CD8T cells in human cutaneous leishmaniasis Speaker: Claudia Brodskyn Institute: FIOCRUZ/BA	Talk Title: The role of CXCL9 and CXCL10 in human chronic Chagas disease myocarditis Speaker: Edecio Cunha Neto Institute: INCOR/USP	Talk Title: Deciphering the Involvement of Innate and Adaptive Immunity Following Yellow Fever Vaccination		

			Speaker: Olindo Assis Martins Filho Institute: FIOCRUZ/MG		
03:00 - 03:30 pm	Talk Title: CD8+ T-cells expressing interferon gamma and perforin play antagonistic roles in heart injury in Trypanosoma cruzi-induced cardiomyopathy Speaker: Joseli Lannes-Vieira Institute: FIOCRUZ/RJ	Talk Title: Regulatory profile is associated to anti-inflammatory response in active diffuse cutaneous leishmaniasis Speaker: Valeria Borges Institute: FIOCRUZ/BA	Talk Title: CD8+T cells control replication of the AIDS virus Speaker: David Watkins Institute: University of Miami Miller School of Medicine, USA		
03:30 - 04:00 pm	Talk Title: Dysfunctional CD8T cells in chronic bacterial infection. Speaker: Gary Splitter Institute: University of Maryland	Talk Title: Chemokines and the T cell infiltrate in Rheumatic Heart Disease Speaker: Luiza Guilherme Institute: FM/USP	Talk Title: Poxvirus targeting of E3 ligase beta-TrCP by molecular mimicry: A mechanism to inhibit NF-kappaB activation and promote immune evasion and virulence Speaker: Daniel Mansur Institute: UFSC		
04:00 - 04:30 pm	Coffee-break				
04:30 - 05:30 pm	Keynote I Talk Title: Cross talk between phagocytosis and autophagy Speaker: Douglas R. Green Institute: St. Jude Children's Research Hospital, USA Chair: José Maria Mosig	Keynote II Talk Title: Mechanisms of differentiation and function of regulatory T cells. Speaker: Alexander Rudensky Institute: Sloan Kettering Institute, USA Chair: Alberto Nobrega			
05:30 - 08:00 pm	Poster session				

OCTOBER, 22 ND – 2012 SECOND DAY MONDAY					
HOUR	ROOM 1 – ST. MORITZ	ROOM 2 - ASPEN	ROOM 3 - VAIL	ROOM 4 - BARILOCHE	ROOM 5 - CHILAN
08:00 - 09:00 am	BD FLOW CYTOMETRY COURSE Talk Title: Cell Signaling - Cytokine quantification and phosphorylated proteins detection	LIFE COURSE Multiplatforms Research: When Molecular meets Cellular: Talk Title : Modulo 2 “How can Real Time PCR help you publish your data” Speaker: Gustavo Avelar			
09:00 - 12:00 pm	RT8. Innate Immunity Chair: João Santana	RT9. Mucosal Immunology Chair: Momtchilo Russo	RT10. Vaccines sponsored by INCT-V Chair: Mauricio Rodrigues		
09:00 - 09:30 am	Talk Title: Sensing and Eradicating Bacterial Pathogens in the Intestine Speaker: Gabriel Núñez Institute: University of Michigan, USA	Talk Title: Definition and function of mononuclear phagocytes in the colon Speaker: Brian Kelsall Institute: NIH	Talk Title: Identification of the Molecular Signature of TB Protective Memory CD4+ T cells induced by Mucosal vs Systemic BCG Vaccination Speaker: Daniel F. Hoft Institute: Saint Louis University		
09:30 - 10:00 am	Talk Title: Sensing and signaling infection in drosophila Speaker: Jean-Luc Imler Institute: CNRS-UPR, Institut de Biologie Moléculaire et Cellulaire, France	Talk Title: Modulation of colitis by Hsp65-producing Lactococcus lactis Speaker: Ana Caetano Faria Institute: UFMG	Talk Title: A bacterial protease inhibitor is a mucosal adjuvant Speaker: Juliana Cassataro Institute: University of Buenos Aires		
10:00 - 10:30 am	Talk Title: RNA interference: the RNA based immune system in insects and plants Speaker: João Trindade Marques Institute: UFMG	Talk Title: Maturation of innate and regulatory function during early life: impact of allergic disease Speaker: Meri Tulic Institute: The University of Western Australia, Australia	Talk Title: Immunomodulation and adjuvant effects of heat-labile toxins LT produced by enterotoxigenic Escherichia coli ETEC strains Speaker: Luís Carlos de Souza Ferreira Institute: USP		
10:30 - 11:00 am	Coffee Break				
11:00 - 11:30 am	Talk Title: The sterile	Talk Title: The gut does it:	Talk Title: A2 antigen based		

	<p>inflammatory response Speaker: Kenneth L. Rock Institute: University of Massachusetts, USA</p>	<p>extra-adrenal glucocorticoid synthesis in the intestinal mucosa and its role in the regulation of local immune homeostasis. Speaker: Thomas Brunner Institute: University of Konstanz, Germany</p>	<p>formulations: rational, update and perspectives towards an anti-amastigote vaccine for visceral leishmaniasis Speaker: Ana Paula Fernandes Institute: UFMG</p>		
11:30 - 12:00 pm	<p>Talk Title: Oxidative stress fuels Trypanosoma cruzi infection in mice: role for Nrf2/HO-1 in innate immunity Speaker: Claudia Neto Paiva Institute: UFRJ</p>	<p>Talk Title: Effect of macrophage migration inhibitory factor MIF in human placental explants infected with Toxoplasma gondii depends on gestational age. Speaker: Estela Bevilacqua Institute: USP</p>	<p>Talk Title: Importance of specific CD8+ T cell recirculation after genetic vaccination Speaker: José Ronnie Vasconcelos Institute: UNIFESP</p>		
12:00 - 02:00 pm	Lunch				
01:00 - 02:00 pm	<p>BD Conference Talk Title: BD FACSJazz – a new era in cell sorting Speaker: André Cardoso Institute: BD</p>				
02:00 - 03:30 pm	<p>RT11. Cell Death Chair: Gustavo P. Amarante-Mendes</p>	<p>RT12. Tumor Immunology Chair: João Viola</p>	<p>RT13. Veterinary Immunology Chair: Roberto Meyer</p>		
02:00 - 02:30 pm	<p>Talk Title: Interactions between apoptotic cells and the immune system. Speaker: Seamus Martin Institute: Trinity College Dublin</p>	<p>Talk Title: p63 is a suppressor of tumorigenesis and metastasis interacting with mutant p53. Speaker: : Gerry Melino Institute: University of Roma, Italy</p>	<p>Talk Title: To fight, flee or hide: the success of <i>B. abortus</i> as a chronic pathogen. Speaker: Guillermo Hernán Giambartolomei Institute: University of Buenos Aires</p>		
02:30 - 03:00 pm	<p>Talk Title: Pro-survival and pro-death roles of caspase-8 in adult life Speaker: Ricardo Weinlich Institute: St. Jude Children's Research Hospital</p>	<p>Talk Title: Oncogenic IL7R gain-of-function mutations in T-cell leukemia Speaker: José Andrés Yunes Institute: UNICAMP</p>	<p>Talk Title: Ticks: what they tell us about host skin defenses to ectoparasites Speaker: Isabel Kinney Santos Institute: FMRP/USP</p>		

03:00 - 03:30 pm	<p>Talk Title: Starving cells to death: apoptosis, necrosis and autophagy Speaker: Cristina Muñoz-Pinedo Institute: Institut d'Investigació Biomèdica de Bellvitge, Barcelona, Spain</p>	<p>Talk Title: TCR-dependent transformation of T cells in the absence of Snf5 Speaker: Miriam Werneck Institute: INCA</p>	<p>Talk Title: : Animal and human toxoplasmosis: from generation of immunological tools to disease control Speaker: José Roberto Mineo Institute: UFU</p>		
03:40 - 04:40 pm	<p>Thereza Kipnis-LFB Prize</p> <p>1. Ana Cristina Gomes Santos Hsp65-producing Lactococcus lactis prevents intestinal inflammatory disease by IL-10- and TLR2-dependent pathways</p> <p>2. Ana Carolina dos Santos Monteiro Tumor specific T cells induce pre-metastatic osteolytic bone disease and prepare the bone for colonization by mammary tumor cells</p> <p>3. Rafael Polidoro Alves Barbosa Vaccination with recombinants influenza and adenoviruses encoding amastigote surface protein-2 are highly effective on protection against trypanosoma cruzi</p>	<p>EP1.1 – CELLULAR IMMUNOLOGY (CE) AND IMMUNOPHARMACOLOGY (IP) Chair: Tiago Mineo CE050 / CE052 / CE057 / CE084 / IP024 / IP025</p>	<p>EP1.2 – CHEMOKINES AND TRAFFICKING (CT) AND TUMOR IMMUNOLOGY (TU) Chair: Maria Olivia Bacellar CT004 / CT005 / CT010 / CT011 / TU001 / TU035</p>	<p>EP1.3 – CLINICAL IMMUNOLOGY (CL) AND MOLECULAR IMMUNOLOGY (MI) Chair: Luis Carlos Crocco CL007 / CL009 / CL011 / CL 026 / CL033 / MI002 / MI028</p>	<p>EP1.4 – IMMUNOREGULATION (IR) AND INNATE IMMUNITY (IN) Chair: Denise Carmona IR014 / IR018 / IN005 / IN007 / IN035 / IN043</p>

	infection				
	<p>4. Sylvia Stella Amaral Hyper-responsiveness to extracellular ATP alters calcium handling and enhances acetaminophen-induced hepatotoxicity</p>				
04:40 - 05:10 pm	Coffee Break				
05:10 - 06:00 pm	<p>Keynote III Talk Title: Tracking the most important thing that CD4+ T cells do Speaker : Marc Jenkins Institute: University of Minnesota Medical School, USA Chair: Cristina Bonorino</p>	<p>Keynote IV Talk Title: Innate resistance, inflammation and cancer Speaker: Giorgio Trinchieri Institute: NCI, USA Chair : Adriana Bonomo</p>			
06:00 - 08:30 pm	Poster Session				

OCTOBER, 23 RD – 2012 THIRD DAY TUESDDAY					
HOUR	ROOM 1 – ST. MORITZ	ROOM 2 - ASPEN	ROOM 3 - VAIL	ROOM 4 - BARILOCHE	ROOM 5 - CHILAN
08:00 - 09:00 am	<p>BD FLOW CYTOMETRY COURSE Talk Title: Cell Life and Death - Viability, Proliferation,</p>				

	Apoptosis and Cell Cycle				
09:00 - 12:00 pm	RT14. Inflammasomes Chair: Karina Bortoluci	RT15. Immunoparasitology Chair: Julio Scharfstein	RT16. Immunoregulation Chair: Lúcia Helena Faccioli		
09:00 - 09:30 am	Talk Title: Regulators of Inflammatory Responses Speaker: Thirumala-Devi Kanneganti Institute: St Jude Children's Research Hospital, TN USA	Talk Title: Filarial infections exert bystander controls on human intracellular pathogens Speaker: Thomas Nutman Institute: NIH, USA	Talk Title: Natural and Adaptive Foxp3+ Regulatory T cells. Speaker: Juan Lafaille Institute: New York University School of Medicine, New York, USA		
09:30 - 10:00 am	Talk Title: Mechanisms associated to NLRP3 inflammasome activation and leukocyte recruitment in gouty arthritis Speaker: Flávio Almeida Amaral Institute: UFMG	Talk Title: SOCS2 and Infectious Disease: Suppressor or Not Speaker: Fabiana S. Machado Institute: UFMG	Talk Title: Functionnal links between endocannabinoids and eicosanoids in the regulation of neutrophil and eosinophil functions Speaker: Nicolas Flammand Institute: Uniersité Laval, Canada		
10:00 - 10:30 am	Talk Title: Lethal inflammasome activation by a multi-drug resistant pathobiont upon antibiotic disruption of the microbiota Speaker: Janelle Ayres Institute: UC Berkeley	Talk Title: Leishmaniasis: complexity at the host-pathogen interface. Speaker: Phillip Andrew Scott Institute: University of Pennsylvania, USA	Talk Title: Functional Immunosialome from Hematophagous Arthropods Speaker: Anderson de Sá-Nunes Institute: USP		
10:30 - 11:00 am	Coffee Break				
11:00 - 11:30 am	Talk Title: Canonical and non-canonical inflammasomes in host resistance to intracellular pathogens Speaker: Dario Zamboni Institute: USP	Talk Title: <i>Leishmania</i> infection in mice lacking the TNF receptor 1: a model for mucocutaneous leishmaniasis? Speaker: Leda Vieira Institute: UFMG	Talk Title: Immunoregulatory properties of mesenchymal stem cells. Speaker: Niels Olsen Saraiva Camara Institute: USP		
11:30 - 12:00 pm	Talk Title: Linking inflammasome activation to CD1 lipid presentation Speaker: Kelly Magalhães Institute: UnB	Talk Title: Understanding <i>S. mansoni</i> schistosomula tegument interaction with host immune system Speaker: Cristina Toscano Fonseca Institute: FIOCRUZ/MG	Talk Title: M2 type macrophages at the interface of innate and adaptive immune dysfunction in sepsis Speaker: Jose Carlos Faria Alves Filho Institute: USP/FMRP		
12:00 - 02:00 pm	Lunch				

01:00 - 02:00 pm	IMMUNOLOGY TEACHING COMMITTEE	LIFE TECHNOLOGIES Technical Lecture Talk Title: Attune Acoustic Focusing Cytometer: Precision and Sensitivity at All Speeds" Speaker: Eduardo Infante	INOPAT CONFERENCE Talk Title: Mononuclear phagocytes and immunopathology in Leishmania braziliensis infection Speaker: Lucas Carvalho Institute: UFBA		
02:00 - 03:00 pm	SBI General Assembly		MERCK MILLIPORE CONFERENCE Talk Title: Measuring immune function with Imaging Cytometry Institute: Merck Millipore		
03:10 - 04:40 pm	BD Prize 6 talks 15 min	EP2.1 - IMMUNOLOGY OF INFECTIOUS AND PARASITIC DISEASES (ID) Chair: Amelia Maria de Jesus ID019 / ID026 / ID034 / ID047 / ID060 / ID080 / ID084 / ID086 / ID123	EP2.2 - IMMUNOLOGY OF INFECTIOUS AND PARASITIC DISEASES (ID) Chair: Songeli Freire ID127 / ID131 / ID141 / ID158 / ID159 / ID170 / ID173 / ID174	EP2.3 - CLINICAL IMMUNOLOGY (CL) AND VACCINES (VC) Chair: Ricardo Gonçalves CL038 / CL039 / CL050 / CL054 / CL058 / VC010 / VC014 / VC020 / VC026	EP2.4 - INNATE IMMUNITY (IN) / TRANSPLANTATION AND IMMUNOGENETICS (TR) AND IMMUNOREGULATION (IR) Chair: Gustavo Menezes IN047 / IN059 / IN066/ IN075 / TR002 / TR004 / TR015 / IR025 / IR060 / IR063
04:40 - 05:00 pm	Coffee-break				
05:00 - 06:00 pm	Keynote V Talk Title: Inflammasomes in health and disease Speaker: Richard Flavell Institute: Yale University Chair : Marcelo Bozza	Keynote VI Talk Title: Immuno-modulation of type 1 diabetes by HSP60: results from phase III clinical trial using p277 HSP60 Speaker: Irun Cohen Institute: Weizmann Institute of Science, Rehovot, Israel Chair: Verônica Coelho			
6:00 – 8:30pm	Poster Session				

OCTOBER, 24 TH – 2012					
FORTH DAY – WEDNESDAY					
HOUR	ROOM 1 – ST. MORITZ	ROOM 2 - ASPEN	ROOM 3 - VAIL	ROOM 4 - BARILOCHE	ROOM 5 - CHILAN
08:00 - 09:00 am	BD FLOW CYTOMETRY COURSE Talk Title: Optimizing Analysis - Discussion about analysis software and experimental control	LIFE COURSE Multiplatforms Research: When Molecular meets Cellular: Talk Title: Modulo 3 “Multiplexing your Cytokine Analysis” Speaker: Claudia Pantaleão			
09:00 - 12:00 pm	RT17. Bacterial Infections Chair: Lis Antonelli	RT18. Neuroimmunology Chair: Roque Pacheco	RT19. Immunodeficiency and Autoimmunity Chair: Osvaldo Sant’Anna		
09:00 - 09:30 am	Talk Title: Stress granules and bacterial infections Speaker: Leticia Carneiro Institute: UFRJ	Talk Title: Low Tregs are associated with higher levels of Th1/Th17 cytokines and activated MAPK in type 1 bipolar disorder Speaker: Moises Bauer Institute: PUC-RS	Talk Title: Molecular defects in common variable immunodeficiency Speaker: Luiz Vicente Rizzo Institute: Albert Einstein Hospital, SP		
09:30 - 10:00 am	Talk Title: Cytokine profile in Severe Leptospirose Speaker: Mitermayer G. dos Reis Institute: FIOCRUZ/BA	Talk Title: Neurotrophins and Neuropeptides promote opposite effects on HIV-1 replication in human primary macrophages Speaker: Dumith Chequer Bou-Habib Institute: FIOCRUZ/RJ	Talk Title: Interface between autoimmunity and primary immunodeficiencies Speaker: Magda Sampaio Carneiro Institute: USP		
10:00 - 10:30 am	Talk Title: Increased protection against Tuberculosis by recombinant BCG expressing LTA-K63 Speaker: Luciana Leite Institute: Butantan/SP	Talk Title: Inflammation and cognition: clinical evidence and putative mechanisms Speaker: Antonio Lucio Teixeira Institute: UFMG	Talk Title: Mechanisms underlying susceptibility to infection in diabetes Speaker: Fernando Spiller Institute: UFSC		
10:30 - 11:00 am	Coffee Break				

<p>11:00 - 12:00 pm</p>	<p>Keynote Speaker VII Talk Title: Intracellular DNA sensors in innate immunity and inflammatory disease Speaker: Glen N. Barber Institute: University of Miami, USA Chair: Boris Vargaftig</p>	<p>Keynote Speaker VIII Talk Title: New Insights into MHC class I antigen presentation Speaker: Kenneth L. Rock Institute: University of Massachusetts, USA Chair : Fernando Cunha</p>			
<p>12:00 - 13:00 pm</p>	<p>Awards and Closing Remarks</p>				

Organization



info@sbicongressos.com
PABX: 55 16 3967.1003