

mucosal immuno2017

XLII Congress of the
Brazilian Society of Immunology
X Extra Section of Clinical Immunology

mucosal immunology

October 2-6

Hotel Deville Prime
Salvador, BA, Brazil

Official Program

Realization

SBI 
Sociedade Brasileira de Imunologia

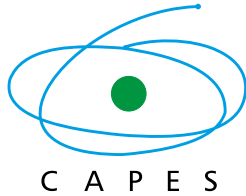
Realization



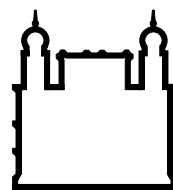
Congress
Secretariat



Support



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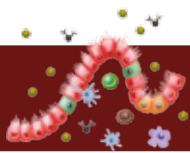
CHEGOU O NOVO YAKULT 40 LIGHT

- APENAS 30 CALORIAS
- POSSUI 40 BILHÕES DE LACTOBACILLUS CASEI SHIROTA
- REDUÇÃO DE 41% DO VALOR ENERGÉTICO*

Saúde Global em Harmonia

Yakult

*em relação ao leite fermentado Yakult convencional



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Sérgio Costa (UFMG)
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Verônica Coelho (INCOR-USP)

International

Allan Mowat (University of Glasgow, Glasgow, Scotland)
Brian Kelsall (National Institutes of Health, Bethesda, USA)
Daniel Mucida (The Rockefeller University, New York, USA)
Kevin Maloy (Oxford University, Oxford, England)
Rafael Rezende (Harvard Medical School, Boston, USA)
Valerie Verhasselt (Nice, France)

Latin American Mucosal Immunology Group (LAMIG)

Fernando Chirido (Argentina)

ABSTRACT EVALUATION COMMITTEE

João Marques Trindade (UFMG) - Chair

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GENERAL INFORMATION

SECRETARIAT

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

DATE	TIME
October 02	From 8am to 6:30pm
October 03	From 7am to 6pm
October 04	From 8am to 6pm
October 05	From 8am to 6pm
October 06	From 9am to 1pm

BADGE

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

CERTIFICATES OF ATTENDANCE

Will be available online at the congress website (<http://sbicongressos.com/immuno2017/>) up to 15 days after the event.

EXHIBITION DATE TIME

DATE	TIME
October 03	From 9am until 7pm
October 04	From 9am until 7pm
October 05	From 9am until 7pm

Additional badges will be charged at a cost of R\$100,00 for Exhibitors.

MEDIA DESK

The presentation material of the speakers must be delivered 2(two) hours prior to their talk to allow us to provide, good assistance and proper organization in the AV system. The schedule will be the same as the secretariat.

DATE	TIME
October 02	From 2pm to 7pm
October 03	From 7am to 7:30pm
October 04	From 7am to 7:30pm
October 05	From 7am to 7:30pm
October 06	From 9am to 1pm

SIMULTANEOUS TRANSLATION

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

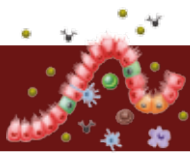
TRAVEL AGENCY

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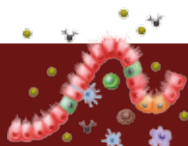
Grupo GT5 Brazil
Rua Senador Theotônio Vilela, 190.
Empresarial Convention Center.
Cidade - Salvador-BA
CEP: 40279-901
www.gt5.com.br





FOREIGN SPEAKERS

-  Allan Mowat - University of Glasgow, Scotland
-  Angelina Bilate - The Rockefeller University, New York, USA
-  Bana Jabri - University of Chicago, Chicago, USA
-  Bénédicte Manoury, Hôpital Necker, Paris, France
-  Brian Kelsall - National Institutes of Health, Bethesda, USA
-  Daniel Mucida - The Rockefeller University, New York, USA
-  Daria Esterhazy - The Rockefeller University, New York, USA
-  David Artis - Cornell University, New York, USA
-  Fernando Chirido - Universidad Nacional de La Plata, La Plata, Argentina
-  Gabriel Victora - The Rockefeller University, New York, USA
-  Gláucia Furtado - Mount Sinai Medical Center, New York, USA
-  Guillaume Darrasse-Jèze, Hôpital Necker, Paris, France.
-  Guillermo Docena - Universidad Nacional de La Plata, La Plata, Argentina
-  Gwenael Jan - INRA-Agrocampus Ouest Rennes, Rennes, France
-  Jose Alejandro Chabalgoity - Universidad de la Republica, Montevideo, Uruguay
-  Juan Lafaille - New York University, New York, USA
-  Kenneth Rock - University of Massachusetts, Boston, USA
-  Kathleen McCoy - University of Calgary, Calgary, Canada
-  Kevin Maloy - Oxford University, Oxford, England
-  Laura Mackay - The University of Melbourne, Australia
-  Laszlo Nagy - University of Miami, Miami, USA
-  Leticia Moreno-Fierros - Universidad Nacional Autonoma, Mexico, México
-  Lora Hooper - University of Texas South Western, Dallas, USA
-  Manuel Franco - Pontificia Universidad Javeriana, Bogotá, Colombia
-  Marcela Hermoso - Universidad de Chile, Santiago, Chile
-  Marc Veldhoen - Universidade de Lisboa, Portugal
-  Maria Curotto-Lafaille - New York University, New York, USA
-  Martin Rumbo - Universidad Nacional de La Plata. La Plata, Argentina

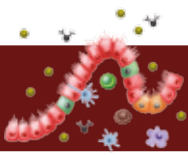


-  Michel Nussenzweig - The Rockefeller University, New York, USA
-  Miguel Soares - Instituto Gulbenkian de Ciência, Oeiras, Portugal
-  Oliver Pabst - RWTH Aachen University, Hannover Germany
-  Patrizia Brigidi - Università di Bologna, Italy
-  Phillip Hansbro - University of Newcastle, Newcastle, Australia
-  Philippe Langella - French National Institute for Agricultural Research, Jouy Josas, France
-  Richard Flavell - Yale University, New Haven, USA
-  Russel Vance - University of California, Berkeley, USA
-  Saurabh Mehamdru - Mount Sinai Medical Center, New York, USA
-  Sérgio Lira - Mount Sinai Medical Center, New York, USA
-  Shaden Kamhawi - National Institutes of Health, Bethesda, USA
-  Thais Garcias Moreira - Harvard Medical School, Boston, USA
-  Thomaz Brunner, University of Konstanz, Denmark
-  Willian Agace - Technical University of Denmark, Denmark
-  Yasmine Belkaid - National Institutes of Health, Bethesda, USA

BRAZILIAN SPEAKERS



- Albert Schriefer - UFBA, BA
- Alessandra Filardy - UFRJ, RJ
- Alexandre Reis, UFOP, MG
- Ana Cristina Gomes Santos - UNA, MG
- Ana Maria Caetano Faria - UFMG, MG
- Ana Paula Lepique - USP, SP
- André Vale - UFRJ, RJ
- Angélica Thomaz - UFMG, MG
- Bruno Andrade - FIOCRUZ, BA
- Camila I. de Oliveira - FIOCRUZ, BA
- Cristina Bonorino - PUCRS, RS
- Dario Zamboni - USP/RP, SP
- Denise Carmona Cara - UFMG, MG
- Edgar Carvalho - UFBA, BA
- Gilberto Castro - Hospital Sírio, Libanês, SP
- Helder Nakaya - USP, SP
- Helton Santiago - UFMG, MG
- José Carlos Alves Filho - USP/RP, SP
- Juciane Castro - UFJF, MG
- Kelly Grace Magalhães - UnB, DF
- Kenneth Gollob - Hospital AC Camargo Cancer Center, SP
- Lucas Carvalho - FIOCRUZ-BA, UFBA, BA
- Lucia Helena Faccioli - USP/RP, SP
- Luiz Goulart - UFU, Uberlândia, MG
- Mariléia Andrade - UNIMONTES, MG
- Momtchillo Russo - ICB-USP, SP
- Patricia Bozza - FIOCRUZ-RJ, RJ
- Patricia Veras - FIOCRUZ-BA, BA
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- Remo Russo - UFMG, MG
- Selma Jerônimo - UFRN, RN
- Sérgio Costa Oliveira - UFMG, MG
- Tatiani Uceli Maioli - UFMG, MG
- Viviane Boaventura Oliveira - FIOCRUZ-BA, BA
- Walderez O. Dutra - UFMG, MG



SCIENTIFIC PROGRAM

Monday - October, 02th

ITAPUÃ

18:30 - 19:00pm **OPENING CEREMONY**

19:00 - 19:50pm

Keynote Lecture: Virus infection triggers inflammatory responses to dietary antigens and development of celiac disease.

Speaker: Bana Jabri -University of Chicago, Chicago, IL, USA

Chair: Gustavo Amarante-Mendes, USP, São Paulo, SP, Brazil

19:50 - 20:40pm

Keynote Lecture: Homeostatic immunity to the microbiota.

Speaker: Yasmine Belkaid, National Institutes of Health, Bethesda, USA

Chair: Denise Fonseca, Universidade de São Paulo, SP, Brazil

20:40 - 23:00 pm **Cocktail**

Tuesday - October, 03rd

ITAPARICA

08:00 - 09:00am

SECTION 1 - Curso BD

Desafios para criação do painel multicolor e as mais recentes inovações para vencê-los.

GABRIELA CRAVO E CANELA

08:00 - 09:00am

SECTION 3

Meeting of the Latin American Mucosal Immunology Group (LAMIG)

Chair: Fernando Chirido, Universidad de La Plata, Argentina

ITAPUÃ

09:30 - 10:15am

The maternal microbiota drives early post natal innate immune development

Speaker: Kathleen McCoy, University of Calgary, Canada.

Chair: Verônica Coelho, USP, São Paulo, SP, Brazil

10:15 - 11:00am

The Mucosal Immune System and Its Regulation by Autophagy

Speaker: Kevin Maloy - Oxford University, Oxford, UK

Chair: Lis Antonelli, Centro de Pesquisa Rene Rachou, FIOCRUZ-MG, Brazil

11:00 - 11:30am **Coffee Break**



11:30 - 12:15pm

Tissue-resident memory T cells: local specialists in immune defense

Speaker: Laura Mackay, University of Melbourne, Australia

Chair: Fabiana Machado, UFMG, Brazil

12:15 - 13:00pm Lunch

TIETA DO AGRESTE

13:00 - 16:00pm

BD Award Presentations

ITAPUÃ I

14:00 - 16:00pm

SYMPOSIUM 1

Dietary Components and their immunological effects

Chair: Juliana Zuliani, UFPA, Fundação Oswaldo Cruz - RO, Brazil

Maintaining intestinal tissue-resident T cells

Speaker: Marc Veldhoen - Universidade de Lisboa, Portugal

Lipid receptor PPAR γ and Metabolic Diseases

Speaker: Laszlo Nagy, Sanford Burnham Prebys Medical Discovery Institute, Orlando, FL USA

Innate immune response in the gut driven by a wheat peptide

Speaker: Fernando Chirido, National Universidad de La Plata, Argentina

The interplay between diet and gut microbiota in the host

Speaker: Angélica Thomaz Vieira, UFMG, Brazil

ITAPUÃ II

14:00 - 16:00pm

SYMPOSIUM 2

Mucosal Regulatory cells

Chair: Gustavo Menezes, UFMG, Brazil

Generation of natural regulatory T cells and antigen presentation

Speaker: Juan Lafaille, New York University, NY, USA

Microbiota-dependent differentiation of distinct intestinal T cell subsets from a clonal precursor

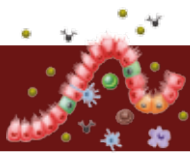
Speaker: Angelina Bilate, Rockefeller University, New York, USA

Regulation of endosomal TLRs trafficking and signaling in dendritic cells

Speaker: Bénédicte Manoury, Hôpital Necker, Paris, France

Regulatory T cells and macrophages induced by lipids via PPAR-gamma signaling.

Speaker: Thais Garcias Moreira, Harvard Medical School, Boston, MA, USA



ITAPUÃ III

14:00 - 16:00pm

SYMPOSIUM 3

Probiotics and gut inflammatory diseases (LAMIG Symposium)

Chair: Leopoldo Argumedo, Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional, Mexico City, Mexico

A Type 2 signature delineates the inflammatory colonic infiltrate in food allergic patients: New face of an old disease?

Speaker: Guillermo Docena, National Universidad La Plata, Argentina

The IL-33/ST2 axis: role in health and disease.

Speaker: Marcella Hermoso - Universidad de Chile, Santiago, Chile

Small bowel transplantation. Dynamics and cellular events leading to graft rejection in animal models and in the clinical setting.

Speaker: Martin Rumbo, Universidad de La Plata, La Plata, Argentina

Our gut microbiota as a source of next generation probiotics to prevent and to treat human diseases

Speaker: Phillipe Langella, Micalis Institute, INRA, Jouy en Josas, France

ITAPARICA

14:00 - 16:00pm

SYMPOSIUM 4

Mucosal Virus Infection

Chair: Valéria Borges, FIOCRUZ-BA, Brazil

Mucosal immunity of influenza and pneumococcal co-infection.

Speaker: Helder Nakaya, USP, Brazil

Immune response in Chikungunya Virus infection

Speaker: Viviane Boaventura, FIOCRUZ-BA, Brazil

Protection Induced by a heterologous rotavirus vaccine in neonatal mice

Speaker: Manuel Franco, Pontificia Universidad Javeriana, Bogota, Colombia.

Specific IgA-reactive L1 mimotope of HPV and its theranostic application

Speaker: Luiz Goulart, UFU, Brazil

TENDA DOS MILAGRES

14:00 - 17:00pm

Oral presentations – Thereza Kipnis Award

16:00 - 16:30am Coffee Break

TEREZA BATISTA

16:30 - 18:00pm Express Presentation 1

Chair: Remo Russo, Universidade Federal de Minas Gerais, MG, Brazil

GABRIELA CRAVO E CANELA

16:30 - 18:00pm Express Presentation 2

Chair: Daniel Mansur, Universidade Federal de Santa Catarina, SC, Brazil

TIETA DO AGRESTE

16:30 - 18:00pm Express Presentation 3

Chair: Bernardo Sgarbi Reis, Rockefeller University, NY, USA



ITAPARICA

16:30 - 18:00pm Express Presentation 4

Chair: Vasco Azevedo, UFMG, Brazil

ITAPUÃ

18:00 - 18:45pm

Innate lymphoid cells as regulators of immunity, inflammation and tissue homeostasis.

Speaker: David Artis, Cornell University, New York, USA

Chair: André Báfica, UFSC, SC, Brazil

18:45 - 19:30pm

Lipid Droplets Functions in Inflammation, Immunity and Cancer

Speaker: Patrícia Bozza, FIOCRUZ - RJ, Brazil

Chair: Anna Carla Goldberg, Hospital Einstein, São Paulo, SP, Brazil

19:30 - 21:30pm 2nd Floor Hall

Poster Section and Happy Hour

21:30pm Dinner

Wednesday - October, 04th

ITAPARICA

08:00 - 09:00am

SECTION 1 - Curso BD

Controles da citometria de fluxo: Como garantir a acurácia do seus resultados e explorar as ferramentas de análise.

TEREZA BATISTA

08:00 - 09:00am

SECTION 2

Education in Immunology (Imunologia nas Escolas)

Chair: Verônica Coelho, USP, São Paulo, SP, Brazil

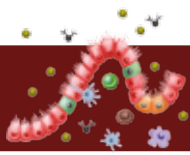
TIETA DO AGRESTE

08:30 - 09:30 am

SECTION 3 - Symposium THERMO FISHER

Detection of HIV RNA Expression in Primary Samples by PrimeFlow Cytometry

Speaker: Christopher Baker, University of California, USA.



GABRIELA CRAVO E CANELA

08:00 - 09:00am

SECTION 4 - Symposium BECKMAN COULTER

New strategies for the detection of leukocyte-derived microvesicles by fluorescence sensitive flow cytometry

Speaker: Mr Stéphane Robert, AMUTICYT Flow Cytometry Core Facility, Vascular Research Center of Marseille Research Lab, Pharmacy Faculty, Marseille, France

ITAPUÃ

09:30 - 10:15am

The gut microbiome: a master regulator of metabolism

Speaker: Lora Hooper University of Texas Southwestern, TX, USA
Chair: Leda Quercia Vieira, UFMG, Brazil

10:15 - 11:00am

Heterogeneity and function of intestinal dendritic cell subsets

Speaker: William Agace, Lund University, Lund, Denmark
Chair: Julio Scharfstein, UFRJ, Brazil

11:00 - 11:30am Coffee Break

11:30 - 12:15pm

Inflammation in the Pathogenesis of Disseminated Leishmaniasis

Speaker: Edgar Carvalho, FIOCRUZ-BA, Brazil
Chair: João Viola, INCA-RJ, Brazil

12:15 - 14:00pm Lunch

TENDA DOS MILAGRES

12:30 - 14:00pm SBI Assembly

ITAPUÃ I

14:00 - 16:00pm

SYMPOSIUM 5

Immunology of the Lung

Chair: Esper Kallas, USP, Brazil

Protective immunity at the airways

Speaker: Jose Alejandro Chabalgoity, Universidad de Montevideo, Uruguay

Lung Dendritic Cells

Speaker: Saurab Mehandru, Mount Sinai Medical Center, New York, USA

Impact of HIV infection on TB-driven systemic inflammation

Speaker: Bruno Bezerril Andrade, FIOCRUZ-BA, Brazil

Identifying and neutralizing RSV mechanisms that promote inflammation and prevent protective memory in the host.

Speaker: Cristina Bonorino, Pontifícia Universidade Católica do Rio Grande do Sul, Porto Alegre, RS, Brazil



ITAPUÃ II

14:00 - 16:00pm

SYMPOSIUM 6

Inflammatory mediators in immune regulation

Chair: Luara Santos, FIOCRUZ-MG, Belo Horizonte, MG, Brazil

Molecular mechanisms involved in the pathogenesis of sepsis-induced long-term immunosuppression

Speaker: José Carlos Alves Filho, USP, Ribeirão Preto, SP, Brazil

New insights on the role of IL-23 in mucosal inflammation

Speaker: Sérgio Lira, Mount Sinai Medical Center, New York, NY, USA

Eicosanoids and inflammasome in pulmonary inflammation

Speaker: Lucia Helena Faccioli, USP, Ribeirão Preto, SP, Brazil

The iron age of host microbe interactions

Speaker: Miguel Soares, Instituto Gulbenkian de Ciência, Oeiras, Portugal.

ITAPUÃ III

14:00 - 16:00pm

SYMPOSIUM 7

Mucosal Tumors

Chair: Luiz Fernando Reis, Hospital Sírio Libanês, SP

Co-Chair: Adriana Bonomo, FIOCRUZ - RJ, Brazil

Immunotherapy in lung cancer

Speaker: Gilberto Castro Hospital Sírio-Libanês, SP, Brazil

IRF-1 and macrophages in tumor immunity

Speaker: Ana Paula Lepique, USP, Brazil

The paradoxical role of FLT3-L in mucosal and anti-tumor immune responses

Speaker: Guillaume Darrasse-Jèze, Hôpital Necker, Paris, France.

Influence of gut microbiota in breast cancer

Speaker: Kelly Grace Magalhães, UnB, Brazil

ITAPARICA

14:00 - 16:00pm

SYMPOSIUM 8

Basic Mechanisms of Mucosal Homeostasis

Chair: Alexandre Basso, USP, São Paulo, SP, Brazil.

Role of the DNA sensor STING in mucosal homeostasis

Speaker: Ana M C Faria, UFMG, Brazil

Functional regulation of mucosal macrophages

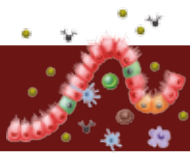
Speaker: Alessandra Filardy, UFRJ, Brazil

Monitoring cell-cell interactions in vivo

Speaker: Gabriel Victora, Rockefeller University, New York, USA

Extra-adrenal glucocorticoid synthesis in the intestinal mucosa and the skin: implications for local immune homeostasis

Speaker: Thomaz Brunner, University of Konstanz, Denmark



TENDA DOS MILAGRES

14:00 - 16:00pm

SYMPOSIUM 9

Infectious Diseases (Sponsored by INCT-Doenças Tropicais)

Chair: Rodrigo Correa Oliveira, FIOCRUZ-MG, Brazil

Co-Chair: Olivia Bacellar, UFBA, Brazil

Differential immunomodulation of human monocytes via infection with *Leishmania infantum* vs. *Leishmania braziliensis*

Speaker: Kenneth Gollob, AC Camargo Cancer Center - SP, Brazil

Mononuclear phagocyte-derived IL-1b is associated with immunopathology in *Leishmania braziliensis* infection

Speaker: Lucas Carvalho, FIOCRUZ-BA, UFBA, Brazil

17-AAG seems to induce incidental *Leishmania* death by abnormal activation of the autophagic pathway

Speaker: Patricia Veras, FIOCRUZ-BA, Brazil

LLbMPL a therapeutic vaccine for canine visceral leishmaniasis.

Speaker: Alexandre Reis, UFOP, Brazil

Leishmania braziliensis polymorphism influences human disease outcome

Speaker: Albert Schriefer, UFBA, Brazil

16:00 - 16:30pm Coffee Break

TEREZA BATISTA

16:30 - 18:00pm Express Presentation 1

Chair: Cláudia Rocha Carvalho, UFMG, Brazil

GABRIELA CRAVO E CANELA

16:30 - 18:00pm Express Presentation 2

Chair: Roque Pacheco Almeida, UFSE, Brazil

TIETA DO AGRESTE

16:30 - 18:00pm Express Presentation 3

Chair: André Vale, UFRJ, Brazil

ITAPARICA

16:30 - 18:00pm Express Presentation 4

Chair: Maria Bellio, UFRJ, Brazil

ITAPUÃ

18:00 - 18:45pm

Tissue specific control of intestinal macrophage and dendritic cell differentiation

Speaker: Allan Mowat, University of Glasgow, Scotland

Chair: Marcello Barcinski, FIOCRUZ-RJ, Brazil

18:45 - 19:30pm

Regulation of cytokine production by intestinal mononuclear phagocytes

Speaker: Brian Kelsall, National Institutes of Health (NIH), Bethesda, USA

Chair: João Trindade Marques, UFMG, Brazil

19:30 - 21:30pm 2nd Floor Hall

Poster Section and Happy Hour

21:30pm Dinner



Thursday - October, 05th

ITAPARICA

08:00 - 09:00am

SECTION 1 - Curso BD

Descubra como o uso de mais parâmetros e o isolamento celular podem expandir os horizontes dos seus estudos da imunidade inata e adaptativa.

ITAPUÃ

09:30 - 10:15am

Progress toward active or passive HIV-1 vaccination

Speaker: Michel Nussenzweig Rockefeller University, NY, USA

Chair: João Santana, USP-RP, Brazil

10:15 - 11:00am

Regulation of Immunity and Inflammation at the Epithelial-Mesenchymal Mucosal Barriers.

Speaker: Richard Flavell, Yale University, New Haven, USA

Chair: Fernando Cunha, USP-RP, Brazil

11:00 - 11:30am Coffee Break

11:30 - 12:15pm

The gut microbiota as an emerging target for a healthy ageing

Speaker: Patrizia Brigidi, Università di Bologna, Bologna, Italy

Chair: Karina Bortolucci, UNIFESP, Brazil

12:15 - 14:00pm Lunch

TENDA DOS MILAGRES

14:00 - 15:30pm

Satellite Symposium - BD

Inovação Constante em Análise Celular. As novas tecnologias e possibilidades em citometria de fluxo

ITAPUÃ I

14:00 - 16:00pm

SYMPOSIUM 10

Inflammation and infection at mucosal sites

Chair: Camila Figueiredo, UFBA, Brazil

Immune response in experimental cutaneous leishmaniasis

Speaker: Camila Indiani de Oliveira, FIOCRUZ-BA, Brazil

Schistosoma mansoni SmKI-1 serine protease inhibitor binds to elastase and impairs neutrophil function and liver and lung inflammation

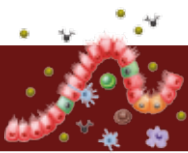
Speaker: Sérgio Costa Oliveira, UFMG, Brazil

Inflammasome activation at mucosal surfaces by pathogens

Speaker: Russel Vance, University of California, Berkeley, CA, USA

Inflammasomes in innate immune response to *Legionella pneumophila*

Speaker: Dario Zamboni, USP, Brazil



ITAPUÃ II

14:00 - 16:00pm

SYMPOSIUM 11

Mucosal Infections

Chair: Amélia Ribeiro, UFS, Brazil

Protective role of proteasomes in infectious diseases.

Speaker: Kenneth Rock, University of Massachusetts, Boston, MA, USA

Gene analysis of *Leishmania infantum* infection in Brazil.

Speaker: Selma Jerônimo, UFRN, Brazil

T cell subsets in human Chagas Disease

Speaker: Walderez O. Dutra, UFMG, Brazil

Action mechanism in mammalian cells of *Bacillus thuringiensis* Cry1Ac protoxin: an effective mucosal adjuvant

Speaker: Leticia Moreno-Fierros, Universidad Nacional Autonoma, Mexico

ITAPUÃ III

14:00 - 16:00pm

SYMPOSIUM 12

Allergic mucosal diseases

Chair: Marcos Grisotto, UFMA, Brazil

Specific immunotherapy in experimental asthma

Speaker: Momtchilo Russo, USP, Brazil

Effects of antibiotics in asthma presentation

Speaker: Helton Santiago, UFMG, Brazil

Microbiome and inflammasomes on health and disease in asthma

Speaker: Phillip Hansbro, University of Newcastle, Australia

B cell differentiation in allergic responses

Speaker: Maria Curotto Lafaille, New York University, EUA

ITAPARICA

14:00 - 16:00pm

SYMPOSIUM 13

Gut mucosa homeostasis

Chair: Daniel Mansur, Universidade Federal de Santa Catarina, SC, Brazil

Immune homeostasis via compartmentalized gut lymph node drainage

Speaker: Daria Esterhazy, Rockefeller University, NY, USA

Insights in the role of IL-23 in neonates

Speaker: Gláucia Furtado, Mount Sinai, New York, USA

Combining immunomodulatory and starter abilities of lactic acid and propionic acid bacteria to develop anti-inflammatory fermented products for IBD

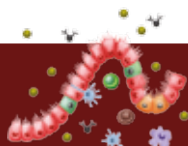
Speaker: Gwénaél Jan, INRA-STLO Agrocampus Ouest Rennes, France

16:00 - 16:30am Coffee Break

TEREZA BATISTA

16:30 - 18:00pm Express Presentation 1

Chair: Rafael Pires Oliveira, Instituto Federal do Paraná, Palmas, PR, Brazil.



GABRIELA CRAVO E CANELA

16:30 - 18:00pm Express Presentation 2

Chair: Natália Tavares, Centro de Pesquisa Gonçalo Moniz, FIOCRUZ-BA, Salvador, BA, Brazil

TIETA DO AGRESTE

16:30 - 18:00pm Express Presentation 3

Chair: Joana Ferreira Amaral, UFOP, Brazil

ITAPARICA

16:30 - 18:00pm Express Presentation 4

Chair: Juciane Castro, UFJF, Brazil

ITAPUÃ

18:00 - 18:45pm

Tissue Adaptation - implications for gut immunity and tolerance

Speaker: Daniel Mucida, Rockefeller University, NY, USA

Chair: Marcelo Bozza, UFRJ, Brazil

18:45 - 19:30pm

Shaping lymphocyte repertoires by gut microbiota

Speaker: Oliver Pabst, Hannover Medical School, Germany

Chair: Tatiani Maioli, UFMG, Brazil

19:30 - 21:30pm 2nd Floor Hall

Poster Section and Happy Hour

21:30pm Dinner

Friday - October, 06th

TEREZA BATISTA

09:30 - 10:15am

Gut residing microbiota and flies are egested during infected bites triggering an acute inflammatory response critical to Leishmania dissemination.

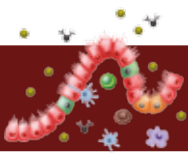
Speaker: Shaden Kamhawi, National Institutes of Health (NIH), Bethesda, USA

Chair: Claudia Brodskyn, FIOCRUZ-BA, Brazil

10:15 - 12:30am

Award Presentation

Closing Ceremony



SCIENTIFIC PAPERS

OCTOBER 03rd

CELLULAR IMMUNOLOGY (CE)

CE-001

A BRAIN-LIVER CIRCUIT MODULATES RESIDENT MACROPHAGES ACTIVITY IN THE LIVER

Roberta Cristelli Fonseca

Lorena Barreto Rosa, Isabella Damaris Passos Souza, Gabriel Shimizu Bassi, Bruna Araújo David, Maísa Mota Antunes, Maria Alice Lopes, Ariane Barros Diniz, Leandro Barbosa Prado, Lucíola Silva Barcelos, Sílvia Guatimosim, Gustavo Batista Menezes, André Gustavo Oliveira

CE-002

A NOVEL OVALBUMIN (OVA)-MODEL OF TH17 ASSOCIATED AIRWAY NEUTROPHILIA

Juliana Bortolatto

Esther Florsheim; Eliane Gomes; Eliana Faqui-Mauro; Juliana Bortolatto; Erica Borducchi; Lucas Faustino; Momtchilo Russo

CE-003

ADIPOSE TISSUE REMODELING POST ACUTE INFECTION DRIVES THE DEVELOPMENT OF NON-CANONICAL METABOLIC SYNDROME

Denise M. Fonseca

Vinicius Andrade Oliveira 2; Angela Castoldi 3; Flavio Loures; Momtchilo Russo 3; Yasmine Belkaid 2; Mirian Krystel de Siqueira 1; Ricardo Wesley Alberca Custódio 3; Fernanda Fernandes Terra 3; Luciano Ribeiro Filgueiras 3; Niels Olsen Saraiva Câmara 3; Denise Morais da Fonseca 1,3

CE-004

ADIPOSE TISSUE REMODELING POST ACUTE INFECTION DRIVES THE DEVELOPMENT OF NON-CANONICAL METABOLIC SYNDROME

Mirian Krystel de Siqueira

Fernanda Fernandes Terra; Luciano Ribeiro Filgueira; Niels Olsen Saraiva Câmara; Denise Morais da Fonseca; Mirian Krystel de Siqueira; Ricardo Wesley Alberca Custódio; Angela Castoldi; Flavio Loures; Momtchilo Russo; Yasmine Belkaid; Vinicius Andrade Oliveira

CE-005

ADMINISTRATION OF INTERLEUKIN-21 TO IMPROVE IMMUNE RESPONSE IN HERPES SIMPLEX-VIRUS-1 INFECTION UPON IMMUNOSSUPPRESSION

Luiz Rodrigues Junior

Gabriel Tardim Hilário; Carem Luana Machado Lessa; Vivian Teixeira; Rodrigo Benedetti Gassen; Douglas Matheus Muller

CE-006

AELYKILL, A LYMPHOCYTE KILLER PROTEIN FROM AEDES AEGYPTI SALIVA

Bruna Bizzarro

Eliane Esteves; Letícia de Aquino Penteadó; Margareth Lara Capurro; Eric Calvo; Anderson Sá-Nunes; Bruna Bizzarro; José Luis Ramirez; Andrea Cristina Fogaça; Alexandra Ivo Medeiros; José Marcos Ribeiro

CE-007

ANALYSIS OF CD15, CD57 AND HIF-1 ?LFA IN BIOPSIES OF PATIENTS WITH PERI-IMPLANTITIS

Sanivia Aparecida de Lima Pereira

DENISE BERTULUCCI ROCHA RODRIGUES; MÁRCIA FERNANDES DE ARAÚJO; MARCELO LUIZ RIBEIRO DE MELO; VIVIANE OLIVEIRA SEVERINO; ELIÂNGELA DE CASTRO CÔBO; Sanivia Aparecida de Lima Pereira; RENATA MARGARIDA ETCHEBEHERE; MARCELA BEGHINI

CE-008

ANALYSIS OF NEURONAL LIPID PROFILE DURING ZIKV INFECTION IN VITRO

Igor de Oliveira Santos

Igor de Oliveira Santos; Rafael Corrêa; Marcos Nogueira Eberlin; Raquel Das Neves Almeida; Aline Martins; Kelly Grace Magalhães



CE-009

ANTIBIOTIC USE AND ITS EFFECT ON OVALBUMIN-INDUCED ALLERGIC ASTHMA MODEL

Gregório Grama Cavalcante

Matheus Silvério de Mattos; Remo de Castro Russo; Camila Pereira de Queiroz; Angélica Samer Lallo Dias; Laila Sampaio Horta; Silvia Dantas Cangussú; Helton da Costa Santiago; Marcela Helena Gonçalves Pereira de Oliveira

CE-010

ARYL HYDROCARBON RECEPTOR (AHR) REGULATES AIRWAY INFLAMMATION INDUCED BY DIESEL EXHAUST PARTICLES IN CHRONIC PHASE IN VIVO.

Quentin Marquant

Pauline Chenuet; Nathalie Rouxel; Tiffany Marchiol; Bernhard Ryffel; Louis Fauconnier; Aurélie Ledru; Valérie Quesniaux; Dieudonnée Togbe

CE-011

ASPERGILLUS FUMIGATUS-INDUCED HUMAN EOSINOPHIL EXTRACELLULAR DNA TRAPS: ROLE OF IP3K, P38 MAPK AND SRC FAMILY

Isabella Gropillo

Marcella A. A. Dettoni; Josiane S. Neves; Valdirene S. Muniz; Rodrigo T. Figueiredo

CE-012

AVALIATION OF CYTOKINES, CHEMOKINES AND IMMUNOLOGICAL MEMMORY CELLS ON LEISHMANIASIS RECIDIVA CUTIS

Laila Farias

Evelyn Farias; Viviane Boaventura; Jorge Clarêncio; Daniela Andrade; Juquelyne Cristal; Aldina Barral

CE-013

B CELL-SPECIFIC AMPK DEFICIENCY PROMOTES METABOLIC REPROGRAMMING AND AMELIORATES EXPERIMENTAL COLITIS IN MICE

Paulo Basso

Fernanda Fernandes Terra; Rafael Ribeiro Almeida; Ângela Castoldi; Niels Olsen Saraiva Câmara; Nathália Hiromi Ishida Assunção; Meire Ioshie Hiyane; Vinícius Andrade Oliveira; Thiago Maass Steiner

CE-014

BETWEEN AVERSION AND REWARD: A NEURO-IMMUNE CONFLICT IN EXPERIMENTAL FOOD ALLERGY TO BETA-LACTOGLOBULIN.

Luisa Santos

Luara Augusta da Costa E Silva Braga Batista; Daniele Cristina de Aguiar; Ana Cristina Gomes-Santos; Helder Carvalho de Assis; Maria Cecília Campos Canesso; Julia Souza Gomes; Denise Carmona Cara; Ana Maria Caetano Faria; Juliana de Lima Alves; Daniela Reis

CE-015

BIOLOGICAL THERAPY REGULATES CD4+, CD8+ AND REGULATORY T CELLS IN PATIENTS WITH CROHN'S DISEASE

Leticia Garcia

Fernando Seefelder Flaquer; Claudia Concer Viero Nora; Karina Inácio Ladislau de Carvalho; Cristovão Luis P. Mangureira; Ana Eduarda Zulim de Carvalho; Eliane Aparecido Rosseto; Luiz Vicente Rizzo

CE-016

CD4 T CELLS IN THE ORAL MUCOSA

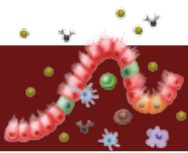
Shauna Culshaw

CE-017

CELL-MEDIATED IMMUNE RESPONSE OF IMMUNIZED EQUINE TO DIFFERENT CROTALIC VENOM COMPONENTS

Monica Spadafora Ferreira

Natália Silva Pimenta; Nicole Assis Pereira; Ronaldo de Azevedo Ferreira; José Ricardo Jensen; Olga Martinez Ibañez; Eliana L. Faquim Mauro; Mônica Freitas da Silva; José Roberto Marcelino; Orlando Garcia Ribeiro; Mônica Spadafora-Ferreira



CE-018

COMPARATION OF MONOCYTES SUBTYPES IN HEALTHY ADULTS AND CHILDREN

Juliana Rocha

Renata da Silveira Rodrigues Paiva; Bruna Macêdo de Gois; Cínthia Nóbrega de Sousa Dias; Isabel Cristina Guerra Gomes; Rephany Fonseca Peixoto; Tatjana Keesen de Sousa Lima

CE-019

COMPARISON OF CASEIN AND β -LACTOGLOBULIN ALLERGENICITY IN A COW'S MILK FOOD ALLERGY MODEL

Caio Fonseca

Felipe Rodrigues Valadares¹; Bárbara Cafaro Rezende¹; Vanessa Cássia de Moura Cota¹; Luisa Lemos^{1,2}; Caio Cesar Fonseca¹; Mariana de Almeida Oliveira^{1,2}; Naíse Aparecida Pereira Magalhães¹; Ana Maria Caetano de Faria²; Ana Cristina Gomes-Santos^{1,2}

CE-020

COMPREHENSIVE ANALYSIS OF T LYMPHOCYTE DYNAMICS IN PATIENTS WITH TUBERCULOSIS-ASSOCIATED IMMUNE RECONSTITUTION INFLAMMATORY SYNDROME

Paulo Mattos

Bruno Bezerril Andrade; Kaustuv Nayak; Lis R. Antonelli; Selvaraj Anbalagan; Soumya Swaminathan; Irini Sereti; Sudha Subramanian; Brian O. Porter; Gopalan Narendran

CE-021

DEC205+CD8A+ AND DCIR2+CD8A- DENDRITIC CELLS DIFFERENTIALLY PROMOTE CELLULAR AND HUMORAL IMMUNE RESPONSES AFTER ANTIGEN TARGETING VIA DEC205 AND DCIR2 RECEPTORS

Fernando Bandeira Sulczewski

Bianca da Silva Almeida; Natalia Soares Ferreira; Marcio Massao Yamamoto; Silvia Beatriz Boscardin; Arthur Baruel Zaneti; Evelyn Rodrigues; Daniela Santoro Rosa

CE-022

DECREASED EXPRESSION OF DIFFERENT REGULATORY MOLECULES BY CD4 T LYMPHOCYTES BETWEEN ATOPIC AND NON-ATOPIC PATIENTS WITH SEVERE ASTHMA REFRACTORY TO TREATMENT

Jamille Souza Fernandes

Maria Ilma Araujo; Lorena Santana Andrade; Edgar M. Carvalho; Luciana Santos Cardoso; Tarcísio Vila Verde Santana de Almeida; Luane Marques de Mello; Álvaro A. Cruz

CE-023

DEGRANULATION ACTIVITY OF CD8+ T-LYMPHOCYTES FROM HTLV-1-INFECTED PATIENTS WITH HAM/TSP

Marcus Vinicius Lima

Lucas Pedreira Carvalho; Maria Fernanda Rios Grassi; Bernardo Galvão; Rita Elizabeth Moreira Mascarenhas

CE-024

DENDRITIC CELLS MATURATION AND ABILITY TO INDUCE CD4 T CELLS PROLIFERATION ARE MODULATED BY CROTOXIN AND ITS CB SUBUNIT FROM CROTALUS DURISSUS TERRIFICUS VENOM

Amanda Pereira de Freitas

Freitas, A. P.; Faquim-Mauro, El.; Favoretto, B. C.

CHEMOKINES AND TRAFFICKING (CT)

CT-071

ALVEOLAR BONE LOSS INDUCED BY SEPTIC ARTHRITIS IN MICE

Bambirra Felipe Henrique Silva

Daniele Glória Souza; Flávio Almeida Amaral; Vivian Louise Soares de Oliveira; Mauro Martins Teixeira; Mila Fernandes Moreira Madeira; Daiane Boff; Ian de Meira Chaves



CLINICAL IMMUNOLOGY (CI)

CI-074

ACTIVATION AND EXHAUSTION PROFILES OF T CELLS ON VOLUNTEERS WITH PULMONARY TUBERCULOSIS OR LATENT TUBERCULOSIS INFECTION

Silas Gabriel Oliveira

Elisabete Lopes Conceição; Clarissa Cunha Santana; Michael Santos Rocha; Bruno de Bezerril Andrade; Paulo Sérgio M. S. Mattos; Iza Cristina A. Pina; Jamocyr M. Marinho; Theolis Barbosa

CI-075

ACUTE LIVER FAILURE IN THE PRESENCE OF HIGH IL-15 AND IL-10 LEVELS

Damiao Carlos Moraes Santos

Damiao Carlos Moraes dos Santos; MARCELO ALVES PINTO; NOEMI ROVARIS GARDINALI

CI-076

AFFINITY OF ATLANTIC FOREST WILD ANIMALS' IMMUNOGLOBULINS TO THE PROTEINS A AND G

Bianca Vilas Alves

Ricardo Wagner Portela; Thiago Doria Barral; Stella Maria Barrouin-Melo; Marcone Loiola dos Santos; Ianei Oliveira Carneiro; Roberto Meyer

CI-077

ANALYSIS OF INFLAMMATORY MARKERS IN PATIENTS OF FEDERAL DISTRICT/BRAZIL WITH GUILLAIN-BARRÉ SYNDROME AND OTHERS NEUROLOGICAL DISORDERS

Rafael Corrêa

Victor Cardoso Alves; Carlos Bernardo Tauil; Raquel Das Neves Almeida; Heloisa Antoniella Braz de Melo; Hugh J. Willinson; Kelly Grace Magalhães; Rafael Corrêa; Igor de Oliveira Santos; Sabrina Azevedo Machado

CI-078

CLINICAL LABORATORY PROFILE ANALYSIS OF INDIVIDUALS WITH PULMONARY TUBERCULOSIS DIAGNOSIS FROM A REFERENCE LABORATORY

Silvania Maria Cerqueira

Songeli Menezes Freire; Rogério Reis; Samanta Queiroz dos Santos; Caio Lopes; Eliana Dias Matos; Marilda Casela; Ramon Mendes dos Santos; Zunara Victória Batista Santana

CI-079

DEVELOPMENT OF AN INDIRECT ELISA FOR THE SERODIAGNOSIS OF CASEOUS LYMPHADENITIS IN GOATS USING RECOMBINANT PROTEINS AS ANTIGENS.

Thiago Doria Barral

Ricardo Barros Mariutti; Vasco Azevedo; Roberto Meyer; Ricardo Wagner Portela; Raghuvir Arni; Sibebe Borsuk

CI-080

DIAGNOSIS ISSUE OF BOVINE VIRAL DIARRHEA VIRUS IN BUFFALOES

Stella Assunção

ALEKSANDRA KUTA; Jenner Karlisson Pimenta dos Reis; CAIRO HENRIQUE SOUSA DE OLIVEIRA; JOSÉ DIOMEDES BARBOSA; Magdalena Larska

CI-081

DIFFERENCES IN CYTOKINES PROFILE IN NASAL MUCOSA AND SERUM, BUT NOT IN SECRETORY IGA, ARE INVOLVED IN THE UPPER-AIRWAY DISEASE OF MARATHON RUNNERS

Andre Bachi

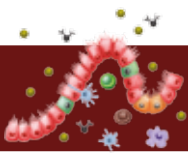
Vinicius Magalhães Suguri; Jose Daniel Lopes; Luiz Carlos Gregorio; Mauro Vaisberg

CI-082

EARLY CUTANEOUS LEISHMANIASIS PATIENTS EXPRESS INCREASED INFLAMMATORY RESPONSES FOLLOWING ANTIMONY THERAPY

Rúbia Costa

Paulo Machado; Edgar M. Carvalho; Lucas P. Carvalho; Andréa S. Magalhães; Albert Schrieffer; Ednaldo Lago; Phillip Scott; Taís M. Campos; Sara T. Passos; Juliana A. Silva; Camilla S. Paixão



EDUCATION IN IMMUNOLOGY (EI)

EI-101

"IMMUNOLOGY EXPOSITION OF THE UFPB - EXPOIMUNO" AS AN ALTERNATIVE METHODOLOGY APPLIED IN HIGHER EDUCATION

Nathália Regina Galvão Silva
Glauca Verissimo Faheina-Martins

EI-102

A SYSTEMATIC REVIEW ON SERIOUS GAMES FOR IMMUNOLOGY EDUCATION

Livia Pugliese
Lucas Uanderson Lemos da Paz; Rebeca Figueiredo de Campos Dias; Livia Pugliese; Rebeca Neves dos Santos Rabelo

HUMORAL IMMUNOLOGY (HI)

HI-105

BROADLY NEUTRALIZING ANTIBODIES AGAINST ZIKA VIRUS IN COHORTS FROM BRAZIL AND MEXICO

Priscilla Olsen
Dennis Schaefer-Babajew; Leonia Bozzacco; Ricardo Khouri; Thiago Oliveira; Gielson Sacramento; Lilian Nogueira; Cibele Orge; Stephanie A. Azzopardi; Mitermayer G. Reis; Mohsan Saeed; Thomas Eisenreich; Marianna Agudelo; Antonio R.P. de Almeida; Jovana Golijanin; Charles M. Rice; Yu E. Lee; Gustavo Reyes-Teran; Marina Caskey; Margaret R. Macdonald; Santiago Avila-Rios; Davide F. Robbiani; Jennifer R. Keeffe; Anna Gazumyan; Michel C. Nussenzweig; Elsie A. Wunder, Jr.; Nivison Nery, Jr.; Roshni Patel; Federico Costa; Lion F.K. Uhl; Neena M. Thomas; Edgar E. Sevilla-Reyes; Daniel M. Weinberger; Kai-Hui Yao; Anthony P. West, Jr.; Harry B. Gristick; Pamela J. Bjorkman; Arlene Hurley; Albert I. Ko; Joy Pai

IMMUNOLOGY OF INFECTIOUS AND PARASITIC DISEASES (ID)

ID-108

MAST CELLS COUPLE INTRACELLULAR SENSING OF AMASTIGOTES TO INFLAMMATORY NEOVASCULARIZATION IN THE HAMSTER CHEEK POUCH MODEL OF TRYPANOSOMA CRUZI INFECTION

Lucas de Mattos
Erik Svensjö; Gilberto Domont; Pablo Blanco; Clarissa Nascimento; Isalira Ramos; Bárbara Rosa; Emiliano Medei; Catarina Freitas; Igor C. Almeida; Lucas Vellasco; Fábio Nogueira; Carlos Bulant; Rafaela Serra; Isabela Resende; Carla Eponina Carvalho Pinto; Danielle Santos; Julio Scharfstein

ID-109

??LUTZOMYIA LONGIPALPIS SALIVA DRIVES INTERLEUKIN IL-17-INDUCED NEUTROPHIL RECRUITMENT FAVORING LEISHMANIA INFANTUM INFECTION

Rafael Teixeira Tiburcio dos Santos
Claire da Silva Santos; Deboraci Brito Prates; Sebastião M. de Souza-Neto; Manoel Barral-Netto; Clarissa Ribeiro Teixeira; Théó Araújo-Santos; Valéria Mattos Borges; Claudia Ida Brodskyn

ID-110

A COMPARISON OF C57BL/6 MURINE MACROPHAGE GENE EXPRESSION PROFILES IN RESPONSE TO LEISHMANIA MAJOR AND LEISHMANIA AMAZONENSIS 24H POST-INFECTION

Carlos Augusto Almeida Diniz
Felipe Caixeta Moreira; Ana Maria Caetano Faria; Lícia Torres; Tatiani Uceli Maioli

ID-111

A NUCLEAR RECEPTORS-BASED REAL-TIME PCR SIGNATURE TO DISCRIMINATE LATENT AND ACTIVE TUBERCULOSIS

Igor Müller Santos
Lee Riley; Igor Müller Santos; Júlia Rosas Silva; Sérgio Arruda; Adriano Queiroz; Jéssica Petrilli



ID-112

A VACCINE FORMULATION CONTAINING THE SCHISTOSOMA MANSONI MODULATORY PROTEIN-SPO-1, ACTIVATE ADAPTIVE IMMUNE RESPONSE BUT FAIL TO INDUCE PROTECTION IN MICE

Wilma Patricia Bernardes

Juliano Michel Araújo; Rosiane Aparecida da Silva Pereira; Julia Facci Colangelo; Isabela Thamara Sabino Dutra; Cristina Toscano Fonseca

ID-113

ADHESIVENESS PROPERTIES AND IMMUNOGENICITY OF VIR PROTEINS IN VIVAX MALARIA

Letusa Albrecht

ID-114

ANNEXIN A1 CONTROLS BACTERIA PROLIFERATION AND INFLAMMATION DURING PNEUMOCOCCAL PNEUMONIA

Marina Gomes Machado

Geovanna Valadares Santos Souza; Mauro Martins Teixeira; Luciana Padua Tavares; Remo Castro Russo; Lirlândia Pires Sousa

ID-115

ANTILEISHMANIAL ACTIVITY OF A HISTONE DEMETHYLASE INHIBITOR PRESENTING ANTI-INFLAMMATORY PROPERTIES AGAINST LEISHMANIA (V.) BRAZILIENSIS

Jéssica Silva

Leonardo Paiva Farias; Fabiana Santana Celes; Manoel Barral Netto; Susanne Müller-Knapp; Vinicius Costa Souza Ferreira; Camila Indiani de Oliveira

ID-116

ASPECTS OF THE OVINE IMMUNE RESPONSE AGAINST CORYNEBACTERIUM PSEUDOTUBERCULOSIS STRAIN VD57 IN EXPERIMENTAL INFECTION

Marcos Ribeiro

Mariana A. Pereira; Eula G. A. Neves; Evelin K. B. Santos; Monique S. de Souza; Rogério Reis; Songelí M. Freire; Maria E. Alcântara; Samanta Queiroz; Zunara V. B. Santana; Maria da Conceição A de Sá; Ramon M. Santos; Roberto José M. Nascimento

ID-117

ASSOCIATION BETWEEN RESISTANCE TO LEISHMANICIDAL DRUGS AND TNF, IL-10, CXCL-9 AND IFN- γ PRODUCTION IN PATIENTS WITH THERAPEUTIC FAILURE IN CUTANEOUS LEISHMANIASIS

Cintia Araújo

Rúbia Suely Costa; Andréa Santos Magalhães; Lucas Pedreira de Carvalho; Kiyoshi Ferreira Fukutani; Albert Schrieffer

ID-118

ASSOCIATION OF THE POLYMORPHISMS IN THE TNF-308G \rightarrow A, DDX39B-22 G \rightarrow C AND -348C \rightarrow T LOCI WITH TUBERCULOSIS CLINICAL PRESENTATION AND HUMAN IMMUNODEFICIENCY VIRUS COINFECTION IN A BRAZILIAN ADMIXED POPULATION

Theolis Barbosa

Silas Gabriel Souza de Oliveira; Ana Paula Torres; Carolina Neves Amoedo; Marcio de Oliveira Silva; Jamocyr Moura Marinho; Elisabete Lopes Conceição; Michael Santos Rocha; Iza Cristina Araújo Pina; Carla Cunha de Souza; Luiz Eduardo Lago de Castro; Vitor Ramos Mendonça

ID-119

ATRA PROMOTES AN M1 TO M2 SHIFT AND INHIBIT MACROPHAGE-MEDIATED IMMUNITY TO LEISHMANIA MAJOR.

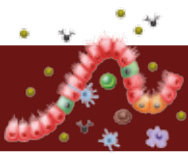
Natália Barroso

ID-120

AUTOPHAGY IS A CELL AUTONOMOUS EFFECTOR MECHANISM MEDIATED BY NLRP3 TO CONTROL T. CRUZI INFECTION.

Kely Catarine Matteucci

Karina Ramalho Bortoluci; Priscila Martins Andrade; Ricardo Weinlich; Kely Catarine Matteucci; Soraya Smaili; Gustavo Pereira



ID-121

BRAIN MICROVASCULAR ENDOTHELIAL CELLS ARE INFECTED BY ZIKA VIRUS IN VITRO AND IN VIVO, ALLOWING VIRUS EXTRAVASATION WITHOUT BBB DISRUPTION

Michelle Premazzi Papa

Lana Monteiro Meuren; Carolina Gonçalves de Oliveira Lucas; Heitor Affonso Paula Neto; Renato Santana Aguiar; Sharton Vinicius Antunes Coelho; Yasmin Mucuna Mustafa; Claudia Pinto Figueiredo; Luciana Barros de Arruda

ID-122

CASPASE-1 DEPENDENT AND INDEPENDENT ROLE OF NLRP3 IN HIV-1 PATHOGENESIS

Vinicius Nunes Cordeiro Leal

Edione Cristina dos Reis; Dhêmerson Souza de Lima; Alessandra Pontillo; Jaíne Soares Lima da Silva; Fernanda Pereira Fernandes

ID-123

CD4+ T CELLS EXPRESSING THE GUT HOMING RECEPTOR A4B7 ARE LINKED TO HIV TRANSMISSION AND DISEASE PROGRESSION

James Arthos

Aftab Ansari; SALIM S. ABDOL KARIM; Claudia Cicala; JINTANAT ANANWORANICH; Alexandra Schuetz; Lyle Mckinnon; Anthony Fauci; Aida Sivo

ID-124

CD8 CELLS DURING ZIKA VIRUS INFECTION

Nagela Zanluqui

Lilian Gomes de Oliveira; Crisitano Rossato; Carolina Manganeli Polonio; Carla Longo de Freitas; Jean Pierre Schatzmann Peron

ID-125

CELLULAR, CYTOKINE AND CHEMOKINE IMMUNE PROFILE IN HUMAN PATIENTS DURING ACUTE PHASE OF DENGUE VIRUS SEROTYPE-4 INFECTION

Eloiza Lopes de Lira Tanabe

Eloiza Lopes de Lira Tanabe; Sthepannie Janaína Maia de Souza; Ênio José Bassi; Ithallo Sathio Bessoni Tanabe; Ana Rachel Vasconcelos de Lima; Alessandra Abel Borges

ID-126

COMPARATIVE HUMORAL IMMUNITY AGAINST RHIPICEPHALUS (BOOPHILUS) MICROPLUS IN RESISTANT AND SENSITIVE ANGUS CATTLE

Emanuelle Gaspar

Robert Domingues; Juliana Rizzardo Gomes; Claudia Cristina Gulias Gomes

ID-127

COMPARISON OF INTERFERON-GAMMA RELEASE ASSAY AND TUBERCULIN SKIN TEST FOR DIAGNOSIS OF LATENT TUBERCULOSIS INFECTION IN CHILDREN UNDER 15 YEARS OLD

Julia Prazeres

Sérgio Marcos Arruda; Iukary Oliveira Takenami

ID-128

CRUCIAL ROLE FOR T CELL-INTRINSIC IL-18R/MYD88 SIGNALING IN IMMUNE RESPONSE TO INFECTION WITH TRYPANOSOMA CRUZI

João Francisco Gomes Neto

Ana-Carolina Oliveira; Fábio B. Canto; Maria Bellio; Carlos-Henrique Barbosa; Alberto Nobrega

ID-129

CRYPTOCOCCUS NEOFORMANS POLYSACCHARIDES INDUCES DEACTIVATION OF CANINE MACROPHAGES DH82

Debora Decote-Ricardo

Danyelle Loura Reis; Israel Diniz Lima; Celio Geraldo Freire-de-Lima; Isabel Ferreira Larocque-de-Freitas; Amanda Couto Silva; Debora Decote-Ricardo



ID-130

CYTOKINE AND CHEMOKINE PROFILE IN HUMAN PATIENTS DURING ACUTE PHASE OF CHIKUNGUNYA VIRUS INFECTION

Ithallo Tanabe

Eloiza Lopes de Lira Tanabe; Ênio José Bassi; Bárbara Yaskara Fernandes de Jesus Souza; Wanessa Veras Martins; Letícia Anderson; Ithallo Sathio Bessoni Tanabe; Elane Conceição dos Santos; Isadora Maria Teixeira Calazans Araújo; Alessandra Abel Borges; Magliones Carneiro de Lima

ID-131

CYTOTOXIC PROFILE ANALYSES OF CD8 T LYMPHOCYTES IN WOMEN INFECTED WITH HUMAN PAPILLOMAVIRUS

Isabel Cristina Guerra Gomes

Bruna de Gois Macêdo; Erika de Araújo Cruz; Daniele Idalino Janebro; Ícaro Alves Cavalcante Leite de Oliveira; Cíntia Nóbrega de Sousa Dias; Viviane Silva Lima; Tatjana Keesen de Souza Lima; Ronara Adriane Gonçalves Cambuí

ID-132

DETECTION OF LEISHMANIAVIRUS 1 IN LEISHMANIA FROM SAND FLIES HOSTS COLECTED IN SERRA DO BATURITÉ – CEARÁ (BRAZIL)

Alessandro Rodrigues

Camila Teles Franco da Silveira Albuquerque, Alexander Amaral Medeiros, Amanda de Avelar Sampaio, Amanda Kelly Silva Frota, Jéssica Alves Magalhães, Jessica Emily de Souza Cruz Cazeiro, Tainá Cavalcante de Oliveira, Fábio Miyaima

ID-133

DETERMINATION OF IL-1 β PRODUCTION PATHWAYS IN PATIENTS WITH CUTANEOUS LEISHMANIASIS

Daniela Celestino Santos

Edgar M. Carvalho; Andréa Magalhães; Priscila Campos; Dario Zamboni; Lucas P. Carvalho; Maurício Teixeira; Marco Túlio Gomes; Luciana Oliveira; Paulo Machado; Sérgio Oliveira

ID-134

DUAL ROLE OF SOCS2 DURING TRYPANOSOMA CRUZI INFECTION: PREJUDICIAL IN HEMATOPOIETIC CELLS AND ESSENTIAL IN NON-HEMATOPOIETIC CELLS FOR HEART FUNCTION

Paulo Leite

Verônica Cristina Zonta Costa; Christiane Freitas Abreu Mendes; Fabiana Simão Machado; Allysson Cramer; José Evaldo Rodrigues de Menezes Filho; Jader Santos Cruz

ID-135

EFFECT OF ANTIOXIDANTS IN THE OUTCOME TRYPANOSOMA CRUZI INFECTION

Camila Victória Sousa Oliveira

Camila Victória Sousa Oliveira; Jessica Milheiro Silva; Isalira Peroba Ramos de Góes Freitas; Marcelo Torres Bozza; Hilton Antonio Mata dos Santos; Glaucia Vilar Pereira; Joseli Lannes-Vieira; Cláudia Neto Paiva

ID-136

EFFECT OF PARACOCCIDIOIDES BRASILIENSIS INFECTION ON THE COURSE OF EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS (EAE)

Gabriela Peron

Lívia de Lima Thomaz [Pg]; Amanda Pires Bonfa

ID-137

EFFECT OF TNF-ALPHA AND IL-10 BLOCKADE ON A IN VITRO MODEL OF HUMAN TUBERCULOSIS GRANULOMA

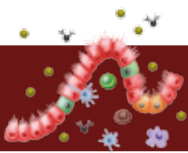
Marcos Vinicius da Silva

Jonatas da Silva Catarino;; Helioswilton Sales-Campos; Cleyson da Cruz Oliveira Barros; Juliana Reis Machado; Carlo José Freire de Oliveira; Virmondos Rodrigues; Djalma Alexandre Alves da Silva; Denise Bertulucci Rocha Rodrigues

ID-138

ENDOSYMBIOTIC DSRNA VIRUS WORSENS LEISHMANIA INFECTION BY LIMITING NLRP3 INFLAMMASOME ACTIVATION THROUGH A TLR3-TRIF-IFN- β -AUTOPHAGY PATHWAY

Renan Villanova Homem de Carvalho



ID-139

ENHANCED IFN-GAMMA AND IL-6 PRODUCTION AND DIFFUSE LIVER INFLAMMATION DURING ACUTE PHASE OF T. CRUZI INFECTION IN MICE LACKING THE GUANINE EXCHANGE FACTOR RASGEF1B IN HEMATOPOIETIC CELLS

Heliana de Barros Fernandes

Caroline Junqueira; Rosa Maria Esteves Arantes; Ricardo Tostes Gazinelli; Andréia Barroso; Policarpo Ademar Sales Júnior; Fabiana Simão Machado; Aristóboles Mendes da Silva

ID-140

ENTOMOPATHOGENIC BACTERIA AS DRUG SOURCE AGAINST LEISHMANIA AMAZONENSIS

Pedro Romão

Raísha Costa Martins; Matheus da Silva Brasil; Ana Paula Folmer Correa; Onilda Santos da Silva; Alessandra Peres; Pedro Romão; Ana Maria Antonello; Thaís Sartori; Ralf Heermann⁴; Luiz Carlos Rodrigues Júnior; Adriano Brandelli

ID-141

EPA AND DHA POLYUNSATURATED FATTY ACIDS DOWNREGULATE INFLAMMATORY RESPONSE IN CUTANEOUS LEISHMANIASIS PATIENTS

Maurício Teixeira Nascimento

Daniela Celestino; Paulo Machado; Lucas Pedreira de Carvalho; Taís Menezes Campos; Luiz H. Guimarães; Edgar Marcelino de Carvalho

ID-142

EVALUATION OF AQUEOUS OZONE AS A COMPLEMENT TO MEDICAMENTOUS TREATMENT TO CUTANEOUS LEISHMANIASIS

Rafael Andrade Menolli

Eduardo Alexandre Loth; Rafael Andrade Menolli; Izabela Virgínia Staffen; Fabio Negretti; Isaac Loreiro Cabral; Thiago Oliveira dos Santos

ID-143

EVALUATION OF NAÏVE AND MEMORY T REGULATORY CELLS IN HUMANS INFECTED WITH ZIKA VIRUS

Bruna Macêdo

Isabel Cristina Guerra-Gomes; Cinthia Nóbrega de Sousa Dias; PEDRO HENRIQUE DE SOUSA PALMEIRA; TATJANA KEESEN DE SOUZA LIMA; Reophany Fonseca Peixoto; RONARA ADRIANE GONÇALVES CAMBUÍ; JOSÉLIO MARIA GALVÃO ARAÚJO

ID-144

EVALUATION OF THE IL-1 / IL-1R AXIS IN INFLAMMATION AND SUSCEPTIBILITY TO MYCOBACTERIUM TUBERCULOSIS INFECTION DUE TO OBESITY

Romulo Silva de Oliveira

Thaís B. Bertolini; Tamara S Rodrigues; Vânia L. Bonato; Sandra P. Palma; Ana F. Gembre; Leandra N. Z. Ramalho

ID-145

EVALUATION OF THE IN VITRO LEISHMANICIDAL EFFECT OF AMPHOTERICIN B NANOSTRUCTURED LIPID CARRIERS (NLC - AMB) IN LEISHMANIA BRAZILIENSIS INFECTION

Jéssica Rebouças Silva

Fábio Formiga; Valéria Borges; Jonilson Bertlink; Camila I. de Oliveira; Andresa Berretta; Franciane Marquete-Oliveira; Maraine Tadini; Nívea Luz

ID-146

EVALUATION OF THE ROLE OF IL-33 AND ITS RECEPTOR SST2 IN CHRONIC HEPATITIS BY HEPATOTROPIC VIRUSES

Mônica Rebouças

Isabela Silva de Oliveira; Maria Luiza Brito de Sousa-Atta; Milena Santana Cabral; Maria Isabel Schinoni; Ajax Mercês Atta

ID-147

EXPRESSION OF CHEMOKINE RECEPTORS IN MUSCULAR ESOPHAGUS BIOPSIES FROM PATIENTS WITH CHAGAS' DISEASE AND IDIOPATHIC MEGAESOPHAGUS

Ana Luiza Abdalla dos Santos

Eduardo Crema; Virmondos Rodrigues Junior; Marcos Vinicius da Silva; Juverson Alves Terra Jr; Jonatas da Silva Catarino



ID-148

EXPRESSION OF COMPLEMENT RECEPTORS TYPE 1 (CD35) AND TYPE 3 (CD11B) ON LEUCOCYTES OF PATIENTS WITH VISCERAL LEISHMANIASIS

Cassio Campelo

Guilherme Alves de Lima Henn; Lília Maria Carneiro Câmara; Bruno de Melo Tavares; Luiz Carlos Albuquerque Pinto; Igor Carvalho Pinheiro

ID-149

EXTRACELLULAR VESICLES SECRETED BY MACROPHAGES INFECTED WITH L. AMAZONENSIS INCREASED EXPERIMENTAL CUTANEOUS LEISHMANIASIS

Candace Andrade

Viviane J. Rocha; Cintia F. Araujo; Jessica V. Cerqueira; Virginia M. G. Silva; André C. Andrade; Emanuelle S. Souza; Luciana A. França; Lain C. Pontes-de-Carvalho*

IMMUNOPHARMACOLOGY (IP)

IP-230

CHRONIC HYDROGEN SULFIDE (H₂S) - TREATMENT REDUCED AIRWAY REMODELING OF CHRONIC OVA-ALLERGEN CHALLENGED IN MICE

Gustavo José Monici Villela dos Reis Filho

Flavia Faganello Colombo; Fabricio Passador-Santos; Heloisa Helena de Araujo Ferreira; Vera Cavalcante de Araújo; André Lisboa Renno

IP-231

AGONISTIC ACTIVITY OF TAMOXIFEN, SELECTIVE ESTROGEN-RECEPTOR MODULATOR (SERM), ON ARTHRITIC OVARIECTOMIZED MICE.

Franciel Felix

Franciel Batista Felix; Jessica Maria Dantas Araujo; Enilton Aparecido Camargo; Luiz Andre Silva; Elindayane Vieira Souza; Renata Grespan

IP-232

ANTI-NOVICEPHIVE EFFECT OF MANGIFERIN IN PERSISTENT PAIN MODELS

Angélica Arcanjo

Jorgete Logullo; Andrea S. Calheiro; Marise P. Nunes; Marco Edilson F. Lima; Celio G. Freire-de-Lima; Angelica F Arcanjo; Patricia T. Bozza; George A. Dosreis; Debora Decote-Ricardo

IP-233

CURINE INHIBITS MACROPHAGE ACTIVATION AND NEUTROPHIL RECRUITMENT IN LPS-INDUCED INFLAMMATION

Jaime Filho

Fagner Carvalho Leite; Alan de Brito Carneiro; Edson Fernandes de Assis; Márcia Regina Piuvezam; Andrea Surrage Calheiros; Juliana Alves Azeredo; Celidarque da Silva Dias; Patrícia T. Bozza

IP-234

DOWN-MODULATION OF SURVIVIN VIA LOCKED NUCLEIC ACID ANTISENSE OLIGONUCLEOTIDE, EZN3042, IN NEUTROPHIL SURVIVAL AND OUTCOME OF ACUTE INFLAMMATION INDUCED BY LPS

Jéssica Machado

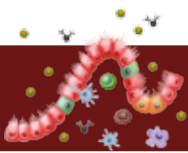
Julia Dias; Ana Paula Santos; Vanessa Pinho; Walyson Costa; Frederico Soriani

IP-235

EFFECT OF AQUEOUS LEAVES EXTRACT OF PASSIFLORA ALATA CURTIS, CATECHIN AND RUTIN IN THE PROLIFERATION, APOPTOSIS, CELL CYCLE MODULATION AND EXPRESSION OF CELL CYCLE PROTEINS IN LYMPHOCYTES (NOD MICE) FROM CO-CULTURE WITH MIN6 CELLS

Daniella de Figueiredo

NAYARA SIMON GONZALEZ SCHUMACHER; Priscila da Silva de Matos; Luís Gustavo Romani Fernandes; Talita Cristina Colomeu; Virgínia de Campos Carvalho; Débora Moitinho Abram; Ricardo de Lima Zollner



IP-236

EFFECT OF PHYTOESTROGEN BIOCHANIN A ON NEUTROPHIL MIGRATION IN MICE WITH ZYMOSAN-INDUCED ARTHRITIS

Saulo Colares de Santana

Franciel Batista Felix; Jéssica Maria Dantas Araujo; Luiz André Santos Silva; Elindayane Viera de Souza; Renata Grespan

IP-237

EFFECTS OF LEPTIN ON ADIPOGENESIS

Lohanna Amaral

SALLY LIECHOCKI; PATRÍCIA TORRES BOZZA; Lohanna Palhinha do Amaral; EUGENIO DAMACENO HOTTZ; CECÍLIA JACQUES DE ALMEIDA; CLARISSA MENEZES MAYA MONTEIRO

IMMUNOREGULATION (IR)

IR-255

ALLERGEN IMMUNOTHERAPY WITH CATIONIC LIPOSOME (DOTAP) CONTAINING SYNTHETIC TLR9 AGONIST (CPG-ODN)

Ricardo Wesley Alberca Custódio

Momtchilo Russo; Ricardo Wesley Alberca Custódio; Eliane Gomes; Fernanda Peixoto Barbosa Nunes; Denise Morais da Fonseca

IR-256

ANALYSIS OF CELLULAR SUBPOPULATIONS AND CELLULAR ACTIVATION MARKERS OF BLOOD PATIENTS WITH VITILIGO

Cristiane Santos Silva E Silva Figueiredo

Michelle Bendelak Russo Uchôa; Luís Cláudio Nascimento da Silva; João Francisco Silva Rodrigues; Elisabeth Soares Fernandes; Marcos Augusto Grigolin Grisotto

IR-257

ASSESSMENT OF THE IMMUNOMODULATORY POTENTIAL OF LACTOCOCCUS LACTIS STRAINS CARRIERS OF EUKARYOTIC EXPRESSION VECTORS CODING FOR MUS MUSCULUS INTERLEUKINS 4 AND 10 IN THE STREPTOZOTOCIN-INDUCED TYPE 1 DIABETES MODEL

Tatiane Melo Preisser

Vanessa Pecini da Cunha; Mariana Passos Santana; Anderson Miyoshi; Vanessa Bastos Pereira; Bianca Mendes Souza

IR-258

B CELL-DRIVEN DIFFERENTIATION OF CD4+CD25+FOXP3+ REGULATORY T CELLS IN VITRO IS INHIBITED BY BACTERIAL COMPONENTS

Carolina Pacini

Maria Bellio; Rita Fucs; Fábio Barrozo do Canto; Alberto Nóbrega; Carolina Paulino Pacini

IR-259

B-1 CELLS MODULATE THE MURINE MACROPHAGE RESPONSE TO LEISHMANIA MAJOR INFECTION

Angélica Arcanjo

Juliana Dutra Barbosa da Rocha; Debora Decote-Ricardo; Angélica F Arcanjo; Elias B Silva-Junior; Monique Leandro; Alexandre Morrot; Celio Geraldo Freire-de-Lima; Marise P Nunes

IR-260

BONE-MARROW DERIVED MESENCHYMAL STROMAL CELLS INDUCE ANTI-INFLAMMATORY MACROPHAGES BUT NOT TREGS IN ESTABLISHED HOUSE DUST MITE-INDUCED ASTHMA MODEL

Jamil Kitoko

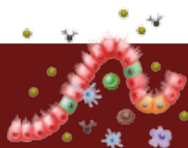
Patricia Macedo ROCCO; Ligia Lins de Castro; Soraia Carvalho Abreu; Fernanda Fereirra Cruz; Marco Aurelio Martins; Priscilla CHRISTINA OLSEN; Ana Paula Nascimento; Debora Gonçalves Xisto; Ana Carolina Santos Arantes; Marcelo Marcos Morales

IR-261

BUTYRATE IMPAIRS ATHEROGENESIS BY REDUCING FOAM CELL FORMATION, OXIDATIVE STRESS AND INCREASING FIBROUS CAP STABILITY.

Edenil Aguilar

Juliana Maria Navia-Pelaez; Josiane Fernandes da Silva; Luciano dos Santos Aggum Capettine; Virginia Soares Lemos; Lana Claudinez dos Santos; Alda Jusceline Leonel; Elândia Aparecida Santos; Lílian Gonçalves Teixeira; Jacqueline Isaura Alvarez-Leite



IR-262

CARDIORESPIRATORY FITNESS MODULATES THE ACUTE RESPONSE OF MEMORY TREG AND MEMORY EFFECTOR OF T CELLS TO INTERVAL EXERCISE IN OBESE MEN

Alessandra Peres

Gilson Pires Dorneles; Maria Carolina R Boeira; Lucas Schipper; Pedro R T Romão

IR-263

CARDIORRESPIRATORY FITNESS MODULATES TREG CELLS AND CD39+/CD73+ EXPRESSION IN OBESE MALES

Gilson Dorneles

Maria Carolina Boeira; Igor da Silva; Pedro Romão; Lucas Schipper; Karen Fernanda Mueller; Alessandra Peres

IR-264

CHARACTERIZATION OF THE EVOLUTIVE STAGES OF NON-ALCOHOLIC FATTY LIVER DISEASE IN MOUSE MODEL

Juliana Guimarães

IR-265

CIGARETTE SMOKE DRIVE A DEVIATION OF LUNG INFLAMMATION IN OVA-INDUCED ASTHMA MODEL

Thais Barboza Bertolini

Tamara Rodrigues; Leandra N. Z. Ramalho; Vânia L. D. Bonato; Annie R. Piñeros; Ana Flávia Gembre; José Carlos Alves Filho; Sandra Palma

IR-266

COMBINING SELECTED IMMUNOMODULATORY PROPIONIBACTERIUM FREUDENREICHII AND LACTOBACILLUS DELBRUECKII STRAINS LEADS TO ANTI-INFLAMMATORY FUNCTIONAL FOOD DEVELOPMENT

Gwenaël JAN

Coline PLÉ; Emmanuelle MAGUIN; Benoit Foligné; Victoria CHUAT; Maarten Van de Guchte; Gwénaél Jan

IR-267

CONSEQUENCES OF FEEDING NOVEL PROTEINS DURING THE ACUTE PHASE OF AN INFLAMMATORY BOWEL DISEASE

Airton Pereira E Silva

Isabelle Mazza Guimarães; João Ricardo Almeida Soares; Gerlinde Agate Platais Brasil Teixeira; Airton Pereira E Silva; Ana Letícia Gomes Morand Bentes; Bárbara Oliveira Marmello

IR-268

CONTROLLING THE ACUTE SEPSIS-INDUCED ORGAN DAMAGE THROUGH THE MODULATION OF THE GLYCOLYTIC PATHWAY

Braulio Lima

Fernando de Queiroz Cunha; Mateus Fortes Rossato; Carlos Hiroji Hiroki; Carlos Wagner Souza Wanderley; José Carlos Alves Filho; David Fernando Colón; Remo Castro Russo; Paula Viacava

IR-269

DEFICIENCY OF AXL RECEPTOR INCREASES THE PERCENTAGE OF PHAGOCYTES IN THE LUNG MUCOSAE DURING HOMEOSTASIS

Kamila Guimarães Pinto

IR-270

DIET INDUCED OBESITY CHANGES GUT ASSOCIATED IMMUNE SYSTEM IN MICE

Lícia Torres

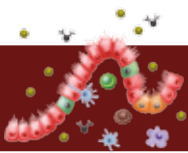
Ana Maria Caetano Faria; Vinícius Dantas Martins; Núbia Morais Rodrigues; Tatiani Uceli Maioli; Mariana Camila Gonçalves Miranda

IR-271

DIFFERENTIAL ANTI-INFLAMMATORY EFFECTS OF HSP65-PRODUCING AND WILD TYPE LACTOCOCCUS LACTIS NCD02118 IN MURINE MUCOSITIS

Patricia Aparecida Vieira de Barros

VALBERT NASCIMENTO CARDOSO; TATIANI UCELI MAIOLI; Patricia Aparecida Vieira de Barros; JULIANA DE LIMA ALVES; DENISE CARMONA CARA; ANA MARIA CAETANO FARIA; NATÁLIA PINHEIRO ROSA; FELIPE CAIXETA MOREIRA



IR-272

DIFFERENTIAL GENE EXPRESSION PROFILES OF INDIVIDUALS WITH ACTIVE AND LATENT TUBERCULOSIS

Scarlet Mota

Kiyoshi Ferreira Fukutani; Márcia Weber Carneiro; Artur Trancoso Lopo de Queiroz; Theolis Barbosa

IR-273

EFFECTS OF IRF2BP2 OVEREXPRESSION IN CD4+ T CELLS IN THE DEVELOPMENT OF MURINE EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS.

Natália Pinheiro-Rosa

Ana Maria Caetano Faria; Mariana Camila Gonçalves Miranda; Giuliana P. Mognol; Mauro Andrade de Freitas Guimarães; Mariana de Almeida Oliveira; João P. B. Viola

IR-274

EFFECTS OF NEUTROPHIL DEPLETION IN A MURINE MODEL OF MUCOSITIS

Sarah? Carvalho Pains

Angélica Samer Lallo Dias; Amanda Paula Soares; MARIA DE LOURDES MEIRELLES NOVIELLO; HELTON DA COSTA SANTIAGO; Leonardo Luiz de Sallo Alves; Lorraine Santana Coelho; ROSA MARIA ESTEVES ARANTES; Laila Sampaio Horta

IR-275

EVALUATION OF EFFECTS OF LXR MODULATORS ON THE SECRETION OF PROINFLAMMATORY CYTOKINES IN MACROPHAGES

Jessica Pereira

Pedro Manoel Mendes de Moraes Vieira; Leonardo Pimentel de Freitas

INNATE IMMUNITY (IN)

IN-319

A MOLECULAR SIGNATURE OF RESISTANCE TO DENGUE VIRUS IN Aedes MOSQUITOES

Lucio Rezende Queiroz

Roenick Proveti Olmo; Isaque João da Silva de Faria; Carine Spenassatto Dreyer; Luciano Andrade Moreira; Jean-Luc Imler; Eric Roberto Guimarães Rocha Aguiar; Tatiane de Carvalho Izidoro Toledo; Jayme Augusto de Souza-Neto; Helder Takashi Imoto Nakaya; João Trindade Marques

IN-320

ACTIVATION OF INFLAMMASOME BY TOXINS ISOLATED FROM BOTHROPS VENOMS IN MACROPHAGES AND EFFECT ON C2C12 MYOTUBES

Priscila Andrade Raneia E Silva

Saraiva-Camara No; Faquim-Mauro El; Ranéia Pas; Bortoluci Kr

IN-321

AIM2 INFLAMMASOME MODULATES INTESTINAL TH17 CELLS RESPONSE TO CONTROL TYPE 1 DIABETES DEVELOPMENT

Jefferson Antônio Leite

Frederico R. C. Costa; Camila O. S. Souza; Grace K. Silva; João Santana da Silva; Daniela Carlos; Silvia C. Lago; Gabriela Pessenda; Camila A. Pereira

IN-322

AN INTRINSIC GEOGRAPHIC PROGRAM COORDINATES PHAGOCYTE SEEDING IN DIFFERENT LIVER COMPARTMENTS DURING DEVELOPMENT

Brenda Naemi Lanza Nakagaki

Erika de Carvalho; Maria Alice Freitas Lopes; Alan Moreira de Araújo; Matheus Silvério de Mattos; German Arturo Bohorquez Mahecha; Gustavo Batista Menezes; Hortência Maciel Castro-Oliveira; Ariane Barros Diniz; Maísa Mota Antunes; Viviane Aparecida de Souza Lacerda; Camila Dutra Moreira de Miranda; Raquel Carvalho Gontijo; Kassiana Mafra Bicalho; Bruna Araújo David; Débora Moreira Alvarenga

IN-323

CD56BRIGHT AND CD56DIM NK CELL METABOLIC REPROGRAMMING DEPENDS ON ENVIRONMENTAL CUES

Laura Surace

Laura Surace; Davide Topazio; Roberto Cocchi; James Di Santo; Valerie Dardalhon; Edward Driggers; Naomi Taylor



IN-324

CHEMOKINE EXPRESSION PROFILES REFLECT SUSCEPTIBILITY TO LEPTOSPIRA INFECTION

Paloma Luiza Duarte da Silva
Carvalho E¹; Martins Ea²; Ho Pl²; da Silva Jb¹; Nakajima E²

IN-325

COMMON ? CHAIN RECEPTORS EXPRESSION IN NATURAL KILLER CELLS CD8A+ OF HUMAN CORD BLOOD

Raíssa Vieira
Josenilson Feitosa de Lima; RAÍSSA BASTOS VIEIRA; ALBERTO JOSÉ DA SILVA DUARTE; Maria Notomi Sato; YASMIM ÁLEFE LEUZZI RAMOS

IN-326

COMPARISON OF LEGIONELLA PNEUMOPHILA AND LEGIONELLA LONGBEACHAE INFECTIONS IN MACROPHAGES AND THE ROLE OF L. LONGBEACHAE TYPE IV SECRETION SYSTEM (DOT/ICM) FOR CYTOKINE PRODUCTION

Fernanda Castanheira
Danielle Pini Alves Mascarenhas; Alexandre Luiz Neves Silva; Liliana Moura Massis; Dario Simões Zamboni

IN-327

CYTOTOXIC ACTIVITY BY NK CELLS CONTRIBUTE TO PARASITE DESTRUCTION IN CUTANEOUS LEISHMANIASIS

Taís Menezes Cerqueira Campos de Britto
Edgar Marcelino Carvalho; Rúbia Costa; Fernanda Novais; Daniela Celestino; Paulo Machado; Phillip Scott; Lucas Pedreira de Carvalho; Taís M Campos; Sara Passos; Maíra Saldanha; Sérgio Arruda

IN-328

DIFFERENTIAL ROLE OF THE INFLAMMASOMES IN DIFFUSE AND LOCALIZED CUTANEOUS LEISHMANIASIS

Gustavo Quirino
Gustavo F S Quirino; Danilo Sasso Augusto; Dario Simões Zamboni; Leonardo Lima dos Santos; Valeria de Matos Borges

IN-329

DYNAMICS OF PHAGOCYTE MIGRATION TO THE LIVER AFTER INFECTION BY LEISHMANIA INFATUM

Cleyson da Cruz Oliveira Barros
Carla Duque Lopes; Joao Santana da Silva; Bruna Araújo David; Franciele Pioto

IN-330

E. COLI TYPE VI SECRETION SYSTEM (T6SS) PROTEINS CLPV AND ICMF PLAY A SIGNIFICANT ROLE IN MURINE INFLAMMATION AND INNATE IMMUNE RESPONSE

Dalila Juliana Silva Ribeiro
Wanderley Dias da Silveira; Dario S. Zamboni; Raquel Das Neves Almeida; Tatiane Amabile de Campos; Kelly Grace Magalhães; Dalila Juliana Silva Ribeiro; Rafael Côrrea

IN-331

EFFECT OF L-AMINO ACID OXIDASE FROM CALLOSELASMA RHODOSTOMA VENOM ON HUMAN NEUTROPHIL NADPH OXIDASE COMPLEX

Juliana Zuliani
Andreimar M. Soares; Charles N. Boeno; André Eduardo da Rosa; Sulamita da Silva Setúbal; Adriana Silva Pontes; Juliana Pavan Zuliani; Mauro V. Paloschi; Jessica A. Lopes; Weverson Luciano Pires

IN-332

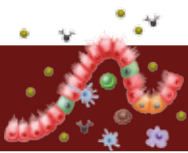
EFFECTS OF INFLAMMATION DURING DIET-INDUCED OBESITY ON THE ENTERIC NERVOUS SYSTEM OF ADULT ZEBRAFISH

Camila Fénero
Erika Kague; Camila Lovaglio; Patricia Castelucci; Alicia Colombo; Tatiana Takiishi; Guilherme Barros; Maria Rita Bueno; Niels Olsen Saraiva Câmara

IN-333

EFFEROCYTOSIS OF PYROPTIC CELL IMPROVES THE CLEARANCE OF KPC-2 PRODUCING KLEBSIELLA PNEUMONIAE STRAINS

Ana Campos Codo
Leonardo Lima dos Santos; Dario Simões Zamboni; Amanda Correia Saraiva; Ana Cristina Gales; Alexandra Ivo de Medeiros



IN-334

EVALUATION OF RETINAL GLIAL CELLS IN RESPONSE TO INFLAMMATION

Carlos R. Zarate Blades

Isis de Mello; Rachel Caspi; Patricia Dillenburg-Pilla; Carlos R. Zarate-Blades

IN-335

EVALUATION OF SYSTEMIC INFLAMMATION IN HIV-1 POSITIVE ILLICIT DRUG USERS

Fernanda de Castro

Luiz Carlos Silva Souza; Simone Gonçalves da Fonseca; Camila Bastos Ribeiro; Jessica Barlleto Sousa; Regyane Ferreira Guimarães Dias; Irmtraut Araci Hoffmann Pfrimer; Jacyelle Medeiros Silva; Camila Tavares; Adriana Guilarde

IN-336

EXPRESSION OF FOUR ANTIVIRAL EFFECTOR PROTEINS INDUCED BY TYPE ONE INTERFERON IN RESPONSE TO DIFFERENT STIMULUS

Nathalia Rocha Quintino Souza

IN-337

EXPRESSION OF NLRP3 INFLAMMASOMA IN LEPROSY INDICATES IMMUNE EVASION OF M. LEPRAE

Marcelo Antonio Pascoal Xavier

Helóisa Di Matteo Joaquim; Ramon Meira Assis; Antônio Carlos Martins Guedes; Vanessa Peruhype Magalhães; Ana Luisa Gomes Mendes; Mara Inês Stefanini Zamae; Fernanda César E Silva Barros; Edward José Oliveira

IN-338

EXPRESSIONS OF TLR2 AND TLR4 ARE ASSOCIATED WITH HIGHER OXIDATIVE RESPONSE, INFLAMMATION AND DEVELOPMENT OF DISEASE IN AMERICAN TEGUMENTARY LEISHMANIASIS

Pedro Paulo Oliveira Carneiro

Olivia Bacellar; Walker Nonato; Paulo Machado; Andreza Santos; Jacilara Conceição; Edgar Carvalho

IN-339

GAMMA-INTERFERON-INDUCIBLE LYSOSOMAL THIOL REDUCTASE (GILT) IS A POTENTIAL FACTOR FOR THE CONTROL OF RICKETTSIA RICKETTSII INFECTION IN MIDGUT OF THE TICK AMBLYOMMA SCULPTUM

Flávia Ferreira

Fernanda Dornelas Florentino Silva; Larissa Almeida Martins; Eliane Esteves; Andrea Cristina Fogaça; Flávia Viana Ferreira; Letícia Mônica Coimbra Gaziola; Gisele de Araújo Albuquerque; Marcelo Labruna; Sirlei Daffre

IN-340

GENERATION OF A TRIPLE-FLUORESCENT MOUSE STRAIN ALLOWS VISUALIZATION OF SPATIAL LIVER PHAGOCYTE DYNAMICS IN VIVO

Hortência Maciel de Castro Oliveira

Maria Alice Freitas Lopes; Gustavo Batista Menezes; Raquel Carvalho Gontijo; Denise Carmona Cara; Rodrigo Pestana Lopes; Brenda Naemi Nakagaki; Bruna Araújo David; Érika Carvalho; Rafael Machado Rezende; Mônica Moraes Santos

IN-341

GEOPROPOLIS IN COMBINATION WITH DOXORUBICIN AT NONCYTOTOXIC CONCENTRATIONS SHOW IMMUNOMODULATORY EFFECTS ON HUMAN MONOCYTES

Lucas Pires Garcia Oliveira

Fernanda Lopes Conte; Bruno José Conti; Marjorie de Assis Golim; Eliza de Oliveira Cardoso; Karina Basso Santiago; José Maurício Sforcin

IN-342

HMGB1 AND INFLAMMATORY CYTOKINES ARE DECREASED IN PLACENTA AND SERUM OF HIV-EXPOSED NEWBORN

Nátalli Zanete Pereira

Kelly Cristina Gomes Manfrere; Naiura Vieira Pereira; Rosa Maria de Souza Aveiro Ruocco; Alberto José da Silva Duarte; Maria Notomi Sato; Anna Cláudia Calvielli Castelo Branco; Mirian Nacagami Sotto; Marcelo Zugaib



IN-343

HOST-DEPENDENT TRANSCRIPTION OF IRIDOVIRUS GENOMIC DNA GENERATES DSRNA TO ACTIVATE ANTIVIRAL RNA INTERFERENCE IN DROSOPHILA

Isaque João da Silva de Faria

Isaque Joao da Silva de Faria; Eric Roberto Guimarães Rocha Aguiar; Jean-Luc Imler; Emanuele Guimarães Silva; Roenick Proveti Olmo; João Trindade Marques

MOLECULAR IMMUNOLOGY (MI)

MI-394

DOWNSTREAM SIGNALING OF PGE2 FROM EFFEROCYTOSIS OF APOPTOTIC-INFECTED CELLS DURING THE INHIBITION OF TH17 DIFFERENTIATION – CONTRIBUTION OF STAT3 AND SOCS1

Allan Orlando

Naiara Naiana Dejani; Alexandra Ivo de Medeiros

MI-395

EVALUATION OF ANTI-INFLAMMATORY EFFECTS OF MONOCLONAL ANTIBODIES PRODUCED BY A DNA DELIVERY SYSTEM BASED ON A LACTOCOCCUS LACTIS DELIVERIYNG SYSTEM IN THE TREATMENT OF EXPERIMENTAL COLITIS IN MICE

Marcelo Brígido

Maria José Chiabai; Andrea Queiroz Maranhão; Anderson Miyoshi; Juliana Franco Almeida; Anamélia Lorenzetti Bocca

MI-396

EVALUATION OF ANTI-INFLAMMATORY EFFECTS OF MONOCLONAL ANTIBODIES PRODUCED BY A DNA DELIVERY SYSTEM BASED ON A LACTOCOCCUS LACTIS DELIVERIYNG SYSTEM IN THE TREATMENT OF EXPERIMENTAL COLITIS IN MICE

Maria Jose Chiabai

Anamelia Lorenzetti Bocca; Marcelo Macedo Brígido; Juliana Franco Almeida; Andrea Queiroz Maranhão; Anderson Miyoshi

MI-397

GENERATION OF PKM2 KNOCKOUT HACAT CELL LINE BY CRISPR/CAS-9 MEDIATED GENOME EDITING

Gabriel Públio

MI-398

IDENTIFICATION OF LNCRNAS IN HUMAN CD3+ T CELLS FOLLOWING STIMULATION WITH ANTI-HUMAN CD3 ANTIBODIES

Marcelo Brígido

Isabel Garcia Sousa; Manuela Maragno do Almo; Andrea Queiroz Maranhão

MI-399

MICRORNA EXPRESSION IN PERIPHERAL BLOOD MONONUCLEAR CELLS FROM DOG WITH VISCERAL LEISHMANIASIS

Larissa Martins Melo

Gabriela Lovizutto Venturin; Flavia Lombardi Lopes; Valéria Marçal Félix de Lima; Jaqueline Poletto Bragato; Gabriela Torres Rebech; Leandro Encarnação Garcia

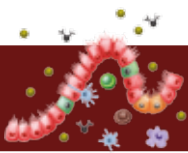
TRANSPLANTATION AND IMMUNOGENETICS (TR)

TR-411

CASP1 GENETIC VARIANTS ARE ASSOCIATED WITH ASTHMA AND COCKROACH ALLERGIC MARKERS

Gerson Queiroz

ANAQUE DE OLIVEIRA PIRES; NEUZA MARIA ALCÂNTARA-NEVES; CAMILA ALEXANDRINA VIANA DE FIGUEIREDO; Raimon Rios da Silva; RYAN DOS SANTOS COSTA; SERGIO COSTA OLIVEIRA



TR-412

CLEC5A AND IFN- γ GENE EXPRESSION AND POLIMORPHISMS AS MARKERS FOR 17DD YELLOW FEVER VACCINE IMMUNE RESPONSE

Tamiris Azamor da Costa Barros
TUMOR IMMUNOLOGY (TI)

TU-417

A-MANNOSIDASE INHIBITOR, SWAINSONINE, EFFECT ON THE PHENOTYPE OF TUMOR ASSOCIATED MACROPHAGES

Marcella Cipelli
Caio Raony Farina Silveira; Ana Paula Lepique

TU-418

CD38+ IS UPREGULATED ON CIRCULATING CD8+ T CELLS OF PATIENTS WITH SEZARY SYNDROME

Marina Torrealba
Lima, J.F.; Teixeira, F.M.E.; Sato, M.N.; Manfrere, K.; Miyashiro, D.R.; Duarte, A. J. S.; Sanches, J.A

TU-419

CLONING, HETEROLOGOUS EXPRESSION, PURIFICATION AND FUNCTIONAL CHARACTERIZATION OF SCFV ANTI-FGF2 3F12E7

Bruno Andrade Costa
Tábata de Almeida da Silva; Vitor Marcelo Silveira Bueno Brandão de Olive; Jane Zveiter de Moraes; Marcelo Ferreira Marcondes Machado; Rodrigo Barbosa de Aguiar

TU-420

COMBINED P19ARF AND INTERFERON-BETA GENE TRANSFER AS A NOVEL CANCER IMMUNOTHERAPY STRATEGY: TARGETING CELL DEATH AND ANTITUMOR IMMUNITY

Ruan Felipe Vieira Medrano
João Paulo Portela Catani; Aline Hunger Ribeiro; Bryan Eric Strauss

TU-421

EFFECT OF CURCUMIN IN IFOSFAMIDE-INDUCED HEMORRHAGIC CYSTITIS

Mariana Lima Nour
Francisco Wanderlei Lima Silva; Camila Fernandes; Lívia Maria Soares Nobre; Venucia Bruna Magalhães Pereira; Marina Pinto Custódio; Roberto César Pereira Lima Júnior; Livia Talita Cajaseiras Mourão; Francisco Cleber Silva Ferreira; Camila Meirelles de Souza Silva; Lis Caetano Nóbrega Costa Araújo; Igor Kenned Duraes Paiva

TU-422

EXPRESSION OF M2 MACROPHAGES-RELATED MICRORNAs IN RELATION TO TUMOR-ASSOCIATED MACROPHAGES IN ORAL SQUAMOUS CELL CARCINOMA

Camila da Silva Souza
Clarice Ribeiro Lira; Kellyane Silva Dias; Iguaracyra Barreto de Oliveira; Roberto Meyer; Deise Souza Vilas-Bôas; Rafael Luiz Vieira Mercuri; Jéssica Teles Souza; André Leonardo de Castro Costa; Camila Alexandrina Viana de Figueirêdo; Jean Nunes dos Santos; Camila da Silva Souza; Deyse Souza Carvalho da Silva

VACCINES (VC)

VC-434

A ROBUST HUMORAL RESPONSE IS ASSOCIATED WITH THE PROTECTIVE IMMUNE RESPONSE INDUCED BY RSM29 PLUS ALUMINIUM HYDROXIDE IN PREVIOUSLY INFECTED AND TREATED MICE.

Cristina Fonseca
Neusa Araújo; Sérgio Costa Oliveira; Clarice Carvalho Alves; Natan Raimundo Gonçalves de Assis

VC-435

ADJUVANT-MEDIATED EPITOPE SPECIFICITY OF ANTIBODIES TARGETING DENGUE VIRUS ENVELOPE PROTEIN

Denicar Lina Nascimento Fabris



VC-436

ANALYSIS OF THE CELL IMMUNE RESPONSE OF AVIAN INFECTIOUS BRONCHITIS VARIANTS BY FLOW CYTOMETRY

Ana Bastos

Iara Trevisol; Liana Brentano; Ricardo Forner; Cintia Okino

VC-437

BACTERIAL FLAGELLIN INDUCES A BETTER INFLAMMASOME RESPONSE THAN LIPOPOLYSACCHARIDE IN DENDRITIC CELLS FROM HIV+ INDIVIDUALS: NEW ADJUVANT OPTION FOR HIV+ PATIENTS' IMMUNIZATION?

Edione Cristina dos Reis

Vinícius Nunes Cordeiro Leal; Jaine Soares Lima da Silva; Alessandra Pontillo; Dhemerson Souza de Lima; Fernanda Pereira Fernandes

VC-438

CHIMERIC LAMP-1/P55GAG HIV-1 VACCINE INDUCES FOLLICULAR CD4+ AND CD8+ T CELLS IN MURINE NEONATAL IMMUNIZATION

Franciane Mouradian Emidio Teixeira

Maria Notomi Sato; José Augusto Cruz Brito; Luana de Mendonça Oliveira; Alberto José da Silva Duarte

VC-439

CMX PROTEIN INDUCE IL-10 PRODUCTION THROUGH INTERACTION WITH TLR-4 LEADING TO A BALANCED IMMUNE RESPONSE

Adeliane Castro Costa

Adeliane Castro da Costa; KARINA FURLANI ZOCCAL; ANDRE KIPNIS; DANILO PIRES DE RESENDE; LÚCIA HELENA FACCIOLI; Ana Paula Junqueira-Kipnis

VC-440

COMBINATION OF GEMCITABINE AND IL-10 INHIBITION ENHANCES THE IMMUNE THERAPEUTIC EFFECTS OF A VACCINE TARGETING HPV-ASSOCIATED TUMORS

Jamile Ramos da Silva

Mariângela de Oliveira Silva; Ana Carolina Ramos Moreno; Mariana de Oliveira Diniz; Jamile Ramos da Silva; Natiely Silva Sales; Luana Raposo M. M. Aps; Luís Carlos de Souza Ferreira

VC-441

DEVELOPMENT OF A POLYVALENT VACCINE AGAINST SALMONELLA SEROVARS INVOLVED IN FOODBORNE DISEASES

Victoria Perez Escanda

Adriana Martínez; Andres Iriarte; Lucia Yim; Bruno D'alessandro; Julieta Bisio; Alejandro Chabalgoity; Laura Betancor

VC-442

DEVELOPMENT OF A RECOMBINANT MULTICOMPONENT CHIMERIC VACCINE BASED IN PROTEINS EPITOPES FROM RHIPICEPHALUS MICROPLUS TICK FOR ANALYZE IN SILICO AND PHAGE DISPLAY

Isabela Daher

Andressa Fisch; Mariana Oliveira Nascimento; Bogar Omar Araujo Montoya; Rodolfo Cordeiro Giunchetti; Luiz Gustavo Nogueira de Almeida; Isabela Pazotti Daher; Jennifer Gonella; Isabel Kinney Ferreira de Miranda Santos; Beatriz Rossetti Ferreira

OCTOBER, 04th

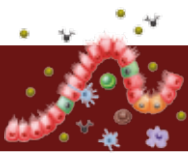
CELLULAR IMMUNOLOGY (CE)

CE-025

DENGUE VIRUS INFECTION OF NAÏVE PBMC IN VITRO INDUCES PRO-INFLAMMATORY CYTOKINE EXPRESSION THAT IS MODULATED BY DENV IMMUNE SERUM

Angélica Dias

Laila Sampaio Horta; Helton da Costa Santiago; Leonardo Luiz de Salles Alves; Ricardo Tostes Gazzinelli



CE-026

DETECTION OF TISSUE MORPHOLOGICAL ALTERATIONS OF AIRWAYS IN RESPIRATORY DISEASE MODELS BY HISTOLOGICAL STAINS

Giciane Carvalho Vieira

CE-027

DETRIMENTAL EFFECT OF SYSTEMIC ANTIMICROBIAL CD4+ T CELL REACTIVITY ON GUT EPITHELIAL INTEGRITY

Markus Geuking

Francesca Ronchi; Cheong Kc Kwong Chung

CE-028

ELIMINATION OF RMA AND RMA-S CELLS BY T CD8+ LYMPHOCYTES.

Isabella Suzuki Sampaio

Ester Wilma Pacheco Gonzales; Felipe Campos de Almeida; Gustavo P. Amarante-Mendes; Henry Alonso Paico Montero; Elizabeth Cristina Rodrigues; Maryanne Melanie Gonzales Carazas

CE-029

EVALUATION OF PGE2 RECEPTORS IN THE SPLEEN LEUKOCYTES DOGS WITH VISCERAL LEISHMANIOSIS

Gabriela Lovizutto Venturin

Jaqueline Poleto Bragato; Gabriela Torres Rebech; Flávia de Rezende Eugênio; Valéria Marçal Félix de Lima; Larissa Martins Melo; Sidnei Ferro Costa; Paulo Sergio Patto dos Santos

CE-030

EVALUATION OF THE INFLAMMATORY AND CYTOTOXIC EFFECT OF PROPOLIS ON MURINE MACROPHAGES IN VITRO

Danielle Devequi Gomes Nunes

Jéssica Rebouças Silva; Marcelo Andres Umsza-Guez; Bruna Aparecida Souza Machado; Valéria M Borges

CE-031

FUNGAL SPORES OF TRICHODERMA GENUS INDUCE AUTOPHAGY ON MACROPHAGES

Odlair Arthur Augusto de Almeida

Odlair Arthur Augusto de Almeida; Jane Lima dos Santos; Danielle Oliveira dos Anjos; Marcos André Vannier dos Santos

CE-032

GROUP B STREPTOCOCCUS DEGRADES CYCLIC-DI-AMP TO MODULATE STING-DEPENDENT TYPE I INTERFERON PRODUCTION

Warrison Andrade

CE-033

HIGH-SALT IMPROVES EFFEROCYTOSIS AND IMPAIRS T-REGULATORY CELL DIFFERENTIATION

Letícia de Aquino Penteadó

Victoria Eugênia Niño Castanho; Alexandra Ivo de Medeiros; Allan Botinhon Orlando; Naiara Naiana Dejani

CE-034

HORMONAL AND IMMUNE CHANGES IN OSTEOPOROSIS

Danila Malheiros Souza

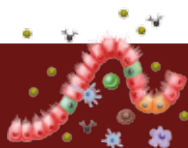
Denise Bertulucci Rocha Rodrigues; Leonardo Franco Pinheiro Gaia; Marcos Vinícius Silva; Carlo José Freire Oliveira; Pedro Ivo Ferreira Favaro; Virmondes Rodrigues; Danila Malheiros Souza; Djalma Alexandre Alves Silva; Rodrigo Aragão Andrade; Fausto Fernandes Sousa

CE-035

IFN- γ AND IP-10 IN THE IN VITRO RESPONSE TO CORYNEBACTERIUM PSEUDOTUBERCULOSIS ANTIGENS, IN PERIPHERAL BLOOD OF INDIVIDUALS INFECTED BY MYCOBACTERIUM TUBERCULOSIS

Ramon Mendes dos Santos

Vitória Costa de Menezes Santos; Luis Gustavo Oliveira; Soraya Trindade; Zunara Victória Batista Santana; Silvânia Cerqueira Andrade; Marcos Borges Ribeiro; Fúlvica S. Soares; Songelí Menezes Freire; Hérvyn Ribeiro de Araújo; Gabriel Saldanha Müller; Rogério Reis; Samanta Queiroz dos Santos; Caio Lopes Borges Andrade; Maria Conceição Aquino de Sá; Lília F. de Moura-Costa; Roberto Meyer



CE-036

IMBALANCED FAT INTAKE MODIFIES LIVER IMMUNE CELL POPULATIONS AND ENHANCE HEPATIC DYSFUNCTION DURING DRUG INDUCED INJURY

Ariane Barros Diniz

Josiana Lopes Sabino; Érika de Carvalho; Hortência Maciel de Castro Oliveira; Mônica Morais Santos; Matthew Ricci; Gustavo Batista Menezes; Viviane Aparecida de Souza Lacerda; Débora Moreira Alvarenga de Carvalho; Raquel Carvalho Gontijo Weber; Ariane Barros Diniz; Débora Romualdo Lacerda; Alan Moreira de Araújo; Maria Alice Freitas Lopes; Bruna Araújo David; Sridhar Radhakrishnan; Adaliene Versiane M. Ferreira; Máisa Mota Antunes; Brenda Naemi Lanza Nakagaki

CE-037

IMIQUIMOD RESTRAINS B16F0 MELANOMA GROWTH IN WILD TYPE BUT NOT IN CD1 KNOCKOUT MICE

Fabiola Cardillo

Thiago Cardoso; Maiara Bonfim; Cayo Abreu

CE-038

IMMUNOREGULATORY FUNCTION OF CARDIAC GAMMA DELTA T CELLS IN DYSTROPHIN-DEFICIENT MICE

Cynthia Cascabulho

CE-039

IN VIVO ADMINISTRATION OF TRYPANOSOMA CRUZI DECREASES THE NUMBERS OF SPLENIC MYELOID-DERIVED SUPPRESSOR CELLS AND INTRATUMORAL REGULATORY T CELLS, DURING THE GROWTH OF EXPERIMENTAL MELANOMA.

Amanda Catariny de Oliveira Silva

Fabiola Cardillo; Maiara Bonfim; José Mengel

CE-040

INVESTIGATING THE IMMUNE RESPONSE TO CITRULLINATED ANTIGEN

Shauna Culshaw

CE-041

LOCAL AND SYSTEMIC ALTERATIONS IN LYMPHOCYTES OF C57BL/6 WITH DIET INDUCED OBESITY

Vinicius Dantas Martins

Juliana Lauar Gonçalves; Ana Maria Caetano de Faria; Mariana Camilla Gonçalves Miranda; Tatiani Uceli Maioli

CE-042

LONG-TERM CONSUMPTION OF DIETS CONTAINING FREE AMINO ACIDS LEADS TO GUT INFLAMMATION.

Mariana Camila Miranda

Patrícia Barros; Emerson Veloso; Fabiola M. Ribeiro; Adna Luciana Souza; Luisa Lemos Santos; Ana Maria Caetano de Faria; Enio Ferreira; Denise Carmona Cara; Toniana G. Carvalho; Sarah Leão Fiorini de Aguiar; Ana Cristina Gomes Santos; Daniela Reis

CE-043

MACROPHAGE INFLAMMATORY RESPONSE IS IMPAIRED IN ABSENCE OF HOST MICROBIOTA

Mateus Eustáquio de Moura Lopes

Liliane Martins dos Santos; Matheus Batista Heitor Carneiro; Leda Quercia Vieira

CE-044

MAIT AND NKT CELL DEVELOPMENT IS CONTROLLED BY THE SAME PATHWAYS AND RESULTS IN IDENTICAL TRANSCRIPTIONAL PROGRAMS.

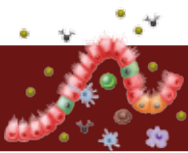
Francois Legoux

CE-045

MMP-2 AND MMP-9 GENE EXPRESSIONS ANALYSIS IN AORTA FROM KNOCKOUT APOE MICES AFTER SPLENECTOMY.

Paula Rodrigues Sampaio

Lúcia Mara Januário dos Anjos; Yuri Cotta E Silva; Álvaro Carneiro de Souza; Alice Belleigoli Rezende; Henrique Couto Teixeira; Flavia de Paoli; Paula Rodrigues Sampaio



CE-046

MYOSIN EXPRESSION BY HUMAN DENDRITIC CELLS THEIR EFFECTIVE KNOCKDOWN AND ROLE IN HIV-1 TRANS-INFECTION

Taís Aparecida Matozo de Souza
Bruna Cunha de Alencar

CE-047

NKT CELLS IN GUT INFLAMMATION AND HOMEOSTASIS

Cristhiane Favero de Aguiar
Angela Castoldi; Aline Ignácio; Raphael José Ferreira Felizardo; Tércio Teodoro Braga; Pedro M. Mendes Moraes Vieira; Mariane Amano; Vinícius Andrade-Oliveira; Fernanda Fernandes Terra; Mário Cruz; Denise Moraes da Fonseca; Niels Olsen Saraiva Câmara; Ana Tada

CHEMOKINES AND TRAFFICKING (CT)

CT-072

CCR3 PARTICIPATION IN THE MIGRATION OF EOSINOPHILS INDUCED BY ESTROGEN TO THE UTERUS OF C57/BL6 OVARIECTOMIZED MICE

Luiz André Silva
Jéssica Maria Dantas Araujo; Juliana Cardoso Alves; Franciel Batista Felix; Renata Grespan

CLINICAL IMMUNOLOGY (CI)

CI-083

EXTENSIVE IMMUNOLOGICAL AND PHYSICO-CHEMICAL CHARACTERIZATION OF A SHORTENED BLO T 21, A MAJOR HOUSE DUST MITE ALLERGEN.

Eduardo Santos da Silva
Lorenz Aglas; Michael Wallner; Carina Silva Pinheiro; Neuza Maria Alcântara-Neves; Claudia Asam; Peter Briza; Fatima Ferreira

CI-084

HIGH PERIPHERAL LEVELS OF LEPTIN CORRELATED NEGATIVELY WITH THE ABILITY OF VITAMIN D IN CONTROLLING CYTOKINES PRODUCTION BY T CELLS FROM ATOPIC PATIENTS

Isabelle Cristine Lopo dos Santos
Letícia Delphim; Felipe Tavares; Marco Octávio Cafasso; Larissa Relva; Sônia Regina da Silva; Gabriel Fernandes; Taissa M. Kasahara; Mariana Ramos Assis; Ana Lúcia Maranhão; Cleonice A. M. Bento

CI-085

HIGHER PRESENCE OF MDCs IN PERITONEAL FLUID DRIVES INFLAMMATION IN PATIENTS WITH ENDOMETRIOSIS

Karina Carvalho
Ana Eduarda Carvalho; Mauricio Abrao; Priscila Guirão Lara; Luiz Rizzo; Karina Carvalho

CI-086

IMPACT OF THE RESTRICTION OF SOURCES OF GLUTEN IN FIBROMYALGIA PATIENTS

Ana Carolina Campolina
Jacqueline Isaura Alvarez Leite; Cristina Maria Mendes Resende; Melissa Tainan Silva; Karine Silva Andrade; Aloisio Joaquim Freitas Ribeiro; Paola Caroline Lacerda Leocadio; Luana Moreira Fonseca; Denise Carmona Cara Machado

CI-087

IN SITU CYTOKINE EXPRESSION AND MORPHOMETRIC EVALUATION OF TOTAL COLLAGEN, TYPE I AND TYPE III IN KELOID SCARS

Isabela Rios Silva
Marcos Vinícius da Silva; Marlene Antônia dos Reis; Bárbara Rocha Rodrigues; Denise Bertulucci Rocha Rodrigues; Luciana Colombo Rodrigues da Cunha Tiveron; Alberto Borges Peixoto; Carla Aparecida Xavier Carneiro; Pedro Carvalho Furtado; Virmondes Rodrigues Jr



CI-088

LACTOCOCCUS LACTIS NZ9000 SECRETING ANTIMICROBIAL PANCREATITIS-ASSOCIATED PROTEIN MODULATORY EFFECTS IN THE MICROBIOME OF INFLAMED MICE RECEIVING 5-FLUORACIL

Rodrigo Dias de Oliveira Carvalho

Barbara Cordeiro; Enrico Gimenez; Luiz Bermudez-Húmaran; Gabriel Fernandes; Henrique Figueiredo; Aline Vaz; Fillipe Luiz Rosa do Carmo; Sara Heloisa; Jean Marc Chatel; Philippe Langella; Aristoteles Goes-Neto; Vasco Azevedo

CI-089

LACTOCOCCUS LACTIS PRESERVED INTESTINAL BARRIER INTEGRITY IN MURINE DSS-INDUCED COLITIS

Juliana Lima Alves

Luisa Lemos dos Santos; Priscilla Carolinne Bagano Vilas Boas; Tatiani Uceli Maioli; Ana Maria Caetano Faria; Juliana de Lima Alves; Nubia Morais Rodrigues; Patricia Aparecida Vieira Barros

CI-090

NEGATIVE ASSOCIATION OF TNF BLOOD LEVELS WITH OXYGEN SATURATION IN PATIENTS WITH COPD

Fabiola Ramos Jesus

Gyselle Chrystina Baccan; Margarida Célia Lima Costa Neves; Fabine Correia Passos; Antônio Carlos Moreira Lemos; Cleriston Farias Queiroz; Taiane do Espírito Santos Pereira

CI-091

PREVALENCE POSITIVITY FOR THE SURFACE ANTIGEN OF HEPATITIS B VIRUS (HBSAG) IN PREGNANTS PATIENTS ATTENDED ON A PUBLIC HOSPITAL IN THE CITY OF CASCAVEL – PARANÁ

Alex Sandro Jorge

Josana Aparecida Dranka Horvath; Jorge Juarez Vieira Teixeira; Leyde Daiane de Peder; Paulino Yassuda Filho; Lucas Bonatto de Souza Lima; Alex Sandro Jorge; Dennis Armando Bertolini; Claudinei Mesquita da Silva; Rodrigo Allan Barcella; Rafael Andrade Menolli; Jessica Cassia da Silva

EDUCATION IN IMMUNOLOGY (EI)

EI-103

CONSTRUCTIVIST SPIRAL AS AN ACTIVE LEARNING METHODOLOGY OF TEACHING IN IMMUNOLOGY

Arlindo Gomes de Macêdo Junior

HUMORAL IMMUNOLOGY (HI)

HI-106

ROLE OF CRUCIAL MOLECULES RELATED WITH TH1-TYPE RESPONSE IN ANTIBODY PRODUCTION AND FUNCTIONS AGAINST NEOSPORA CANINUM

Carolina Salomão Lopes

Carolina Salomão Lopes; Tamires Lopes Silva; Eliézer Lucas Pires Ramos; Caroline Martins Mota; Tiago Wilson Patriarca Mineo; Mariana Ferreira Silva; Flávia Batista Ferreira França; Vanessa Resende Sousa Silva; Jacqueline Pádua de Queiroz; Fernanda Maria Santiago

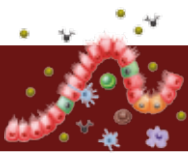
IMMUNOLOGY OF INFECTIOUS AND PARASITIC DISEASES (ID)

ID-150

FCGAMMA-RI, FCGAMMA-RII AND IL-10 AS PREDICTIVE BIOMARKERS FOR POST-THERAPEUTIC CICATRIZATION TIME IN CUTANEOUS LEISHMANIASIS

Vanessa Peruhype-Magalhães

Marina Luiza Rodrigues-Alves; Marcelo Antônio Pascoal-Xavier; Cloves Asclânio dos Reis; Walderez Ornellas Dutra; Maria Camilo Ribeiro de Senna; Olindo Assis Martins-Filho; Matheus Fernandes Costa-Silva; Vanessa Peruhype-Magalhães; Heloisa Alves-Costa; Otoni Alves de Oliveira Melo-Júnior; Rosiana Estefane da Silva; Andreia Coutinho Faria; Andréa Teixeira-Carvalho; Rodolfo Cordeiro Giunchetti; Jordana Graziela Coelho-dos-Reis



ID-151

FLOW CYTOMETRY-BASED VIRUS TITRATION – A NEW QUICK AND PRECISE METHOD FOR TITLING ZIKA VIRUS

Fabio Santos

Ithallo Sathio Bessoni Tanabe; Isadora Maria Teixeira Calazans Araújo; Ana Rachel Vasconcelos de Lima; Alessandra Abel Borges; Thiago Pina Góes de Araújo; Wanessa Veras Martins; Stephannie Janaina Maia de Souza; Ênio José Bassi; Fábio Emanuel França dos Santos

ID-152

GENDER INFLUENCE ON MURINE RESPONSE TO C. GATTII INFECTION

Marliete Carvalho da Costa

Anderson Philip Nonato Santos; Jane Lima dos Santos; Caio T Fagundes; Daniel de Assis Santos; Heliana de Barros Fernandes; Gustavo José Cota de Freitas; Adelina Martha dos Reis; Aristóbolo Mendes da Silva; Gleisy Kelly Neves Gonçalves

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GENE EXPRESSION OF T HELPER CELLS IN HUMAN TUBERCULOSIS

Marcos Vinicius da Silva

Maria Cláudia Magalhães Cavallini; Djalma Alexandre Alves da Silva; Denise Bertulucci Rocha Rodrigues; Natália Ernandes Capobianco; Juliana Reis Machado; Virmondos Rodrigues

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GENOME-WIDE ASSOCIATION STUDY FOR ANTIBODY RESPONSE IN CANINE LEISHMANIASIS

Luís Fábio da Silva Batista

Mariana M. Carneiro; Yuri T. Utsunomiya; Fernando T. Silveira; Cárís M. Nunes; Luís F. S. Batista; Márcia D. Laurenti; Thais B. F. Silva; Acácio D. Pacheco; Mary Marcondes

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GLYBURIDE, A NLRP3 INHIBITOR REDUCES INFLAMMATORY RESPONSE AND IMMUNOPATHOLOGY IN LEISHMANIA BRASILIENSIS INFECTION

Augusto Carvalho

Camilla S. Paixão; Camila I. de Oliveira; Phillip Scott; Fernanda Novais; Pedro Paulo Carneiro; Lucas P. Carvalho; Edgar M. Carvalho

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HEPATOCTE-DERIVED IL-1A CONTRIBUTES TO LIVER INFLAMMATION DURING HEPATIC NECROSIS CAUSED BY BLOOD-STAGE PLASMODIUM CHABAUDI MALARIA

Maria Menezes

Flávia Sarmiento Vieira; Eduardo Pinheiro Amaral; Karina Ramalho Bortolucci; José Carlos Alves-Filho; Érika de Machado Salles; Alexandra dos Anjos Cassado; José Maria Alvarez; Maria Regina D'império-Lima

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Krist Helen Antunes Fernandes

Rosemeire Florêncja de Paula; Marco Aurélio Ramirez Vinolo; Renato Tetelbom Stein; Ana Paula Duarte de Souza; José Luis Fachi

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HIV HIGHLY SUSCEPTIBLE CELLS FOUND IN HPV INFECTED MUCOSA

Alan Britto

Elizabeth Stankiewicz Machado; Elisama Duarte de Pontes; Cintia Policarpo; Yara Lucia Furtado de Melo; James Arthos; Fernanda Roberta Silva Lima; Angela Rosa Imperio Meyrelles; Gutemberg Leão de Almeida Filho; Ana Lúcia Moraes Giannini

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Vanessa Martinez Manfio

Karen Ingrid Tasca; Janaina de Oliveira Góis; Camila Renata Corrêa; Jessica Leite Garcia; Fernando Moreto; Lenice do Rosário de Souza



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Otávio Espindola; Ana Claudia Celestino Leite; Juliana Echevarria-Lima; Marco Antonio Lima; Ana Carolina Oliveira

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HUMAN BLOOD MONOCYTES ARE NOT SUSCEPTIBLE TO ZIKA VIRUS INFECTION IN VITRO

Isadora Maria Teixeira Calazans Araujo

Isadora Maria Teixeira Calazans Araujo; Wanessa Veras Martins; Ana Rachel Vasconcelos de Lima; Letícia Anderson; Alessandra Abel Borges; Elane Conceição dos Santos; Ithallo Sathio Bessoni Tanabe; Fábio Emanuel França dos Santos; Audemário de Gusmão Lins Filho; Ênio José Bassi

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Emanuelle Gaspar

Natália Berne Pinto; Robert Domingues; Alessandro Pelegrine Minho; Fábio Pereira Leivas Leite

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Leandro Martins de Freitas

Taiana Tainá Silva Pereira; Qeren Hapuk Rodrigues Ferreira; Leandro Martins de Freitas; Kleiton Paulino da Silva; Brendon Oliveira Leite; Fernanda Castro Pires dos Santos

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IDENTIFICATION OF GENETIC MARKERS ASSOCIATED WITH CANINE HUMORAL RESPONSE AGAINST SAND FLY SALIVA

Luís Fábio da Silva Batista

Mariana M. Carneiro; Yuri T. Utsunomiya; Fernando T. Silveira; Cáris M. Nunes; Luís F. S. Batista; Thais B. F. Silva; Acácio D. Pacheco; Mary Marcondes; Márcia D. Laurenti

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Thiale Santos

Hayna Malta; Odailson Santos Paz; Valeria de Matos Borges; Jaqueline França Costa; Franco Henrique Andrade Leite; Marcelo Santos Castilho; André Lacerda Braga Teles

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Raísha Martins

Gilson Pires Dorneles; Alessandra Peres; Pedro Roosevelt Torres Romão; Ana Maria Antonello; Júlia Lacerda Couto; Luiz Carlos Rodrigues Junior; Henri Stephan Schrekker; Matheus Brasil; Eroni Almeida Júnior; Vivian Oliveira Nunes Teixeira

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IMMUNE MECHANISMS INVOLVED IN PROTECTION AGAINST INVASIVE PNEUMOCOCCAL PNEUMONIA

Analía Rial

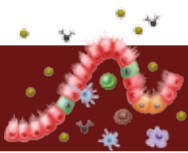
Juan Martín Marqués; Victoria Comas; Analía Rial; María Paula Céspedes; José Alejandro Chabalgoity

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Taiane de Souza

Leonardo Nimrichter



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Natália Carvalho

Natália B. Carvalho; Rafael C. Silva; Camila F. Amorim; Temis W. F. Corte; Paulo Machado; Edgar M. Carvalho; Fernanda V. Prates; Mayra Dourado; Fernanda G. Pacheco; Pablo Machado; Diógenes S. Santos

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Gislane de Almeida Santos

Fabrcio Moreira Almeida; Elena Lassounskaia; Irina Kerkis

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IMMUNOREGULATORY CYTOKINE IL-10 PRODUCED IN THE PEYER'S PATCHES DURING TOXOPLASMA GONDII ORAL INFECTION IS REDUCED BY BUDESONIDE IN VITRO TREATMENT

Gessilda Nogueira-Melo

Marcelo Biondaro Góis; Eduardo José de Almeida Araújo; Debora de Mello Gonçalves Sant'ana; Letícia Sarturi Pereira Severi; Gessilda de Alcantara Nogueira-Melo; João Luís Garcia

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Joyce Bittencourt

Tiago dos Santos Nascimento; Márcio André Andrade Mendonça; Joyce Tamires Vasconcelos Bittencourt; Luiz André Santos Silva

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Icaro Bonyek Santos Silva

Icaro Bonyek Santos da Silva; Mariana Ampuero; Alexandre Lago; Claudia Brodskyn; Sara Nunes; Reinan Lima; Edgar Carvalho; Natália Machado Tavares

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Sara Nunes de Oliveira Araujo

Reinan Lima; Lígia de Souza; Ricardo Khouri; Aldina Barral; Cláudia Brodskyn; Icaro Bonyek Silva; Natalia Machado Tavares; Almério de Noronha; Thaizza Correia; Viviane Sampaio Boaventura; Pablo Ivan Pereira Ramos; Pablo Rafael Silveira Oliveira; Sara Nunes; Mariana Rosa Ampuero

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INTERACTION OF HUMAN NEUTROPHILS WITH LEISHMANIA INFANTUM PROMASTIGOTES DEFECTIVE IN THE BIOSYNTHESIS OF LIPOPHOSPHOGLYCAN

Grazielle de Carvalho

Milena Lázaro de Souza; Sayonara de Melo Viana; Camila Indiani de Oliveira; Bruno B. Andrade; Valéria Matos Borges; Grazielle Quintela-Carvalho; Jonilson Berlink Lima; Martha Sena Suarez; Elvira Saraiva; Albert Descoteaux

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INTERLEUKIN 17 PRODUCED BY CD8 T CELLS IN CHIKUNGUNYA VIRUS INFECTED PATIENTS: PATHOGENIC OR PROTECTOR?

Cinthia Dias

Viviane Silva Lima; Isabel Cristina Guerra-Gomes; Fatima de Lourdes Assunção Araújo de Azevedo; Josélio Maria Galvão; Bruna de Góis Macedo; Ronara Adriane Gonçalves Cambuí; Rephany Fonseca Peixoto; Isac Almeida de Medeiros; Tatjana S. L. Keesen

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Bernardo Sgarbi Reis



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Gemilson Soares Pontes
Roberto Wilker Agra Barbosa; Paulo Afonso Nogueira

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Ivoneete Queiroz
Rúbia S Costa; Sara Passos; Lucas P. Carvalho; Jamile Rêgo; Paulo R L Machado

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LEISHMANIA GUYANENSIS-INFECTED BALB/C MICE DEVELOP A TH1 TYPE IMMUNE RESPONSE AND ARE PROTECTED AGAINST INFECTION WITH LEISHMANIA MAJOR

Maria de Fátima Martins Horta
Matheus Batista Heitor Carneiro; Maria de Fátima Martins Horta; Bárbara Pinheiro Mendes; Leda Quércia Vieira

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LONG NON CODING RNA IN PATIENTS WITH VISCERAL LEISHMANIASIS

Kiyoshi Fukutani
Roque P. Almeida; João S. Silva; Sandra R. Maruyama; Helder I. Nakaya; Gabriela Pessenda; Florence Sacksida

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MADCAM COSTIMULATION THROUGH INTEGRIN-A4B7 PROMOTES HIV REPLICATION

Claudia Cicala
Fatima Nawaz; Jocelyn Ray; Aftab Ansari; Anthony Fauci; Livia Goes; Francois Villinger; James Arthos

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MECHANISMS UNDERLYING PNEUMOCOCCAL NASOPHARYNGEAL COLONIZATION IN THE ABSENCE OF IL-17A

María Paula Céspedes
Comas, Victoria; Chabalgoity, José Alejandro; Marqués, Juan Martín; Rial, Analía

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MEG-14 PROTEIN FROM S. MANSONI INTERACT WITH HUMAN S100A9 PROTEIN, BUT IS NOT ABLE TO BLOCK ITS INFLAMMATORY SIGNALING

Mariana Ivo Khouri
Ana Eliza Zeraik; Ricardo Riccio Oliveira; Leonardo Paiva Farias; Jessica Lobo da Silva; Kelvin Edson Marques de Jesus; Ricardo Demarco

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MICROPARTICLE GENERATION IS AN IMPORTANT PATHWAY FOR CYTOKINES AND EICOSANOIDS SECRETION IN SEVERE DENGUE

Eugenio Hottz
Edson F. de Assis; Guy A. Zimmerman; Marcus A. Raposo-Nunes; Fernando A. Bozza; Patrícia T. Bozza

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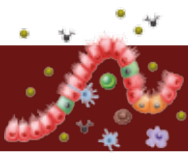
MICRORNAs FROM SCHISTOSOMA MANSONI MICROVESICLES ARE POTENTIAL IMMUNE REGULATORS IN THE HUMAN HOST

Leticia Anderson
Lucas Ferreira Dasilva; Danilo Candido Almeida; Sergio Verjovski-Almeida; Leticia Anderson; Vinicius Andrade Oliveira; Niels Olsen Saraiva Camara

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MODULATION AND SIGNALING OF TH17 AXIS IN CHAGAS' DISEASE HEART FAILURE

Bárbara Rodrigues
Barbara Rodrigues; Sebastião Tostes Junior; Denise Bertulucci Rocha Rodrigues; Virmondos Rodrigues Junior



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Tiago Bruno Castro

Gloria Regina Franco; Maria Cecília Campos Canesso; Nayara E Toledo; Egler Chiari; Andrea Mara Macedo; Mariana L Boroni; Carlos Renato Machado

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Andrea Magalhães

Paulo Roberto Lima Machado; Lucas Pedreira de Carvalho; Rubia Suely Costa; Tais Meneses Campos; Edgar Marcelino de Carvalho; Daniela Santos Celestino; Luiz Henrique Guimarães

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Flávio Matassoli

James E. K. Hildreth; Ihid Carneiro Leao; Luciana Barros de Arruda

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Elaine Ramos

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EVALUATION OF ANTIMICROBIAL, ANTIBIOFILM AND ANTIPROLIFERATIVE ACTIVITIES OF HIMANTHUS DRASTICUS

Mari Silma Maia da Silva

Marcos Augusto Grigolin Grisotto; Joice Castelo Branco; Vinícius G. Wakui; Mariana Oliveira Arruda; Valério Monteiro-Neto; Lucília Kato; Cristiane Santos Silva E Silva Figueiredo; José Artur de Aguiar Castro Junior; João Francisco Silva Rodrigues; Andrea de Souza Monteiro; Maria Rosa Quaresma Bomfim; Luís Cláudio Nascimento da Silva

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Tamires Lopes Silva

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IMMUNOMODULATION OF ACUTE EXPERIMENTAL HEPATITIS BY Aedes Aegypti MOSQUITO SALIVA

Josiane Assis

Bruna Bizzarro; Michele Silva de Barros; Anderson de Sá Nunes

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Stella Zamuner

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LIPOSOMAL FORMULATIONS FOR ENHANCING THE USE OF TARIN AS A THERAPEUTIC DRUG

Anna Carolina Nitzsche Teixeira Fernandes Corrêa

Anna Carolina Nitzsche Teixeira Fernandes Cor; Patricia Ribeiro Pereira; Mauricio Afonso Vericimo; Vania Margaret Flosi Paschoalin



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METABOLIC REPROGRAMING PLAY A CRITICAL ROLE IN THE PATHOGENESIS OF PSORIASIS THROUGH A PKM2-DEPENDENT MECHANISM

Flavio Veras

Douglas Prado; Paulo Melo; Nerry Cecilio; Thiago Cunha; Katiuchia Sales; Fernando Cunha; Jose Carlos Alves-Filho; Rebecca Schuller; Diogenes Lima; Bruno Melo; Thaina Norbiato; Lorena Costa; Helder Nakaya; Cacilda Souza; Ari Waisman; Gabriel Publio; Alexei Nikolaev; Marcia Alves

IMMUNOREGULATION (IR)

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EVALUATION OF PERIODONTAL TREATMENT WITH PHOTODYNAMIC THERAPY IN MODULATION OF PULMONARY INFLAMMATION IN EXPERIMENTAL MODEL OF ASTHMA

Ana Paula Ligeiro de Oliveira

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FATTY ACID ESTERS OF HYDROXY FATTY ACIDS BLUNTS TLR4 SIGNALING IN MICROGLIA

Felipe Corrêa da Silva

Pedro Manoel Mendes de Moraes Vieira

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FOXP3 GENETIC VARIANTS AFFECT SEVERE ASTHMA AND ATOPY IN A BRAZILIAN POPULATION

Norma Vilany Queiroz Carneiro

Bianca Sampaio D. Fiuza; Hugo Bernardino F.da Silva; Tamires Cana Brasil; Ryan dos S. Costa; Jamille Souza Fernandes; Álvaro Augusto Souza da Cruz Filho; Norma Vilany Queiroz Carneiro; Hellen F. Fonseca; Milca de J. Silva; Raimon R. da Silva; Maurício L. Barreto; Luciana Santos Cardoso; Camila Alexandrina Figueiredo

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FOXP3+ REGULATORY T CELL SUPPRESSIVE FUNCTION IN VITRO AND IN VIVO IS IMPAIRED BY TYROSINE HYDROXYLASE LACK.

Marcia Guerreschi

Juliana Mozer Sciani; Marcia Grando Guerreschi; Alexandre Salgado Basso

IR-280

GPR91 RECEPTOR ACTIVATION PLAYS CRUCIAL ROLE ON PATHOPHYSIOLOGY OF EXPERIMENTAL PSORIASIS

Thainá Norbiato

Flávio Protásio Veras; André Saraiva; Benhar Ryffel; José Carlos Alves-Filho; Thainá Norbiato; Bruno Melo; Thiago Cunha; Fernando Cunha

IR-281

HELMINTH INFECTION NEGATIVELY IMPACT THE DEVELOPMENT OF CHEMOTHERAPY-INDUCED MUCOSITIS

Laila Sampaio Horta

Sarah Carvalho Pains; Angélica Lallo Samer Dias; Amanda Paula Soares; Patricia Aparecida Vieira de Barros; Rosa Maria Esteves Arantes; Camila Pereira de Queiroz; Leonardo Luiz de Salles Alves; Janaína Cristiene Costa Braga; Jacqueline Isaura Alvarez-Leite; Helton da Costa Santiago

IR-282

HEMOPRESSIN AS AN ADJUVANT TREATMENT FOR SEPSIS

Claudia Benjamim

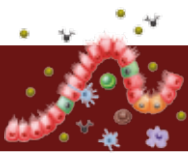
Thayanne Calcia; Ricardo Reis; Claudio Canetti; Claudia Benjamim; Cyntia Pecli; Bruno Nunes; Leandro Lobo

IR-283

HIF-1 ALPHA INDUCED METABOLIC REGULATION IS ESSENTIAL FOR MACROPHAGE ACTIVATION

Gustavo Gastão Davanzo

Lucas Eduardo Costa Canesin; Pedro Manoel Mendes Moraes-Vieira; Angela Castoldi



IR-284

HIGH SALT DIET INDUCES IL-17-DEPENDENT GUT INFLAMMATION AND EXACERBATES COLITIS IN MICE.

Sarah Aguiar

Adna Luciana de Souza; Ana Maria Caetano de Faria; Mariana Camila Gonçalves Miranda Waldetário; Tatiani Uceli Maioli

IR-285

HLA-G IS EXPRESSED IN INTESTINAL MUCOSA OF PATIENTS WITH INFLAMMATORY BOWEL DISEASE AND IS DIFFERENTIALLY EXPRESSED ACCORDING TO THE SEVERITY OF THE LESION

Renata dos Santos Almeida

Renan Garcia Gomes, Carlos Alexandre Antunes De Brito, Valéria Ferreira Martinelli, Rossana Nascimento dos Santos, Fabiana Oliveira dos Santos Gomes, Christina Alves Peixoto, Janaína Oliveira Crispim, George Tadeu Nunes Diniz, Eduardo Antônio Donadi, Norma Lucena-Silva

IR-286

IGG FROM ATOPIC DERMATITIS PATIENTS CAN INDUCE IL-17 AND IL-10 PRODUCTION IN INFANT INTRA-THYMIC TCD4 AND TCD8 CELLS.

Jefferson Russo Victor

Tiago de Oliveira Titz; Raquel Leao Orfali; Valeria Aoki; Jefferson Russo Victor; Marilia Garcia de Oliveira; Luciana Bento-de-Souza; Maria Notomi Sato; Alberto José da Silva Duarte; Fábio da Ressureição Sgnotto; Aline Aparecida de Lima Lira

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IMMUNOMODULATORY CAPACITY OF MURINE ENDOMETRIAL MESENCHYMAL STEM CELLS IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS

Carolina Polonio

Cristiano Rossato; Nagela Ghabdan Zanluqui; Carlos Eduardo Czeresnia; Silvio Halpern; Mariangela Maluf; Jean Pierre Schatzmann Peron; Carla Longo de Freitas; Wesley Nogueira Brandão; Lilian Gomes de Oliveira; Lucila Pires Evangelista; Marcelo Gil Nisenbaum; Paulo Perin

IR-288

IMMUNOMODULATORY EFFECT OF DIET IN MUCOSITE: THE ROLE OF ANTIGENIC STIMULATION BY DIETARY PROTEINS IN 5-FLUOROURACIL INDUCED MUCOSITIS IN BALB/C MICE

Joana Amaral

Luis Carlos Crocco Afonso; Daniel de Souza Paula; Renata Nascimento de Freitas; Flaviano Martins

IR-289

IMMUNOMODULATORY PROPERTIES OF STROMAL MESENCHYMAL STEM CELLS DERIVED FROM HUMAN FALLOPIAN TUBE (HTMSCS) IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS (EAE)

Carla Freitas

Wesley Brandão; Lilian Gomes de Oliveira; Mariangela Maluf; Jean Pierre Schatzmman Peron; Carolina Manganeli Polonio; Nagela Ghabdan Zanluqui; Paulo Perin; Carlos Czeresnia

IR-290

INFLAMMATORY SKIN DISEASES AND THEIR COMMON REGULATOR: MIR-205

Reinan Lima

Sara Nunes; Mariana Rosa Ampuero; Cláudia Brodskyn; Reinan Lima; Icaro Bonyek Silva; Pablo Rafael Silveira Oliveira; Natalia Machado Tavares

IR-291

INFLUENCE OF NECATOR AMERICANUS CRUDE EXTRACT ADMINISTRATION IN NON-OBESES DIABETIC MICE

Teresiama Velikkakam

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INFLUENCE OF THE SLC11A1 R AND S ALLELES IN THE ALVEOLAR BONE HEALING IN MICE GENETICALLY SELECTED FOR THE MINIMUM INFLAMMATORY REACTION

Priscila Maria Colavite Machado

Angelica Cristina Fonseca; Andre Petenuce Tabanez; Andrea Borrego; Gustavo Pompermaier Garlet; Michelle de Campos Soriani Azevedo; Jéssica Lima Melchiades; Marcelo de Franco



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INFLUENCE OF THE SYMPATHETIC NERVOUS SYSTEM ON ALLERGIC LUNG INFLAMMATION

Joyce Nunes Vieira

IR-294

IS THE SYMPATHETIC NERVOUS SYSTEM (SNS) CAPABLE OF REGULATING INFLAMMASOME ACTIVATION?

Filipe Menegatti de Melo

IR-295

LACTOBACILLUS BULGARICUS REGULATES THE EXPRESSION OF TOLL-LIKE RECEPTORS AND PREVENTS THE LUNG INFLAMMATION DURING ASTHMATIC IMMUNE RESPONSE

Barbara Tage

Aurileia Aparecida Brito; Joes Nogueira Neto; Elen Anatriello; Alexandre C. Keller; Ana Paula Ligeiro de Oliveira; Flávio Aimbire Soares de Carvalho

IR-296

LACTOCOCCUS LACTIS STRAIN CAPABLE OF DELIVERING AN EUKARYOTIC EXPRESSION PLASMID FOR PAP EXPRESSION BY INTESTINAL CELLS TEND TO PROTECT MICE IN AN ACUTE COLITIS MODEL.

Priscilla Caroline Bagano Vilas Boas

Juliana de Lima Alves; Philippe Langella; Vasco Ariston de Carvalho Azevedo; Laureline Bétemps; Ana Maria Caetano Faria; Jean-Marc Chatel

INNATE IMMUNITY (IN)

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HUMAN NEUTROPHILS RELEASE EXTRACELLULAR DNA NETWORKS IN THE PRESENCE OF TRYPANOSOMA CRUZI

Natalia Rocha Nadaes

Thais Souto-Padron; Julio Scharfstein; Elvira Saraiva; Rubem Figueiredo Menna-Barreto

IN-345

IMMUNOMODULATORY ACTION OF PROPOLIS ON MAGE-1-INCUBATED HUMAN MONOCYTES

Karina Basso Santiago

Bruno José Conti; Lucas Pires Garcia Oliveira; Marjorie de Assis Golim; José Maurício Sforcin; Fernanda Lopes Conte; Maria Teresa Cruz; Eliza de Oliveira Cardoso

IN-346

IMPACT OF NOTCH SIGNALING PATHWAY ACTIVATION IN IMMUNE RESPONSE DURING TUBERCULOSIS

Ricardo Cardoso Castro

Caroline Fontanari; Valdes Roberto Bollela; Fabiana Albani Zambuzi; Matthew A. Schaller; Fabiani Gai Frantz

IN-347

IMPAIRED PRODUCTION OF KC/CXCL1 CHEMOKINE IN THE LUNGS AND IMPROVED SURVIVAL OF INFLUENZA H1N1-INFECTED MICE LACKING HEMATOPOIETIC TOLL-LIKE RECEPTOR (TLR)-INDUCIBLE RASGEF1B

Jôsy Hubner de Sousa

Heliana B. Fernandes; Alexandre Machado; Ricardo Gazzinelli; Lorena Vivien N. de Oliveira; Daniel Santos; Aristóboło M. Silva

IN-348

IMPLICATION OF SMALL RAP2A GTPASE IN TOLL-LIKE RECEPTOR (TLR)-MEDIATED INNATE IMMUNE RESPONSE

Brener Cunha Carvalho

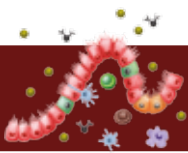
Leonardo Camilo de Oliveira; Sankar Ghosh; Carolina Damas Rocha; Aristóboło Mendes da Silva

IN-349

IMPLICATIONS OF LRRK2 IN INFLAMMATORY BOWEL DISEASE

Juliana Rocha

Chunxiang Chun; Dana Philpott; Juliana Rocha; Juliana Rocha; Michael Glogauer; Juliana Rocha; Juliana Rocha



IN-350

INFECTION WITH LEISHMANIA (VIANNIA) BRAZILIENSIS CAUSES ALTERATIONS AT THE HAMSTER'S INTESTINAL MUCOSA

Gessilda Nogueira-Melo

Amanda Alves Gubert dos Santos; Thais Gomes Versignassi Silveira; Gessilda de Alcantara Nogueira-Melo; Andrea Claudia Bekner da Silva Fernandes; Debora de Mello Gonçalves Sant'ana

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INHIBITOR OF ACETYLCHOLINESTERASE REDUCES EOSINOPHILIC AIRWAY INFLAMMATION IN AN EXPERIMENTAL MODEL OF ASTHMA

Géssica Antunes

Aline Andrea da Cunha; Josiane Silva Silveira; Rodrigo Godinho de Souza; Mariana Severo; Géssica Luana Antunes; Carolina Luft; Daniela Benvenuti Kaiber; Paulo Márcio Pitrez

IN-352

INVESTIGATING LIVER CAPSULE RUPTURE AND THE DYNAMICS OF HEPATIC CX3CR1+ CELLS DURING ACUTE LIVER INJURY

Maria Alice Lopes

Jorge Gomes Goulart Ferreira; Camila Dutra Moreira de Miranda; Gustavo Batista Menezes; Mônica Moraes Santos; Ariane Barros Diniz; Brenda Naemi Lanza Nakagaki; Débora Moreira Alvarenga; Alan Moreira de Araújo; Hortência Maciel de Castro Oliveira; Germán Arturo Bohórquez Mahecha; Bruna Araújo David; Maísa Mota Antunes; Érika de Carvalho; Raquel Carvalho Gontijo Weber

IN-353

LEISHMANIA AMAZONENSIS AND LEISHMANIA BRAZILIENSIS-INFECTED NEUTROPHILS DIFFERENTLY MODULATE DENDRITIC CELL FUNCTION AND INFECTION: IMPACT OF ADENOSINE RECEPTORS.

Martha Suarez

Natalia Tavares; Elvira Saraiva; Amanda Figueredo; Claudia Brodskyn; Luis Afonso Crocco

IN-354

LEISHMANIA INFANTUM LIPOPHOSPHOGLYCAN INDUCED-PROSTAGLANDIN E2 PRODUCTION IS ASSOCIATED TO PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR GAMMA (PPAR-?) BY TOLL LIKE RECEPTORS-1 AND 2

Jonilson Berlink Lima

Nívea Farias Luz; Petter Franco Entringer; Patrícia Torres Bozza; Valéria Matos Borges; Milena Lázaro de Souza¹; Izabela Coimbra Ibraim; Sara de Moura Pontes; Albert Descoteaux; Rodrigo Pedro Soares; Théo Araújo-Santos; Alan Brito Carneiro; Flávio Henrique Jesus-Santos

IN-355

LIVER MACROPHAGES ARE EDUCATED IN UTERUS TO CLEAR BLOOD-BORNE BACTERIA.

Érika de Carvalho

Érika de Carvalho; Raquel Carvalho Gontijo Weber; Hortência Maciel de Castro Oliveira; Viviane Aparecida de Souza Lacerda; Bruna Araujo David; Gustavo Batista Menezes; Maria Alice Freitas Lopes; Ariane Barros Diniz; Matheus Silvério de Mattos; Débora Moreira Alvarenga de Carvalho; Brenda Naemi Lanza Nakagaki; Kassiana Mafra Bicalho; Jorge Gomes Goulart Ferreira; Mila Fernandes Moreira Madeira; Maísa Mota Antunes; Alan Moreira de Araujo; Camila Dutra Moreira de Miranda

IN-356

LOW- LEVEL LASER THERAPY REDUCES THE BRAIN LESION IN EXPERIMENTAL MODEL OF ISCHEMIC STROKE

Regiane Albertini de Carvalho

Márcia Jonathas Guimarães Marques; Fulvio Alexandre Scorza; Carla Alessandra Scorza; Nancy Nohemi Ortiz Villatoro; Débora Daisy da Silva Vogel; Noemi dos Santos Araújo; Flávio Aimbire; Éspere Abrão Cavalheiro; Regiane Albertini

IN-357

LOW ZIKV LOAD INHIBITS INFLAMMASOME ACTIVATION

Priscila Denapoli

Aline Pacheco de Oliveira Lima; Rafaela da Rosa Ribeiro; Jean Pierre Schatzmann Peron; Priscila Martins Andrade Denapoli; Nagela Ghabdan Zanluqui; Ricardo Weinlich; Karina Ramalho Bortoluci



IN-358

M2-MACROPHAGES DERIVED MICROVESICLES PLAY IMMUNOREGULATORY ROLE ON M1 MACROPHAGES THROUGH THE REGULATION OF MIR-155

Juan Sebastian Henao Agudelo

Alvaro Pacheco E Silva Filho; Tarcio Teodoro Braga; Flavia Mafra de Lima; Gabriela Sampaio da Silva; Marcos Antonio Genedeze; Danilo Candido de Almeida; Clarice Silvia Origassa; Veronica Augusta Abad Araujo; Niels Olsen Saraiva Camara

IN-359

MICROGLIA BUT NOT ASTROCYTES ARE ABLE TO CONTROL T. CRUZI INFECTION THROUGH A NLRP3-DEPENDENT NO SECRETION MECHANISM

Aline Lima

Gabriella de França Vicentini; Karina Ramalho Bortoluci; Kely Catarine Matteuci

IN-360

MUCOSAL-ASSOCIATED INVARIANT T CELLS UPREGULATE CROHN'S DISEASE

Ana Eduarda Carvalho

Cristovão Luis P. Mangueira; Karina Ladislau Inacio Carvalho; Leticia Dargenio Garcia; Fernando Flaquer; Luiz Vicente Rizzo; Ana Eduarda Carvalho; Claudia Viero Nora; Thiago Aloia

IN-361

MYCOBACTERIUM BOVIS BCG INDUCES LIPID DROPLETS AND PPARGAMMA EXPRESSION THROUGH TLR2 AND MTOR DEPENDENT PATHWAY

Alan Carneiro

Juliana Victória Barbosa Rangel dos Passos; Patricia Torres Bozza; Henrique Nahal Sanches de Carvalho

IN-362

NLRP3 ACTIVATION AND LYSOSOMAL CATHEPSINS ARE NON-REDUNDANT PATHWAYS THAT OPTIMIZE NAIP/NLRC4 INFLAMMASOME RESPONSES TO FLAGELLIN.

Laura Migliari Branco

Karina Ramalho Bortoluci; Silvia Lucena Lage

IN-363

ORAL FEEDING WITH BIFIDOBACTERIUM BREVE ATTENUATES THE IMMUNE RESPONSE AND THE AIRWAY REMODELING IN A MODEL OF LUNG EMPHYSEMA INDUCED BY CIGARETTE EXTRACT

Flávio Aimbire Soares de Carvalho

Jorge Luis Carvalho; Regiane Albertini; Alexandre Keller; Aurileia Aparecida Brito; Elen Anatriello

IN-364

PARTICIPATION OF MONOCYTES IN THE PATHOGENESIS OF PSORIASIS VULGARIS

Camilla Paixao

Lucas Pedreira de Carvalho; Bruno de Oliveira Rocha; Edgar Marcelino Carvalho; Mariana Carvalho Costa

IN-365

PLACENTAL EXPLANTS AS AN IN VITRO SYSTEM TO STUDY ZIKA VIRUS INFECTION

Luanda Mara da Silva Oliveira

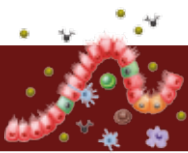
Fabio Seiti Yamada Yoshikawa; Gabriel Costa Carvalho; Maria Notomi Sato; Anna Claudia Calvielli Castelo Branco; Alexia Angel Ramos; Alberto Jose da Silva Duarte

IN-366

PROGESTERONE DOWNREGULATES NLRLP1 AND NLRP3 INFLAMMASOMES IN MONOCYTES FROM PREGNANT WOMEN WITH PREECLAMPSIA

Mariana Leticia Matias

Vanessa Rocha Ribeiro; Vera Therezinha Medeiros Borges; Maria Terezinha Serrao Peracoli; Priscila Rezek Nunes; Jose Carlos Peracoli; Mariana Romao-Veiga



IN-367

PROPOLIS IN COMBINATION WITH LPS MODULATES CELL SURFACE MARKERS EXPRESSION BY HUMAN MONOCYTES

Bruno Jose Conti

Fernanda Lopes Conte; Lucas Pires Garcia Oliveira; Maria Teresa Cruz; Karina Basso Santiago; Eliza de Oliveira Cardoso; Marjorie de Assis Golim; José Maurício Sforcin

IN-368

RELEVANCE OF HYPOXIA INDUCIBLE FACTOR (HIF) ACTIVATION IN PHAGOCYTES RESPONSE TO AGGREGATIBACTER ACTINOMYCETEMCOMITANS.

Felipe Cezar Pinheiro de Mato

Marco Aurélio Ramirez Vinolo; Bruna Karadi Silva; Lais Passariello Pral

MOLECULAR IMMUNOLOGY (MI)

MI-400

MICRORNA EXPRESSION IN SPLEEN LEUKOCYTES FROM DOGS WITH VISCERAL LEISHMANIASIS

Jaqueline Poletto Bragato

Larissa Martins Melo; Gabriela Torres Rebech; Flávia de Rezende Eugênio; Leandro Encarnação Garcia; Gabriela Lovizutto Venturin; Flavia Lombardi Lopes; Paulo Sergio Patto dos Santos; Valéria Marçal Felix de Lima

MI-401

MOLECULAR DEGREE OF PERTURBATION: A TOOL TO EXAMINE SAMPLE HETEROGENEITY IN SYSTEMS IMMUNOLOGY STUDIES

Melissa Lever

Flavio Lichtenstein; Helder Nakaya

MI-402

MOLECULAR MODELING AND IN SILICO CHARACTERIZATION OF ORF1 (LV-ORF1) FROM LEISHMANIA RNA VIRUS 1

Jessica Emily de Souza Cruz Cazeiro

Fábio Kendi Tamaki, Alessandro Taunay Rodrigues, Lucas de Sousa Pontes, Vaneska Sales da Silva, Louyse Teixeira de Souza, Mariana Falcão, Lucas Almeida Linhares, Mariana Férrer Moreira Ciríaco, José Ednézio Freire

MI-403

NPSR1 POLYMORPHISMS ARE ASSOCIATED WITH CHILDHOOD ASTHMA AND ATOPY IN A BRAZILIAN POPULATION

Helena Mariana Teixeira

Maurício Barreto; Ryan S Costa; Candace M Andrade; Neuza Maria Alcantara-Neves; Camila A Figueiredo; Talita dos Santos de Jesus

MI-404

POLYMORPHISM IN MRPL4 IS ASSOCIATED WITH ASTHMA AND ASTHMA SEVERITY IN SALVADOR/BA

Maria Borges Rabelo de Santana

Milca de Jesus Silva; Ryan dos Santos Costa; Maurício Lima Barreto; Talita dos Santos de Jesus; Neuza Maria Alcântara-Neves; Camila Alexandrina Figueiredo

MI-405

POLYMORPHISMS IN THE CYSLTR2 AND ASSOCIATION WITH ASMA AND SEVERITY IN BRAZILIAN POPULATION

Talita dos Santos de Jesus

Maurício Lima Barreto; Camila Alexandrina Figueiredo; Milca de Jesus Silva; Neuza Maria Alcântara-Neves; Helena Mariana Pitangueira Teixeira; Ryan dos Santos Costa; Maria Borges Rabêlo de Santana

TRANSPLANTATION AND IMMUNOGENETICS (TR)

TR-413

GENETIC POLYMORPHISM (RS6587666) IN THE FILAGGRIN GENE AS A PROTECTIVE FACTOR FOR ECZEMA IN A BRAZILIAN POPULATION

Raimon Silva

Camila Alexandrina Figueiredo; Thiago Magalhães da Silva; Pablo Oliveira; Gerson de Almeida Queiroz; Hugo Bernardino Ferreira da Silva; Norma Vilany Queiroz Carneiro; Maurício Lima Barreto; Agostino Strina; Ryan Costa; Gustavo Nunes de Oliveira Costa; Anaque Pires



TR-414

GENOME-WIDE BURDEN AND ASSOCIATION ANALYSES IMPLICATE COPY NUMBER VARIATIONS IN ASTHMA RISK AMONG LATIN AMERICANS

Pauane dos Santos Pereira

George C. G. Barbosa; Maria F. Lima-Costa; Pablo Oliveira; Andresa K. A. Damasceno; Camila A. Figueiredo; Maurício L. Barreto; Laura C. Rodrigues; Dailan S. R. Conceição; Gustavo N. O. Costa

TRANSPLANTATION AND IMMUNOGENETICS (TI)

TI-423

GENE EXPRESSION IN PULMONARY ADENOCARCINOMA META-ANALYSIS IDENTIFIES SIX DOWNREGULATED IMMUNOLOGICAL PROCESSES

Fernanda Santos

Leandro Martins de Freitas

TI-424

HPV INFECTION AND PROGRESSION TO HPV-ASSOCIATED CERVICAL CARCINOMA AFFECT INFLAMMASOME ACTIVATION IN MONOCYTES.

Fernanda Pereira Fernandes

TI-425

MEMBRANE LIPID-THERAPY BY SURFACTANT LIQUID OXIDIZED PHOSPHOLIPIDS ON LUNG CARCINOMA TUMOR

Carlos Sorgi

Edson Alves Gabriel Junior; Carlos Artério Sorgi; Luana da Costa Loureiro; Lúcia Helena Faccioli; Luma da Costa Loureiro

TI-426

MODULATION OF ANTI-TUMOR, CD8-MEDIATED IMMUNE RESPONSE BY GENETICALLY MODIFIED INFECTIOUS AGENTS DEPENDS ON RIPK3 AND CASPASE-1

Aamir Rana

Felipe C. de Almeida; Maryanne M. Gonzales-Carazas; Gustavo P. Amarante-Mendes; Henry A. Paico Montero; Karina R. Bortoluci

TI-427

NEOANTIGENS LANDSCAPE, T AND B CELL RECEPTOR REPERTOIRES IN ESOPHAGEAL SQUAMOUS CELL CARCINOMA

Luciana Rodrigues Carvalho Barros

TI-428

PERIPHERAL BLOOD AND TUMOR IMMUNOSUPPRESSIVE CYTOKINES LEVELS IN PATIENTS WITH ORAL SQUAMOUS CELL CARCINOMA

Rafael Luiz Vieira Mercuri

Camila da Silva Souza; Rosalina Guedes Donato Santos; Marcus Antônio de Mello Borba; Songeli Menezes Freire; Alex José Leite Torres; Deise Souza Vilas Bôas; Clarice Ribeiro Lira; Rafael da Fonseca Carvalho; Iguaracyra Barreto de Oliveira Araujo; Jean Nunes dos Santos; Roberto Meyer

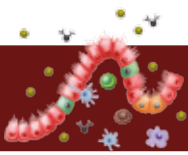
VACCINES (VC)

VC-443

ELECTROPORATION IN VIVO: AN EFFECTIVE TOOL FOR THE DELIVERY OF A DNA VACCINE DESIGNED TO FIGHT HPV-ASSOCIATED CANCER

Natiely Silva Sales

Natiely Silva Sales; Jamile Ramos da Silva; Luana Raposo de Melo Moraes Aps; Luís Carlos de Souza Ferreira; Mariana de Oliveira Diniz; Mariângela de Oliveira Silva; Bruna Felício Milazzotto Maldonado Porchia



VC-444

EPITOPE MAPPING AND DEVELOPMENT OF A MULTICOMPONENT VACCINE BASED IN PUTATIVE SALIVARY PROTEINS OF RHIPICEPHALUS MICROPLUS TICK

Luiz Gustavo Nogueira de Almeida

Andressa Fisch; Mariana Oliveira Nascimento; Jennifer Midiani Gonella; Isabel Kinney Ferreira de Miranda Santos; Luiz Gustavo Nogueira de Almeida; Isabela Pazotti Daher; Bogar Omar Araujo Montoya; Beatriz Rossetti Ferreira

VC-445

EVALUATION OF THE CELLULAR AND HUMORAL RESPONSE INDUCED BY THE MENINGOCOCCAL C CONJUGATE VACCINE DEVELOPED IN BIO-MANGUINHOS/FIOCRUZ

Etiene Moreira Gabriel

Denise da Silva Gomes Pereira; Maria de Lourdes Moura Leal; Ivna Alana Freitas Brasileiro da Silveira; Fernanda Otaviano Martins; Patrícia Cristina da Costa Neves; Ana Paula dos Santos

VC-446

EXPLORING ADJUVANT'S POTENTIAL TO MODULATE CELLULAR IMMUNE RESPONSES USING A CHIMERIC ANTI-DEC205 HIV VACCINE

Victória Lunardelli

VC-447

GENERATION OF TRANSGENIC UROPORPHYRIC LEISHMANIA BRAZILIENSIS AS A TOOL FOR PHOTODYNAMIC VACCINATION

Sayonara Viana

Rohit Sharma; Kwang Poo Chang; Sayonara de Melo Viana; Bala Kolli; Camila Indiani de Oliveira

VC-448

HOMOLOGOUS ZIKA ENVELOPE PROTEIN REGIMEN INDUCES HIGHER SPECIFIC IMMUNE RESPONSES THAN HETEROLOGOUS REGIMEN

Marcelo Pires Amaral

Higo Fernando Santos Souza; Victoria Alves Santos Lunardelli; David Peters dos Santos; Silvia Beatriz Boscardin; Fernanda Caroline Coirada de Oliveira; Nádia Tomita; Juliana de Souza Apostolico; Edgar Ruz Fernandes; Lígia Morganti; Daniela Santoro Rosa

VC-449

IMMUNOGENICITY OF SUBUNIT VACCINES BASED ON CHIKUNGUNYA ENVELOPE PROTEIN

Nadia Tomita

Marcelo Pires Amaral; Juliana de Souza Apostolico; Rosa Maria Chura-Chambi; Silvia Beatriz Boscardin; Fernanda Caroline Coirada; Daniela Santoro Rosa; Higo Fernando Santos Souza; Lígia Morganti

VC-450

INTRAMUSCULAR ADMINISTRATION OF THE INSTITUTO BUTANTAN (IB) FLU VACCINE WITH OIL-IN-WATER EMULSION AS AN ADJUVANT INDUCED PRODUCTION OF NEUTRALIZING ANTIBODIES AND LOCAL RECRUITMENT OF ANTIGEN-PRESENTING CELLS AND NEUTROPHILS

Stefanni Liliane Chavez Rico

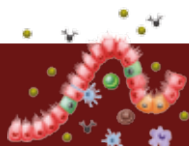
Ho, P. L.; Rodrigues, T. C.; Miyaji, E. N.; Soares-Schanoski, A.; Castro, J. T.; Oliveira, M. L. S

VC-451

INTRANASAL VACCINATION WITH LEISHMANIA AMAZONENSIS ANTIGENS PROTECTS BALB/C MICE BY A RETINOL-DEPENDENT MECHANISM

Izabella Bezerra

Bartira Rossi-Bergmann; Lucas Antonio Miranda Ferreira



OCTOBER, 05th

CELLULAR IMMUNOLOGY (CE)

CE-048

OBESITY OR DYSBIOSIS: WHAT COMES FIRST??

Isabelle Mazza Guimaraes

Karla Rodrigues Miranda; Alberto Nobrega; Airton Pereira E Silva; Karen de Jesus Oliveira; Regina Maria Cavalcanti Pilotto Domingues; Mauricio Afonso Vericimo; Gerlinde Platais Brasil Teixeira; Amanda Brum

CE-049

PARALLEL OF EFFECTS ON DENGUE AND ZIKA VIRUS ON CYTOKINE EXPRESSION BY PERIPHERAL BLOOD MONONUCLEAR CELLS OF NAÏVE INDIVIDUALS IN VITRO

Leonardo Alves

Laila Sampaio Horta; Angélica Samer Lallo Dias; Helton da Costa Santiago

CE-050

PGE2 IMPAIRS TH17 DIFFERENTIATION AND INTESTINAL HOST DEFENSE DURING EFFEROCYTOSIS OF INFECTED CELLS

Naiara Dejana

Allan Botinhon Orlando; Ana Codo; Ana C G Salina; Letícia de Aquino Penteado; Júlia Bazzano; Alexandra Ivo de Medeiros

CE-051

PROPIONIBACTERIUM FREUDENREICHII SURFACE PROTEIN SLPB IS INVOLVED IN ADHESION TO INTESTINAL HT-29 CELLS

Fillipe Luiz Rosa do Carmo

Houem Rabah; Floriane Gaucher; Song Huang; Martine Deplanche; Stéphanie Dutertre; Julien Jardin; Yves Le Loir; Bárbara Fernandes Cordeiro; Sara Heloisa da Silva; Rodrigo Dias de Oliveira Carvalho; Vasco Azevedo; Gwénaél Jan

CE-052

PROSTAGLANDIN E2 VIA EP2/EP4 RECEPTORS TRIGGERS TH17 CELLS DIFFERENTIATION INTO TH1 CELLS

Júlia Miranda Ribeiro Bazzano

Naiara Naiana Dejana; Alexandra Ivo de Medeiros

CE-053

REGULATION OF BIOLOGY OF HUMAN DENDRITIC CELLS BY UROPATHOGENIC ESCHERICHIA COLI (UPEC).

Elane Maciel

Daniela Bernardes; Sarah Falcão; Cecilia Favali; Lucas Caxanga; Tatiana A. de Campos

CE-054

REGULATION OF MACROPHAGE POLARIZATION VIA ADRENERGIC SIGNALING.

Beatriz Marton Freire

CE-055

RELATIONSHIP BETWEEN GENETIC POLYMORPHISM AND TUBERCULOSIS SUSCEPTIBILITY

Rigneia Silva

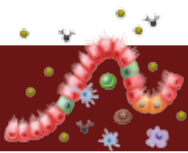
Alice Freitas de Andrade Pereira; Julia Bitencourt Cardoso dos Prazeres; Iukary Oliveira Takenami; Rigneia Armentano da Silva; Cássia Regina Reis Muniz

CE-056

RIPK1-RIPK3-MLKL-ASSOCIATED NECROPTOSIS DRIVES LEISHMANIA INFANTUM KILLING ON NEUTROPHILS

Laiana Arlego Barbosa

Valéria Matos Borges; Nivea Farias Luz; Fellipe dos Anjos Rolim; Jonilson Berlink Lima; Francis Ka-Ming Chan; Deboraci Brito Prates; Paloma Peixoto dos Santos Fiuza; Letícia Jambeiro Borges; Grazielle Quintela de Carvalho; Marcelo Torres Bozza; Roque Pacheco Almeida



CE-057

ROLE OF THE TRANSCRIPTIONAL REPRESSOR IRF2BP2 ON CD4 T CELL HOMEOSTASIS AND RESPONSE

Barbara Vieira

Cristiane Secca; Giuliana Mognol; Joao P. B. Viola; Barbara Vieira; Fabio B. Canto; Anjana Rao

CE-058

SALIVARY PGE2 FROM AMBLYOMMA SCULPTUM TICKS SKEW ANTIBODY PRODUCTION TO RICKETTSIA RICKETTSII TOWARD A TH2 PHENOTYPE

Eliane Esteves

Bruna Bizzarro; Marcelo Bahia Labruna; Celio Lopes Silva; Carlos Arterio Sorgi; Anderson Sá-Nunes; Eliane Esteves; Francisco Borges Costa; Pedro Ismael Silva Junior; Lúcia Helena Faccioli; Andrea Cristina Fogaça

CE-059

SENSITIZATION WITH MITE ALLERGENS AND CPG-ODN PREVENTS ASTHMA-LIKE RESPONSES INDUCED BY BLOMIA TROPICALIS EXTRACT

Fernanda Nunes

Fernanda Peixoto Barbosa Nunes; Eliane Gomes; Momtchilo Russo; Ricardo Alberca Custódio; Alexis Labrada Rosado

CE-060

SHORT-TERM INGESTION OF HIGH FAT DIET ALTERS LIVER IMMUNOLOGIC MILIEU

Viviane Aparecida de Souza Lacerda

Ariane Barros Diniz; Débora Moreira Alvarenga de Carvalho; Raquel Carvalho Gontijo Weber; Josiana Lopes Sabino; Érika de Carvalho; Matthew Ricci; Gustavo Batista Menezes; Hortência Maciel de Castro Oliveira; Mônica Moraes Santos; Viviane Aparecida de Souza Lacerda; Maísa Mota Antunes; Brenda Naemi Lanza Nakagaki; Débora Romualdo Lacerda; Alan Moreira de Araújo; Sridhar Radhakrishnan; Adaliene Versiane M. Ferreira; Maria Alice Freitas Lopes; Bruna Araújo David

CE-061

STUDY OF CYTOTOXIC CD4+ T CELLS IN THE CONTEXT OF EXPERIMENTAL TRYPANOSOMA CRUZI INFECTION

Carlos Henrique Dantas Barbosa

Fabio Barrozo do Canto; Ana-Carolina Oliveira; João Francisco Gomes Neto; Alberto Nobrega; Maria Bellio

CE-062

THE EFFECT OF RESOLVIN D1 SERIE (RVD1) ON MEMORY CD8 T CELLS RESPONSE.

Rafael Zanin

Ana Paula Duarte de Souza; Deise do Nascimento de Freitas¹

CE-063

THE MODULATION OF CD1D LIPID ANTIGEN PRESENTATION IN ZIKV INFECTION

Heloísa Braz de Melo

Raquel Das Neves Almeida; Igor de Oliveira Santos; Kelly Grace Magalhães; Heloísa Antoniella Braz de Melo; Rafael Corrêa

CE-064

THE MOLECULAR CHAPERONE, UNC93B1 AND THE CALCIUM SENSOR STIM1: PARTNERS FOR MHC CLASS I ANTIGEN CROSS PRESENTATION

Clarissa Nascimento

V. Lannoy; N. Demaurex; Manoury B; S. Maschalidi; P. Nunes; T. Capiod; G. Darrasse-Jèze

CE-065

THE ROLE OF LEGIONELLA PNEUMOPHILA TYPE IV SECRETION SYSTEM AND FLAGELLIN IN THE MODULATION OF LIPID DROPLET BIOGENESIS AND LIPID ANTIGEN PRESENTING MOLECULE CD1D EXPRESSION IN HOST CELLS

Gabriel Araujo

CE-066

THE ROLE OF NEDD4-2 PATHWAY DURING TREG CELLS DIFFERENTIATION AND FUNCTION

Cesar Speck Hernandez

Jose Carlos Alves Filho; Cesar Augusto Speck Hernandez; Paulo Henrique Melo



CE-067

THE ROLE OF NLRP3 INFLAMMASOME IN DIET-INDUCED OBESITY AND LIPID METABOLISM

Livia Dourado
Kelly Grace Magalhaes; Luís Henrique Costa Corrêa Neto

CE-068

THE ROLE OF NOX2 IN OSTEOCLASTOGENESE

Mariana Soares Pena Ribeiro

CE-069

THE USE OF BCG VACCINE INCREASES SPLENIC CELL-NUMBERS THAT IS RELATED TO GREATER SURVIVAL IN A MODEL OF MELANOMA TUMOR GRAFTED INTO THE PINNA OF THE EAR OF C57BL/6 MICE.

Maiara Nelma Bonfim Costa
Cayo Abreu; Fabiola Cardillo; Rosa Pinho; Jose Mengel

CE-070

TX527 AN ACTIVE VITAMIN D ANALOGUE DRASTICALLY REDUCES MORTALITY IN A TNBS INFLAMMATORY BOWEL DISEASE MODEL IN ZEBRAFISH.

Tatiana Takiishi

CHEMOKINES AND TRAFFICKING (CT)

CT-073

CXCL12 AND CCL25 INCREASE MIGRATION OF TUMORAL CELLS IN CONDITIONAL MEDIUM FROM BABL/C OBESE MICES

Gabriela Evangelista
Pollyanna Amaral Salvador; Jacy Gameiro

CLINICAL IMMUNOLOGY (CI)

CI-092

SLEEP DEPRIVATION AGGRAVATES ALLERGIC LUNG INFLAMMATION THROUGH A TH-17 PATHWAY

Juliana Apostolico
Alexandre Castro Keller; Edgar Ruz Fernandes; Monica Levy Andersen; Daniela Santoro Rosa; Jethe Nunes de Oliveira Filho; Franciele Ruiz da Silva

CI-093

STUDY OF TREG PHENOTYPE DURING DENGUE VIRUS INFECTION IN HUMANS

Marcela Helena Gonçalves Pereira de Oliveira

CI-094

SYSTEMIC LEVELS OF IL-17A AND TGF- β IN PATIENTS WITH DIFFERENT DEGREES OF TEMPOROMANDIBULAR DISORDERS

Karina Job Di Laccio

CI-095

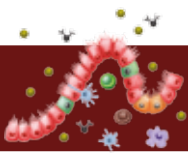
THE CD95 IS AN ESSENTIAL APOPTOSIS PATHWAY IN HUMAN MONOCYTES UPON MOREAU BCG VACCINE INFECTION

Sandra Ribeiro
Luíz Castello-Branco; Lucas Gaudie-Ley; Rayanne Souza; Carlos Ponte; Paulo Antas; Alana Oliveira

CI-096

THE MALARIA AND LEISHMANIASIS PARASITISM AS POTENTIAL IMMUNOMODULATORS DURING THE BCG VACCINE INFECTION IN HUMAN MONONUCLEAR CELLS

Carlos Ponte
Sandra Ribeiro1; Paula de Luca; Luíz Castello-Branco; Rayanne Souza; Paulo Totino; Leticia Lery; Paulo Antas



CI-097

THE MOREAU BCG STRAIN INDUCES ALTERED PHENOTYPIC MARKERS ON HUMAN DENDRITIC CELLS ASSOCIATED TO VACCINE VIABILITY

Matheus Almeida

Maria Esther Tonus; Luiz Castello-Branco; Sandra Ribeiro; Paulo Antas; Carlos Ponte; Ana Cristina Nogueira; Rayanne Ribeiro; Lawrence Albuquerque

CI-098

THE MOREAU BCG VACCINE INDUCES DECTIN-1, CD284, EP-2 AND CD80 AS PHENOTYPIC MARKERS IN HUMAN MONOCYTES

Lawrence Albuquerque

Luiz Castello-Branco; Paulo Antas; Carlos Ponte; Matheus Almeida

CI-099

THE SEVERITY OF ASTHMA IS ASSOCIATED WITH EXPANSION OF CIRCULATING TH17-LIKE PHENOTYPES

Letícia Delphim

Priscila Mendonça do Sacramento; Mariana Ramos Assis; Ana Lúcia Maranhão; Ulisses C. Linhares; Letícia Delphim; Isabelle Lopo; Marco Octávio Cafasso; Larissa Relva Endlich; Sonia Regina da Silva; Cleonice A. M. Bento; Gabriel Fernandes; Felipe Tavares

CI-100

THE STEROID HORMONE DEHYDROEPIANDROSTERONE (DHEA) DOWN REGULATED TNF PRODUCTION BY HUMAN MONOCYTES: A POTENTIAL NOVEL THERAPEUTICAL APPROACH FOR CROHN'S DISEASE?

Murillo Silva

Carlos Augusto Nassar; Viviani Nardini; Murillo Duarte Silva; Patrícia Oehlmeyer Nassar; Cristina Ribeiro de Barros Cardoso

EDUCATION IN IMMUNOLOGY (EI)

EI-104

DISCOVERING IMMUNOLOGY FOR UNDERGRADUATE STUDENTS: THE CHALLENGE OF GETTING STARTED

Lília Câmara

Lorena Chagas Sousa; Marília Alves Furtado; Luiz Carlos Albuquerque Pinto; Dilson Feitosa da Silva; Letícia Kelly Costa Silva; Cássio Marinho Campelo

HUMORAL IMMUNOLOGY (HI)

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SUSTAINED AUTOANTIBODY RESPONSE CORRELATES WITH SPECIFIC ANTI-NS1 SERUM ANTIBODY LEVELS DURING ZIKV INFECTION

Vicente Bozza

Ronaldo M. Borges; Andre M. Vale; Cecília B. Cavazzoni; Iranaia Miranda; Alberto Nobrega

IMMUNOLOGY OF INFECTIOUS AND PARASITIC DISEASES (ID)

ID-190

NAÏVE AND MEMORY REGULATORY T CELLS IN VISCERAL LEISHMANIASIS PATIENTS

Rephany Fonseca Peixoto

Ronara Adriane Gonçalves Cambuí; Tatjana Keesen de Souza Lima; Bruna de Gois Macêdo; Cinthia Nóbrega Sousa Dias

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Thamara Fonseca de Oliveira

Elvira Maria Saraiva



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NLRP12 DEFICIENCY INCREASES OSTEOCLAST ACTIVITY IN PERIAPICAL LESION

Sandra Yasuyo Fukada
Fernando de Queiróz Cunha; Thaise Mayumi Taira

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NO, ROS AND IL-17 AFTER PD-1 BLOCKADE IN SPLEEN LEUKOCYTES IN CANINE VISCERAL LEISHMANIASIS.

Valéria Lima
Gabriela Lovizutto Venturin; Larissa Martins Melo; Sidnei Ferro Costa; Gabriela Torres Rebech; Jaqueline Poletto Bragato; Lucas Takeshi Siqueira Ito

ID-194

OBESITY INCREASED THE SUSCEPTIBILITY TO MYCOBACTERIUM TUBERCULOSIS AND ALTERED GUT MICROBIOTA IN MURINE MODEL

Sandra Palma Albornoz
Daniela Carlos; Tamara Silva Rodrigues; Isis do Carmo Kettelhut; Vânia Luiza Deperon Bonato; Thaís Barbosa Bertolini; Rômulo Silva de Oliveira; Ana Flávia Gembre; Leandra Zambelli Ramalho

ID-195

ORAL TOLERANCE TO HEART ANTIGENS MODULATES INFLAMMATION IN ACUTE CHAGAS MYOCARDITIS

Archimedes Barbosa de Castro Junior
Andrea Henriques Pons; Archimedes Barbosa de Castro Junior; Elisabeth Marostica; Hugo Caire de Castro Faria Neto; Samuel Datum Moscovitch

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Priscila Guerra
Juliana de Souza Rebouças; Ana Maria Caetano de Faria; Rafael Teixeira Tibúrcio dos Santos; Daniel Ferreira Feijó; Cláudia Ida Brodskyn

ID-197

P2X7 RECEPTOR DRIVES TH1 CELL DIFFERENTIATION AND CONTROLS THE FOLLICULAR HELPER T CELL POPULATION TO PROTECT AGAINST PLASMODIUM CHABAUDI MALARIA

Érika Machado de Salles
Isabela Cunha; Flávia Sarmiento Vieira; Carlos Edurado Tadokoro; Robson Coutinho-Silva; Renan Siqueira; Eduardo Pinheiro Amaral; Alexandra dos Anjos Cassado; David Nicholas Olivieri; José Maria Alvarez; Maria Regina D'império Lima; Maria Nogueira de Menezes; Henrique Borges da Silva; Sheyla Inés Castillo-Mendez

ID-198

PHLOROGLUCINOL DERIVATIVES FROM HYPERICUM SPECIES TRIGGER MITOCHONDRIAL DYSFUNCTION IN LEISHMANIA AMAZONENSIS

Vivian Oliveira Nunes Teixeira
Alessandra Peres; Pedro Roosevelt Torres Romão; Ana Paula Aquistapase Dagnino; Luiz Carlos Rodrigues Júnior; Gilsane Lino Von Poser; Gilson Pires Dorneles

ID-199

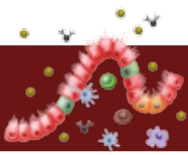
PREVALENCE OF IGG ANTI- NEOSPORA CANINUM ANTIBODIES IN HORSES IN RECÔNCAVO OF BAHIA

Cleuza Santos Almeida
Caroline Dantas Primo Marques; Alexandre Moraes Pinheiro; Keila Patrícia Cardoso Rocha

ID-200

RECOMBINANT RHOPTRY PROTEIN 4 FROM NEOSPORA CANINUM (RNCROP4) DISPLAYS REGULATORY PROFILE ABLE TO PROTECT AGAINST PARASITE INFECTION AND TREATS TOXOPLASMA GONDII INDUCED ILEITIS

Carolina Salomão Lopes
Mylly Spirandelli da Costa; Fernanda Maria Santiago; Tiago Wilson Patriarca Mineo; Eliézer Lucas Pires Ramos; Tamires Lopes Silva; Mariana Ferreira Silva; Murilo Vieira da Silva; Caroline Martins Mota; Vanessa dos Santos Miranda; Jacqueline Pádua de Queiroz; José Roberto Mineo; Carolina Salomão Lopes; Flávia Batista Ferreira; Vanessa Resende Souza Silva; Patrício da Silva Cardoso Barros



ID-201

REGULATION BY MYELOID-DERIVED SUPPRESSOR CELLS DURING CRYPTOCOCCUS NEOFORMANS INFECTION

Juliana Rocha

Juliana Rocha; Marise P. Numes; Celio G. Freire-de-Lima; Izabel F. Larocque-de-Freitas; George A. Dosreis; Debora Decote-Ricardo

ID-202

RESOLUTION OF INFLAMMATION MAY BE DEFECTIVE IN VISCERAL LEISHMANIASIS PATIENTS

Gabriela Pessenda

Alyne K. M. de Santana; Kiyoshi F. Fukutani; Amélia M. R. de Jesus; João Santana da Silva; Sandra R. C. Maruyama; Roque P. de Almeida; Vanessa C. Pereira

ID-203

RESTORING EXHAUSTED IMMUNE RESPONSE IN MOUSE MODEL OF CHRONIC CHAGAS' DISEASE

Raissa Fonseca

Rafael Moysés Salgado; José M. Alvarez; Maria Regina D'império Lima

ID-204

ROLE OF A PROSTAGLANDIN E SYNTHASE DURING TRYPANOSOMA BRUCEI INFECTION

Vinicius Costa Souza Ferreira

Laura Ramirez; Mariana Bonilla; Camila Indiani de Oliveira; Rohit Sharma; Sofía Zardo; Marcelo Comini

ID-205

SHORT-CHAIN FATTY ACIDS INDUCE TYPE I INTERFERON PRODUCTION PRESENTING ANTIVIRAL ACTIVITY AGAINST RESPIRATORY SYNCYTIAL VIRUS INFECTION

Ana Paula Duarte de Souza

Renato Tetelbom Stein; Krist Helen Antunes; Marco Aurelio Vinolo; José Eduardo Vargas

ID-206

SINGLE NUCLEOTIDE POLYMORPHISMS OF IL6 (RS1800795) AND IL10 (RS1800896) ARE ASSOCIATED WITH CHRONIC INFECTION BY HEPATITIS B AND C VIRUSES

Rodrigo Arcoverde Cerveira da Silva

Angélica Menezes Santiago; Mauro Araújo; Ricardo Ishak; Ednelza Graça Amoras; Simone Conde; Antonio Carlos Rosário Vallinoto

ID-207

SLEEP DEPRIVATION IMPAIRS THE IMMUNITY AGAINST PLASMODIUM YOELII AND INCREASES MORTALITY UPON INFECTION

Edgar Ruz Fernandes

Fernando Bandeira Sulczewski; Silvia Beatriz Boscardin; Daniela Santoro Rosa; Marcela Luize Barbosa; Monica Levy Andersen; Alexandre Castro Keller

ID-208

SPECIFIC IMMUNOLOGICAL BIOMARKERS FROM YELLOW FEVER VIRUS-INFECTED PATIENTS ARE ASSOCIATED WITH DISTINCT CLINICAL OUTCOMES

Vanessa Peruhype-Magalhães

Ana Carolina Campi-Azevedo; Lis Ribeiro do Valle Antonelli; Ismael Artur Rocha; Bárbara Reis Silvestrini; Raiany Araújo Santos; Pedro Augusto Carvalho Costa; Elaine Speziali de Faria; Jordana Graziella Coelho-dos-Reis; Jordana Rodrigues Barbosa Fradico; Olindo Assis Martins-Filho; Maria Rita Teixeira Dutra; Vanessa Peruhype-Magalhaes; Thalles Souza Lopes; Larissa Chaves Freire; Heloísa Alves Costa; Lorena Júnia de Souza; Roberta Oliveira Prado; Denise Silveira-Lemos; Bruna Estefânia Diniz Frias; Leonardo Soares Pereira; Andréa Teixeira-Carvalho; Dario Brock Ramalho

ID-209

STABILITY OF CHICKEN RED BLOOD CELLS FOR USE IN INDIRECT HEMAGGLUTINATION TEST.

Brenda Valerio Souza

Cleuza Santos Almeida; Keila Patrícia Cardoso Rocha; Diana de Oliveira Silva Azevedo; Alexandre Moraes Pinheiro



ID-210

SUSCEPTIBILITY OF DENDRITIC CELLS FROM INDIVIDUALS WITH SCHISTOSOMIASIS TO INFECTION BY LEISHMANIA BRAZILIENSIS

Diego Mota Lopes

Maria Ilma Araujo; Tarcísio Vila Verde S. de Almeida; Brady Page; Robson da Paixão de Souza; Luís Eduardo V. S. Ribeiro; Edgar M. Carvalho

ID-211

SYNTHETIC PEPTIDES FROM PORPHYROMONAS GINGIVALIS LYS-GINGIPAIN TO STUDY IMMUNE RESPONSE IN CHRONIC PERIODONTITIS

Santos-Lima Ekn

Ana Carla Montino Pimentel; Lília Ferreira de Moura Costa; Márcia Tosta Xavier; Kizzes Araújo Paiva Andrade Cardoso; Paulo Cirino de Carvalho Filho; Roberto José Meyer Nascimento; Soraya Castro Trindade

ID-212

T HELPER CYTOKINES AND LEPTIN IN ACUTE TRYPANOSOMA CRUZI INFECTION

Juliana Machado

Marcos Vinícius da Silva; Marlene Antônia dos Reis; Patricia Nagib Loyola; Ruy Souza Lino; Juliana Reis Machado; Vera Lúcia de Almeida; Virmondos Rodrigues; Milton Adriano Pelli de Oliveira; Mara Rúbia Nunes Celes; Pollyana Guimarães de Oliveira

ID-213

THE ABSENCE OF LEPTIN RECEPTOR DECREASES THE SUSCEPTIBILITY TO LEISHMANIA AMAZONENSIS

Felipe Caixeta Moreira

Tatiani Uceli Maioli

ID-214

THE IDO-AHR AXIS CONTROLS TH17/TREG IMMUNITY IN A PULMONARY MODEL OF PARACOCCIDIOIDOMYCOSIS

Flávio Loures

Claudia Feriotti; Nycolas Willian Preite; Eliseu Frank de Araujo; Nayane Alves de Lima Galdino; Vera Lúcia Garcia Calich

ID-215

THE IMPACT OF CO-INFECTION WITH CITROBACTER RODENTIIUM ON MORTALITY AND MORBIDITY DURING EXPERIMENTAL MALARIA INFECTION

Luara Isabela dos Santos

Ricardo Tostes Gazzinelli; Lis Ribeiro do Valle Antonelli; Suelen Queiroz Diniz; Kevin Joseph Maloy; Thais Abdala Torres

ID-216

THE LPG-DEFECTIVE MUTANTS (LPG2-KO): A STRATEGIC TOOL TO UNDERSTANDING MECHANISMS IN THE L. INFANTUM-HOST INTERPLAY

Flávio Jesus Santos

Jonilson Berlink Lima; Valéria Matos Borges; Albert Descoteaux; Leonardo Paiva Farias; Jéssica Lobo da Silva

ID-217

THE LUNG/GUT AXIS DURING INFLUENZA A VIRUS INFECTION

Francois TROTTEIN

ID-218

THE MICROBIAL METABOLITE-SENSING GPR43 RECEPTOR AND THE MICROBIAL METABOLITE ACETATE ARE IMPORTANT TO HOST DEFENSE AND IMMUNE MODULATION AGAINST LUNG BACTERIAL INFECTIONS

Izabela Galvao

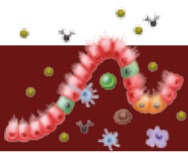
Vitor Melo Rocha; Gabriela Leles; Mauro M. Teixeira; Charles R. Mackay; Angelica T. Vieira; Luciana P. Tavares; Cristiana C. Garcia; Flaviano S. Martins; Sergio C. Oliveira; Marco Aurélio Vinolo

ID-219

THE ROLE OF AXL DURING INFECTION BY ZIKA VIRUS IN SJL AND C57BL/6 MICE.

Lilian Oliveira

Nagela Ghabdan Zanluqui; Carla Longo de Freitas; Jean Pierre Schatzmann Peron; Carolina Manganeli Polonio; Cristiano Rossato



ID-220

THE ROLE OF IFNG SNP FOR SUSCEPTIBILITY TO OCULAR TOXOPLASMOSIS IN NEWBORNS CONGENITAL CASES FROM RIO DE JANEIRO

Leonardo Souza

Lívia Mattos Martins; Lílian Maria Garcia Bahia de Oliveira; Carlos Henrique Rodrigues Pereira; Rhônia Rosa Gomes França; Alba Lucínia Peixoto Rangel

ID-221

THE ROLE OF IL-27 E IL-35 IN HUMAN CUTANEOUS LEISHMANIASIS

Alynne Santana

Ciro M Gomes; Cristiane M Milanezi; Vanessa Carregaro; Roque Pacheco de Almeida; Gaurav Gupta; Aline Turatti; Roberto Bueno Filho; Ana M Roselino; João Santana da Silva

ID-222

THE ROLE OF T CELLS IN THE CONTROL OF ZIKV INFECTION

Carolina Gonçalves de Oliveira Lucas

Luciana Arruda; Vinicius Suzart; Andre Vale; Heitor Neto; Fabricio Montalvao; Sharton Vinicius; Pedro Coelho; Marcelo Bozza; Cecilia Cavazzoni; Renata Meirelles; Jamil Kitoko; Michelle Papa

ID-223

THE ROLE OF THE ALVEOLAR EPITHELIUM TO MYCOBACTERIUM TUBERCULOSIS INFECTION

Tamara Silva Rodrigues

Annie Piñeros; Thaís B. Bertolini; Sandra Palma; Ana F. Gembre; Rômulo S. Oliveira; Vânia L. D. Bonato

ID-224

TLR4-SIGNALING PATHWAY RESTRICTS THE IMMUNE RESPONSE AGAINST L. INFANTUM INFECTION THROUGH IRF1 AND TYPE 1 IFN-DEPENDENT MECHANISM

Vanessa Carregaro Pereira

Sandra R. C. Maruyama; Luciana Benevides; Pedro A.S. Oliveira; Tim Sparwasser; Roque P. Almeida; João Santana da Silva; Laís Amorim Sacramento; Lucas A. Tavares; Marcela Françoso; Jéssica L. Costa; Luís Lambertti P. Silva; Fernando de Queiroz Cunha; Vanessa Carregaro

ID-225

TRANSFORMING AND FIBROBLAST GROWTH FACTORS ARE MODULATED IN CHRONIC HEPATITIS C PATIENTS AFTER SOFOSBUVIR-BASED ANTIVIRAL THERAPY

Geórgia do Nascimento Saraiva

Thais Guarana de Andrade; Thalia Medeiros; Ana Beatriz Conde de Ornelas; Analucia Rampazzo Xavier; Natalia Fonseca do Rosario; Gilmar de Souza Lacerda; Laiz Almeida Moraes; Eliane Bordalo Cathalá Esberard; Andrea Alice da Silva

ID-226

TRYPANOCIDAL AND IMMUNOSTIMULATORY ACTIVITY OF EXTRACTS FROM LONCHOCARPUS CULTRATUS SEEDS

Rafael Andrade Menolli

Thiago Oliveira dos Santos; Isaac Loreiro Cabral; Rafael Andrade Menolli; Izabela Virgínia Staffen; Tereza Cristina Marinho Jorge

ID-227

UNRAVELLING PATHOGENIC MECHANISMS DURING PNEUMOCOCCAL INFECTION

Victoria Comas

Maria Paula Cespedes; Jose Alejandro Chabalgoity; Analía Rial; Andres Iriarte

ID-228

ZIKA VIRUS ACTIVATES HUMAN PERIPHERAL BLOOD LYMPHOID MONONUCLEAR CELLS IN VITRO

Wanessa Veras

Ithallo Sathio Bessoni Tanabe; Isadora Maria Teixeira Calazans Araújo; Felipe Rodrigues do Nascimento; Alessandra Abel Borges; Ênio José Bassi; Wanessa Veras Martins; Elane Conceição dos Santos; Fábio Emanuel França dos Santos; Audemário de Gusmão Lins Filho; Letícia Anderson



ID-229

ZIKA VIRUS INHIBITS TYPE I INTERFERON RESPONSE IN HUMAN BRAIN MICROVASCULAR ENDOTHELIAL CELLS (HBMECS)

Yasmin Mucuna Mustafa

Luciana Barros de Arruda; Michelle Premazzi Papa

IMMUNOPHARMACOLOGY (IP)

IP-246

MODULATORY ACTIVITY OF MANGIFERIN ON HUMAN PERIPHERAL BLOOD MONONUCLEAR CELLS

Debora Decote-Ricardo

Rodolpho Rangel de Oliveira; Jorgete Logullo; Wanda Almeida; Celio Geraldo Freire-de-Lima; Matheus Freire-de-Lima; Sávio de Souza Guimarães; Marina Araujo Zulchner; Marco Edilson Freire de Lima; Maria Tereza Trevisan; Debora Decote-Ricardo; Isabel Ferreira Larocque-de-Freitas; Carolina Azevedo Lobo

IP-247

PULMONARY AND PANCREATIC MORPHOLOGY OF DIABETIC RATS INDUCED BY STREPTOZOOTOCIN TREATED ALIUM CEPA EXTRACT

Karina Medeiros

Matheus A Medeiros; Flavio S Silva; Raul H Bortolin; Karina V Meira; Tatiana Oliveira; Liciane Ic Lemos; Bento A Abreu; Adriana A Rezende; Camila Av Figueiredo

IP-248

ROLE OF NOD-1 IN IRINOTECAN-INDUCED INTESTINAL MUCOSITIS

Luis Filipi Carvalho Borges

Fernando de Queiroz Cunha; Paulo Roberto Carvalho de Almeida; Renata de Brito Falcão; Mariana Lima Nour; Carolina Noronha Lechui; Deysi Viviana Tenazona Wong; Vanessa de Fatima Borges; Marina Pinto Custódio; Roberto César Pereira Lima-Júnior

IP-249

SEROTONIN MODULATES NEUTROPHIL AGING AND MAY HAVE IMPLICATIONS IN THE PATHOPHYSIOLOGY OF SICKLE CELL ANEMIA: FUNCTIONAL ANALYSIS BY IMAGE CYTOMETRY.

Flavia Garcia

Hanan Chweih; Sara T. Olalla Saad; Nicola Conran; Flavia Garcia; Flávia Costa Leonardo; Fernando F. Costa

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SIKVAV, A PEPTIDE FROM LAMININ-111, REDUCES MUSCLE PATHOLOGY IN A MOUSE MODEL OF DUCHENNE MUSCULAR DYSTROPHY

Samuel Horita

IP-251

SYNTHESIS AND EVALUATION OF INFLAMMATORY HISTONE ACETYLTRANSFERASES P300 MODULATORS DESIGNED FROM CNSL, AS ANTINEOPLASTIC AGENTS CANDIDATES

Gabriella Simões Heyn Roth Cardoso

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TARIN, THE LECTIN FROM COLOCASIA ESCULENTA, AS AN IMMUNOSTIMULATORY MOLECULE ON BONE MARROW CELLS IN CYCLOPHOSPHAMIDE-IMMUNOSUPPRESSED MICE

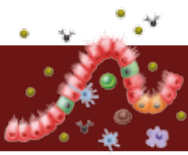
Érika Bertozzi de Aquino Mattos

IP-253

THE ROLE OF ANNEXIN A1 IN THE MODULATION OF INFLAMMASOME AND RELEASE OF IL-1 β IN A MODEL OF GOUT

Izabela Galvao

Renan V. H. de Carvalho; Dario S Zamboni; Lirlândia P Sousa; Alexandre L. N. Silva; Flavio A. Amaral; Mauro M Teixeira



IP-254

TRANSIENT RECEPTOR POTENTIAL ANKYRIN 1 (TRPA1) DRIVES SWITCH IN MICROGLIAL PHENOTYPE FROM PRO- TO ANTI-INFLAMMATORY: IMPLICATIONS FOR ALZHEIMER'S DISEASE

Maíra Assunção Bicca

Evelyn Cristina da Silva Santos; Zachary Mayank Brahmabhatt; Gecioni Loch-Neckel; Joao Batista Calixto; Maira Assuncao Bicca; Erika Nicole Cline; Kirsten Louise Viola; William Lee Klein

IMMUNOREGULATION (IR)

IR-297

LEPTIN POTENTIATES MACROPHAGE ACTIVATION THROUGH METABOLIC MODULATION

Lauar Monteiro

IR-298

LIVER X RECEPTOR MODULATION DIRECTLY AFFECTS CD4+ T CELL DIFFERENTIATION AND DENDRITIC CELL MATURATION

Leonardo Pimentel de Freitas

Jéssica Aparecida da Silva Pereira; Pedro Manoel Mendes de Moraes Vieira

IR-299

LONG-TERM IMMUNE DYSFUNCTION INDUCED BY SEPSIS IS DEPENDENT OF AGE

David Fernando Colón

Fernando Ramalho; Carlos W S Wanderley; Carlos H Hiroki; Camila M S Silva; Ana Paula Carlotti; Foo Y Liew; Fábio Carmona; José Carlos Alves-Filho; Ana Leticia Souza; Paula B Donate; Fernanda V S Castanheira; Fernando Q Cunha

IR-300

MATERNAL RETINOIC ACID SUPPLEMENTATION DURING BREASTFEEDING INDUCES CCR9 EXPRESSION IN T CELLS WITH GUT-HOMING POTENTIAL AND INCREASES FOXP3+ REGULATORY T CELLS IN INTESTINAL LAMINA PROPRIA OF THE OFFSPRING

Luana de Mendonça Oliveira

José Augusto Cruz Brito; Maria Notomi Sato; Franciane Mouradian Emidio Teixeira; Alberto José da Silva Duarte

IR-301

MIF: UM CANDIDATO PROMISSOR PARA INIBIR A PROGRESSÃO DA DOENÇA INFLAMATÓRIA INTESTINAL INFLUÊNCIA DA IL-23, IL-22 E GM-CSF

Poliana Guimaraes

Poliana Macedo Guimaraes; Marcelo Torres Bozza; Fábio Barrozo do Canto

IR-302

MODERATE PHYSICAL EXERCISE INDUCES REGULATORY MECHANISMS ON THE AIRWAY INFLAMMATION IN A MURINE MODEL OF ASTHMA

Paula Fernandes

Thayse Regina Bruggmann; Clarice Olivo; Fernanda Magalhães Arantes-Costa; Luana de Mendonça Oliveira; Maria Notomi Sato

IR-303

MULTIPLE DOSES OF ADIPOSE TISSUE-DERIVED MESENCHYMAL STROMAL CELLS YIELDED BENEFICIAL EFFECTS WITH IMMUNOSUPPRESSION IN EXPERIMENTAL ALLERGIC ASTHMA

Ligia Castro

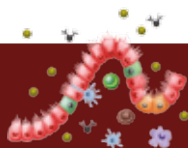
Fernanda Ferreira Cruz; Priscilla Christina Olsen; Jamil Zola Kitiko; Debora Gonçalves Xisto; Patricia Rieken Macedo Rocco

IR-304

ORALLY ADMINISTERED BETA-GLUCAN INDUCES GLOBAL GUT MICROBIOME ALTERATIONS AND A DIFFERENTIAL COLITIS RESPONSE IN MICE

Christian Hoffmann

Christian Hoffmann; Maria Regina Carriero; Giuliano F. Barreto; Maria Jose Chiabai; Raffael J. A. de Castro; Anamelia L. Bocca; Angelina Maria Moreschi Basso; Francisco X.M. Vargas; Yasmin S. Lima; Marcio S. Jeronimo; Aldo H. Tavares



IR-305

PHOSPHATIDYLSERINE LIPOSOMES AMELIORATE CLINICAL SYMPTOMS IN AN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS MODEL

Cleonice Silva

Marcello André Barcinski; João Luiz Mendes Wanderley; Fernanda Soares dos Santos; Cleonice Alves da Silva; Frederic Jean Georges Frezard

IR-306

PHOTOBIMODULATION THERAPY MODULATES PULMONARY IMMUNE RESPONSE IN EXPERIMENTAL MODEL OF CHRONIC OBSTRUCTIVE PULMONARY DISORDER (COPD)

Ana Paula Ligeiro de Oliveira

IR-307

POLYMORPHISM IN EBI3 ARE ASSOCIATED WITH ATOPIC MARKERS IN A BRAZILIAN COHORT

Regina Nascimento

Milca de J. Silva; Ryan dos Santos Costa; Mauricio L. Barreto; Regina Santos Nascimento; Marcus Vinícius Alves Lima; Neuza Maria Alcântara-Neves; Camila Alexandrina Figueiredo

IR-308

REGULATORY T CELLS ACCUMULATE IN THE INJURED NERVE AND REDUCE NEUROPATHIC PAIN BY SUPPRESSION OF TH1 CELLS

Marcela Ferreira

Miriam Das Dores Mendes Fonseca; Andreza Urba de Quadros; Kalil Alves de Lima; Rafaela Mano Guimarães; Thiago Mattar Cunha

IR-309

SCHISTOSOMA MANSONI SM29 ANTIGEN ALTERS EXPRESSION OF COSTIMULATORY MOLECULES IN MONOCYTES IN SEVERE ASTHMA.

Tarcísio Vila Verde Santana de Almeida

Jamille Souza Fernandes; Lorena Santana Andrade; Edgar M. Carvalho; Álvaro A. Cruz; Jordana Batista Santana; Diego Mota Lopes; Sérgio Costa Oliveira; Luciana Santos Cardoso

IR-310

SOCS2 ORCHESTRAT PERIPHERAL AND CENTRAL AUTOIMUNITY

Allysson Cramer

IR-311

TGF-BETA MAY PLAY A ROLE IN PROLONGING SKIN ALLOGRAFT SURVIVAL FOLLOWING COMBINED ORAL THERAPY WITH LACTOCOCCUS LACTIS AND DONOR ALLOANTIGENS.

Daniele Silva

Mariana Camila Gonçalves Miranda; Enio Ferreira; Adriana Cesar Bonomo; Jorge Kalil; Verônica Coelho; Laila Sampaio Horta; Emerson Soares Veloso; Luiz Alberto Benvenuti; Anderson Miyoshi; Ana Maria Caetano Faria

IR-312

TH17 IMMUNE RESPONSE IN CARDIOVASCULAR DISEASE

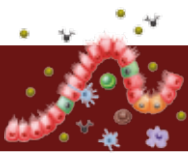
Mariana de Menezes Pereira

IR-313

THE CYTOSOLIC SENSOR STING IS REQUIRED FOR INTESTINAL HOMEOSTASIS AND CONTROL OF INFLAMMATION

Maria Cecília Campos Canesso

Enio Ferreira; Glen N. Barber; Ana Maria Caetano de Faria; Luisa Lemos; Fernanda M. Marim; Emerson S. Veloso; Helton da Costa Santiago; Juliana A. Silva; Angelica Thomaz Vieira; Sergio Costa Oliveira; Maria Cecilia Campos Canesso; Thalison Costa Neves; Tiago Bruno Rezende Castro; Camila P. Queiroz; Denise Carmona; Flaviano dos Santos Martins



IR-314

THE MICROBIOTA-DERIVED METABOLITE, BUTYRATE, REVERSE SOME OF THE INTESTINAL IMMUNE CHANGES ASSOCIATED WITH ANTIBIOTIC THERAPY

José Luís Fachi

Éricka Lorenna de Sales E Souza; João Carlos Sebutal; Marco Aurélio Ramirez Vinolo; Mirian Krystel de Siqueira; Flaviano dos Santos Martins; Denise Morais da Fonseca; Jaqueline Felipe de Souza; Suzana Eiko Sato Guima

IR-315

THE ROLE OF NON-CANONICAL NF-KB PATHWAY IN THE TOLEROGENIC ACTIVITY OF CHLOROQUINE-TREATED DENDRITIC CELLS

Livia Thomaz

Amanda Bonfanti; Liana Verinaud; Gabriela Peron; Rodolfo Thomé

IR-316

TLR4 HYPERRESPONSIVENESS OF HUMAN NEONATAL MONOCYTES DOWN-REGULATED BY HISTAMINE

Anna Claudia Calvielli Castelo Branco

Fábio Seiti Yamada Yoshikawa; Maria Notomi Sato; Nátalli Zanete Pereira; Luanda Mara da Silva Oliveira; Alberto José da Silva Duarte

IR-317

TRICHURIS TRICHIURA'S RECOMBINANTS PROTEINS MIF AND FBPA HAVE IMUNOMODULATORY POTENCIAL IN EXPERIMENTAL MODEL OF RESPIRATORY ALLERGY INDUCED BY BLOMIA TROPICALIS

Marina Santana

Ryan Santos Costa; Neuza Maria Alcântara Neves; Rogério Tanan Torres; Camile Lima Alves; Leonardo Freire Santiago; Carina Pinheiro Silva; Eduardo Santos Silva

IR-318

UNRAVELING THE MICROBICIDAL EFFECT OF TITYUS SERRULATUS IN TOXOPLASMA GONDII INFECTION: IDENTIFICATION OF THE KEYS PEPTIDES

Diego Rodney Rodrigues de Assis

Pollyana Maria de Oliveira Pimentel; Marta do Nascimento Cordeiro;; Liza Figueiredo Felicori Vilela; Maria Elena de Lima Perez Garcia; Ricardo Wagner de Almeida Vitor; Márcia Helena Borges; Carlos Delfin Chávez Olórtegui; Fabiana Simão Machado

INNATE IMMUNITY (IN)

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RESPIRATORY SYNCYTIAL VIRUS INDUCES IN VITRO EOSINOPHIL EXTRACELLULAR TRAPS

Josiane Silva Silveira

Josiane Silva Silveira; Rodrigo Godinho de Souza; Daniela Benvenuti Kaiber; Rodrigo Benedetti Gassen; Aline Andrea da Cunha; Géssica Luana Antunes; Carolina Luft; Mariana Severo; Paulo Márcio Pitrez

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Stefanie Muraro

Natália Jaeger; Bárbara Nery Porto; Gabriela Fabiano de Souza; Rafael Sanguinetti Czepielewski

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Gabriela Souza

Ana Paula Teixeira Monteiro; Bárbara Nery Porto; Stéfanie Primon Muraro; Patrícia Torres Bozza



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Fábio Yoshikawa

Nátalli Zanete Pereira; Alberto José da Silva Duarte; Anna Julia Pietrobon; Clarisse Martins Machado; Maria Notomi Sato

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Ricardo Camargo

Fabrine M. Tristão; Natália Ketelut-Carneiro, Camila de O. Silva e Souza; Gabriela Gonçalves de Oliveira; João Santana da Silva

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Francisco Bem

Trevor Sweeney; Edward Emmott; Daniel Santos Mansur

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Thassila Nogueira Pitanga

Dalila Lucíola Zanette; Rayra Pereira Santiago; Valma M. Lopes do Nascimento; Ricardo Riccio Oliveira; Thassila Nogueira Pitanga; Caroline Conceição da Guarda; Vitor Valério Maffili; Valéria Matos Borges; Marilda de Souza Goncalves; Sânzio Silva Santana

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SILIBININ ATTENUATES INFLAMMATION INDUCED BY HMGB1 IN THP-1 CELLS

Mariane Font Fernandes

Priscila Rezek Nunes; Virgínia Juliani Gomes; Maria Terezinha Serrão Peracoli; Mariana Leticia Matias; Vanessa Rocha Ribeiro; Jose Carlos Peracoli; Mariana Romão-Veiga

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SILIBININ DOWNREGULATES NLRP3 INFLAMMASOME INDUCED BY MONOSSODIUM URATE IN PREGNANT WOMEN WITH PREECLAMPSIA

Virginia Gomes

Mariana Romao-Veiga; Priscila Rezek Nunes; Amanda Carreira Devides; Maria Terezinha Serrao Peracoli; Mariana Leticia Matias; Vanessa Rocha Ribeiro; Mariane Font Fernandes; Jose Carlos Peracoli; Virginia Juliani Gomes

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SPLENIC DIFFERENTIATION AND EMERGENCE OF CCR5+CXCL9+CXCL10+ MONOCYTE-DERIVED DENDRITIC CELLS IN THE BRAIN DURING CEREBRAL MALARIA

Isabella Hirako

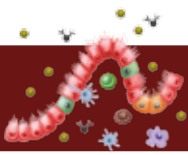
Andrew D Luster; Marco A Ataíde; Patrícia A Assis; Natalia M Araújo; Gustavo B Menezes; Ricardo T Gazzinelli; Isabella C Hirako; Lucas Faustino; Hisashi Ueta

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STIMULATION WITH IFN-I ADJUVANTS MODULATE GENE EXPRESSION AND CYTOKINE PRODUCTION IN NEONATAL AND ADULT MACROPHAGES

Anna Julia Pietrobon

Fábio Seiti Yamada Yoshikawa; Luana de Mendonça Oliveira; Maria Notomi Sato; Nátalli Zanete Pereira; Alberto José da Silva Duarte



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**STUDY OF INNATE IMMUNITY AGAINST THE HUMAN T-CELL LYMPHOTROPIC VIRUS TYPE 1 (HTLV-1):
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Sabrina Pires Maciel

Ana Claudia Celestino Leite; Juliana Echevarria Lima; Renata Meirelles Pereira; Otavio Espindola

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Diógenes Saulo de Lima; Thiago M. Cunha; José Carlos Alves Filho; Douglas da Silva Prado; Cacilda S. Souza; Helder Takashi Imoto Nakaya; Fernando Q. Cunha; Flavio Protasio Veras; Lorena C. O. Costa

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**THE CASPASE-11-MEDIATED NON-CANONICAL ACTIVATION OF THE INFLAMMASOME PLAYS AN IMPORTANT
ROLE ON THE RESTRICTION OF LEISHMANIA INFECTION.**

Warrison Andrade

Renan Villanova Homem de Carvalho; Dario Simões Zamboni; Djalma de Souza Lima Júnior

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Ágata Lopes Ribeiro

Olindo Assis Martins-Filho; Jordana Graziela Coelho-dos-Reis; Marcela de Lima Moreira; Elaine Speziali de Faria; Andréa Teixeira-Carvalho; Vanessa Peruhype-Magalhaes; Moriya Tsuji

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THE DIFFERENTIAL FUNCTION OF BROWN AND WHITE ADIPOCYTES ON MACROPHAGE ACTIVATION

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Andreza Santos Dórea

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Marcella Oliveira

Angelica Thomaz Vieira; David Martins; Victor Melo; Gabriela Leles; Sergio Costa Oliveira

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Mariana Ampuero

Claudia Brodskyn; Sara Nunes; Daniel Feijó; Thaizza Correia; Pablo Oliveira; Viviane Boaventura; Natalia Tavares; Mariana Rosa Ampuero; Icaro Bonyek Santos da Silva; Almério Noronha; Bruno Andrade; Ricardo Khouri; Aldina Barral



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Felipe Batista Leão

Leonardo C. de Oliveira; Aristóbol M. Silva; Brener C. Carvalho; Sankar Ghosh; Kátia M. Lima

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ZIKA VIRAL LOAD AND CYTOKINE REGULATION ON ADULT AND NEWBORN MONOCYTES PRETREATED WITH RAGE MONOCLONAL ANTIBODY

Gabriel Costa de Carvalho

Gabriel Costa de Carvalho; Luanda Mara da Silva Oliveira; Clarisse Martins Machado; Maria Notomi Sato; Fábio Seiti Yamada Yoshikawa; Franciane Mouradian Emidio Teixeira; Alberto José da Silva Duarte

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ZIKA VIRUS INTERACTION WITH HUMAN ANTIGEN-PRESENTING CELLS: MACROPHAGES AND DENDRITIC CELLS

Elane Conceição Santos

Elane Conceição dos Santos; Isadora Maria Teixeira Calazans Araújo; Felipe Rodrigues do Nascimento; Audemário de Gusmão Lins Filho; Letícia Anderson; Ênio José Bassi; Ithallo Sathio Bessoni Tanabe; Wanessa Veras Martins; Fábio Emanuel França dos Santos; Alessandra Abel Borges; Rodrigo Nalio Ramos

MOLECULAR IMMUNOLOGY (MI)

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STRUCTURAL AND SEQUENCING STUDIES OF ANTIBODIES FROM THE GD3 ANTIGEN IDIOTYPE NETWORK

Renata YOSHIKO YAMADA

JANE ZVEITER MORAES; TABATA DE ALMEIDA DA SILVA; JOÃO BOSCO PESQUERO; EMERSON RODRIGO DA SILVA; RODRIGO BARBOSA AGUIAR1

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THE EPIGENETIC MODULATOR EZH2 CONTROLS HYPORESPONSIVNESS STATE OF T CD4 CELLS DURING LEISHMANIA INFECTION

Gabrielle Brum Lopes da Silva

Amanda Silva de Souza Pacheco; Carlos Henrique Dantas Barbosa; Renata de Meirelles S Pereira; Guilherme Afonso Melo; Deivid Soares

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THE EPIGENETIC MODULATOR EZH2 RESTRAINS THE DEVELOPMENT OF GAMMA DELTA T CELLS

Amanda Silva de Souza Pacheco

Guilherme Afonso Melo; Juliana Echevarria Neves de Lima; Gabrielle Brum Lopes da Silva; Fabio Barrozo do Canto; Renata de Meirelles S Pereira

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USE OF MESENCHYMAL STEM CELLS EXOSOME IN THE THERAPY OF AUTOIMMUNE DISEASES

Alice Pereira

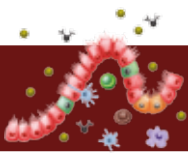
Rigne Armentano da Silva; Bianca Costa Mota; Alice Freitas de Andrade Pereira; Cassia Regina Reis Muniz; Ciro Silveira E Pereira

MI-410

VARIANTS IN NFIL3 ARE ASSOCIATED WITH ATOPY MAKERS AND ASTHMA SEVERITY IN A SOUTH AMERICAN POPULATION

Milca Silva

Neuza Maria Alcântara-Neves; Camila Alexandrina Figueiredo; Talita Santos de Jesus; Regina Nascimento Santos; Maurício L. Barreto; Ryan dos Santos Costa; Maria B.R. Santana



TRANSPLANTATION AND IMMUNOGENETICS (TR)

TR-415

POLYMORPHISMS IN ICOS AND ICOSLG ARE ASSOCIATED WITH ATOPY AND ALLERGY IN AN ADMIXED POPULATION OF NORTHEASTERN BRAZIL

Valdirene Carneiro

Ryan Santos Costa; Maurício Lima Barreto; Valdirene Leão Carneiro; Graziela Cecilio Credidio; Neuza Maria Alcantara-Neves; Camila Alexandrina Viana Figueiredo

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SKIN GRAFT REJECTION IN OBESE MICE IS ASSOCIATED WITH A TH17-BIASED ALLOIMMUNE RESPONSE

Fernanda Terra

Vinicius de Andrade Oliveira; Guilherme José Bottura da Barros; Paulo José Basso; Niels Olsen Saraiva Câmara; Marina Burgos da Silva; Thiago Maass Steiner; Angela Castoldi

TRANSPLANTATION AND IMMUNOGENETICS (TI)

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RED MEAT-DERIVED ANTIGEN INDUCES PRO-TUMOR INFLAMMATION IN HUMAN-LIKE MOUSE MODEL OF SPONTANEOUS COLORECTAL CANCER

Frederico Alisson da Silva

Nissi Varki; Kunio Kawanishi; Ajit Varki

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REGULATION OF STAT-3 AND NF-KB SIGNALING BY IL-6 AND GCSF IN LOCAL AND SYSTEMIC IMMUNE RESPONSES IN HPV TUMOR BEARING HOSTS

Gretel Rodríguez Rodríguez

Marcela Cipelli; Ana Paula Lepique; Simone Cardozo Stone; Caio Silveira

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THE IMPORTANCE OF DICER EXPRESSION IN THE MELANOMA PROGRESSION AND RESISTENCE TO CHEMOTHERAPY

Nathalia Cruz de Victo

Rildo Aparecido Volpini; Niles Olsen Saraiva Câmara; Jacqueline de Fátima Jacysyn; Nathalia Cruz de Victo; Romulo dos Santos Sobreira Nunes; Mara Huffenbaecher Giavina-Bianchi; Cyro Festa Neto; João Gustavo Pessini Amarante-Mendes; Sandy Adjemian

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THE ROLE OF CASPASE 1/11 AND NLRP3 INFLAMMASOME IN LIPIDOMIC PROFILE AND FUNCTION OF BROWN AND WHITE ADIPOCYTES IN BREAST CANCER CELLS

Luís Henrique Costa Corrêa Neto

Lívia Pimentel Sant'ana Dourado; Tiago Medeiros Furquim Mendonça; Marcos Nogueira Eberlin; Luís Henrique Costa Corrêa Neto; Raquel Das Neves Almeida; Aline Martins; Kelly Grace Magalhães

TI-433

THE ROLE OF DIFFERENTIALLY EXPRESSED MICRORNAS IN DIVERSE SUBTYPES OF ACUTE MYELOID LEUKEMIA

Felipe de Souza Araujo

Renata dos Santos Almeida; Eduardo Antônio Donadi; Felipe de Souza Araujo; Luiz Lehmann Coutinho; Norma Lucena-Silva

VACCINES (VC)

VC-452

LACTOCOCCUS LACTIS IS ABLE TO DELIVER A THERAPEUTIC PLASMID ENCODING HSP65 PROTEIN OF MYCOBACTERIUM LEPRAE TO MAMMALIAN CELLS: PERSPECTIVES OF COLITIS TREATMENT IN MURINE MODEL.

Mariana Drumond

Sophie Leclercq; Pamela Mancha-Agresti; Nina Dias Coelho Rocha; Vasco Azevedo; Mariana Martins Drumond; Camila Prósperi de Castro



VC-453

MATHEMATIC MODELS INDICATE THAT EXPONENTIAL DECAY EXPLAINS AMINO ACID FIT IN MHC CLASS I POSITIONS

Daniel Ferraz

Cristina Padre Cardoso; Danilo Nascimento Lopes; Kleiton Paulino da Silva; Leandro Martins de Freitas

VC-454

MELATONIN INCREASE IN VIVO ANTITUMOR EFFECT CONFERRED BY A DNA VACCINE TARGETING HUMAN PAPILOMAVIRUS-INDUCED TUMORS.

Patrícia da Cruz Souza

Rafael Pegoraro; Luís Carlos de Souza Ferreira; Roberta Liberato Pagni; Bruna Felício Milazzotto Maldonado Porchia; Ana Carolina Ramos Moreno

VC-455

NEW APPROACHES OF DOGS IMUNIZATION USING SALIVARY PROTEINS INDUCES PROTECTIVE IMUNE RESPONSES AGAINST L. INFANTUM EXPERIMENTAL INFECTION

Martha Suarez

Jurema Cunha; Clarissa Teixeira; Lais Pereira; Deborah Fraga; Bruno Bezzeril Andrade; Martha Suarez; Valter Almeida; Marcelo Bordoni; Patricia Bozza; Claudia Brodskyn

VC-456

PRODUCTION OF TGF- β BY CULTURE MACROPHAGES AFTER STIMULATION WITH CMX RECOMBINANT PROTEIN IS TLR2 DEPENDENT.

Danilo Resende

Adeliane Castro da Costa; Lúcia Helena Facciolli; Ana Paula Junqueira-Kipnis; Karina Zoccal; André Kipnis

VC-457

SYNERGIC EFFECTS OF CISPLATIN TREATMENT AND AN ACTIVE IMMUNOTHERAPY IN THE CONTROL OF HPV-ASSOCIATED TUMORS

Mariangela de Oliveira Silva

Luana Raposo M.M. Aps; Bruna Felício Milazzotto Maldonado Porchia; Ana Carolina Ramos Moreno; Luis Carlos de Souza Ferreira; Natiely Silva Sales; Jamile Ramos da Silva; Mariana de Oliveira Diniz

VC-458

TDAP VACCINATION DURING PREGNANCY DOES NOT AFFECT INFANT'S CELLULAR IMMUNE RESPONSE AGAINST BORDETELLA PERTUSSIS

Cyro Brito

Corintio Mariani Neto; Carolina Argondizo Correia; Lourdes Rehder de Andrade Vaz de Lima; Helena Keico Sato; Expedito José de Albuquerque Luna; Rita de Cassia Silva Calabresi; Elaine Uchima Uehara; Eder Gatti Fernandes; Ana Paula Sayuri Sato; Euclides Ayres de Castilho

VC-459

THE FUNCTIONAL PEXU PLASMID, CARRIED BY LACTOCOCCUS LACTIS MG1363, ENABLES THE PROTEIN EXPRESSION BY EUKARYOTIC CELLS AFTER MICE GAVAGE.

Mariana Drumond

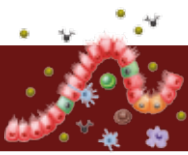
Vasco Azevedo; Pamela Mancha-Agresti; Luis Claudio Lima de Jesus; Camila Prospero de Castro; Mariana Martins Drumond; Nina Dias Coelho Rocha; Viviane Lima Batista; Sophie Leclercq

VC-460

THE PROTECTIVE IMMUNE RESPONSE INDUCED BY RECOMBINANT FD PHAGES EXPRESSING TRYPANOSOMA CRUZI EPITOPES IS TLR9-DEPENDENT

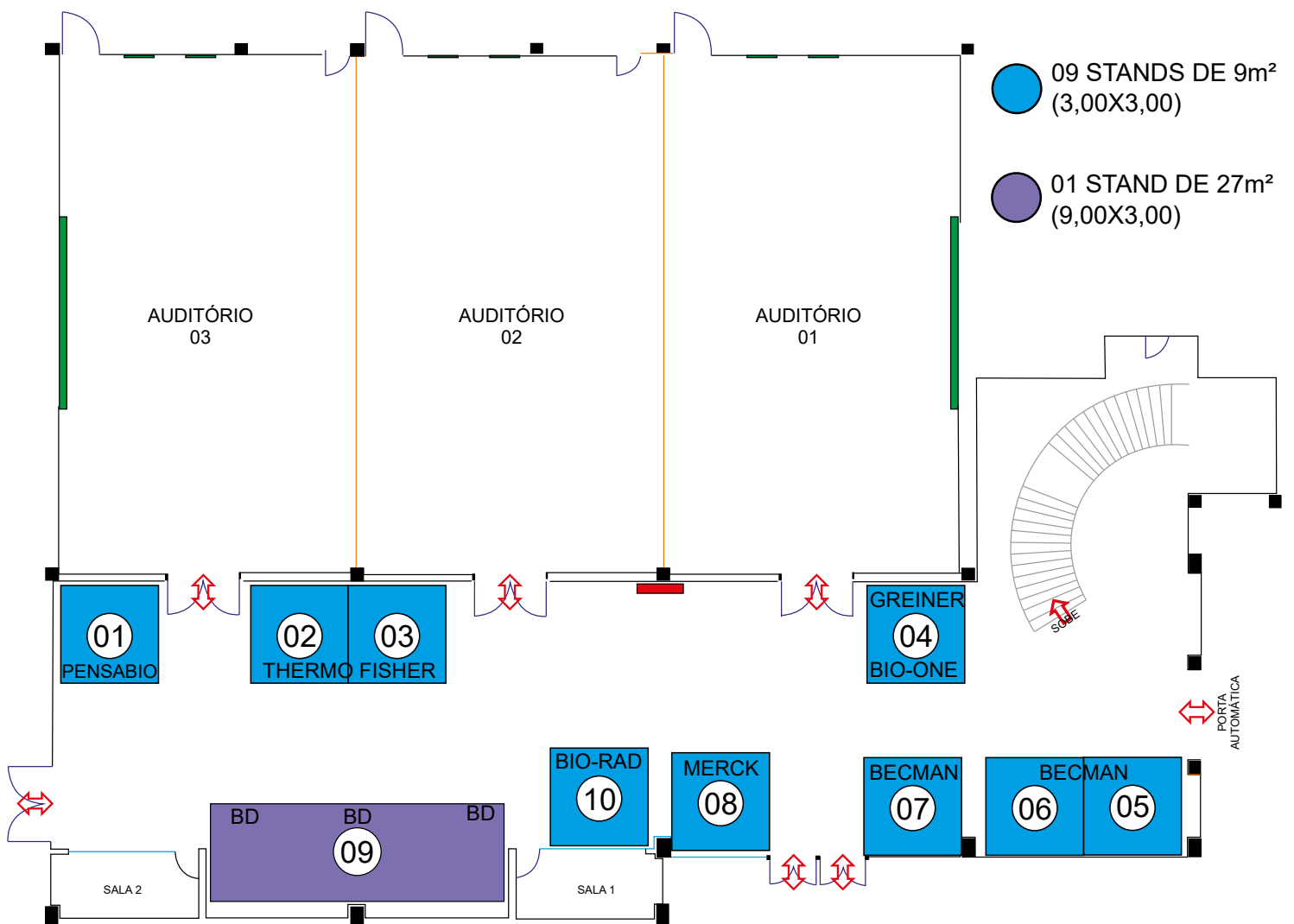
João Francisco Gomes Neto

Carlos Henrique Barbosa, André Alves Dias, Rossella Sartorius, Luciana D'Apice, Fábio Barrozo do Canto, Carlos R. Machado, Herbert Matos Guedes, Piergiuseppe de Berardinis and Maria Bellio.



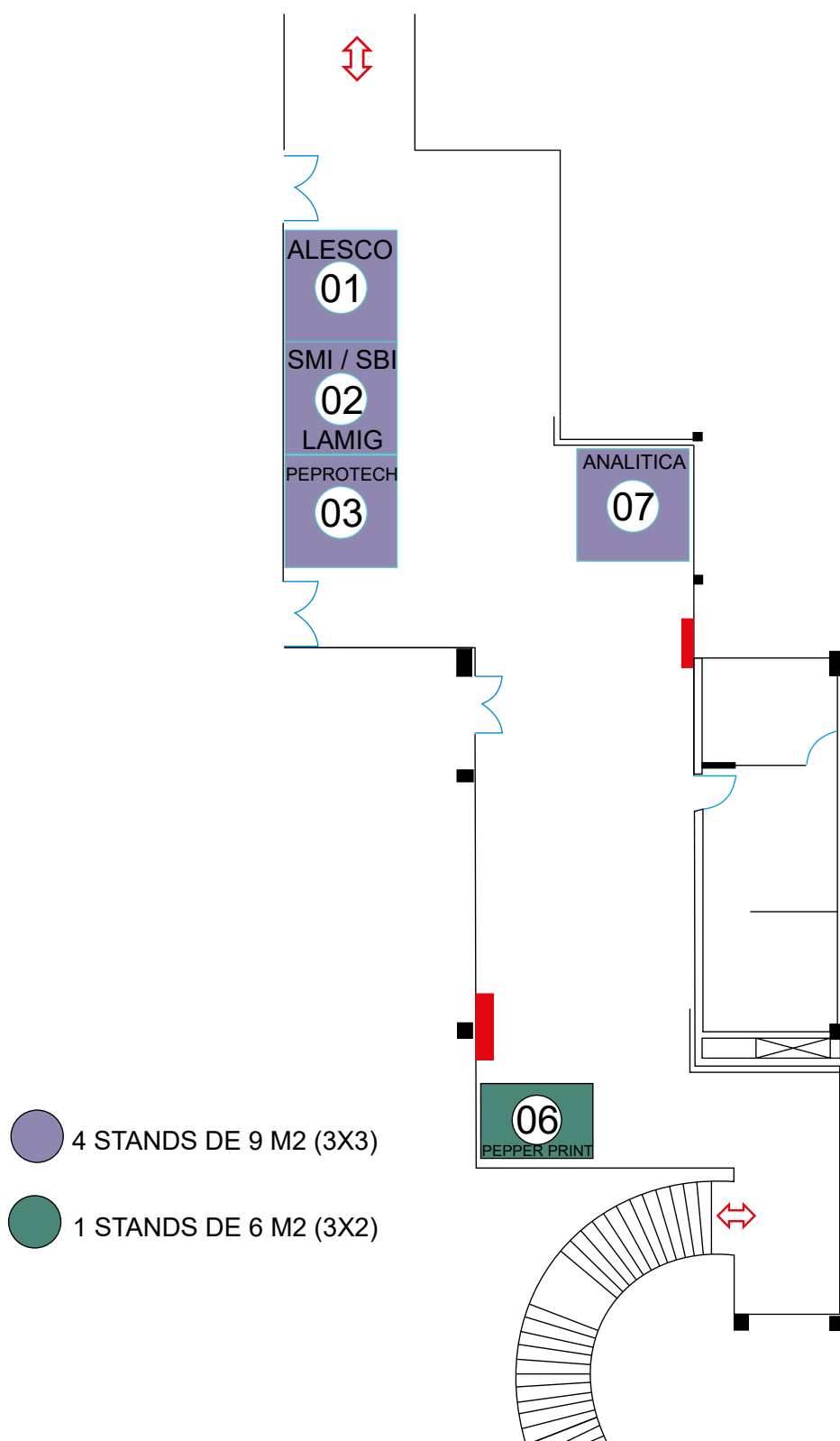
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Beckman Coulter provides solutions customized for each step in your specific exosome research workflow – from sample preparation to sample analysis – and can also help improve processes and assist with related challenges.

This chart provides a sample workflow and the solution for each step.

Sample Preparation	Specific Need	Solution
Prep Cell Culture Media	Easily centrifuge fetal bovine serum (FBS) at high speeds (typically overnight) to eliminate bovine exosomes from media.	Ultracentrifuge
Cell Culture	Quickly determine cell concentration and viability, eliminating variability inherent in manual counting methods.	Vi-Cell**
Exosome Isolation	Use differential centrifugation to remove cells, debris and large aggregates prior to density gradient isolation.	Tabletop centrifuge
Automated Density Gradient Layering	Minimize user to user variability and save time by automating density gradient set-up.	Biomek workstation⁺
Exosome Purification by Density Gradient	Isolate exosomes from co-purified proteins and other vesicles.	Ultracentrifuge & Biomek workstation⁺
Exosome Concentration	Use ultracentrifugation to remove density gradient material and to concentrate exosomes.	Tabletop ultracentrifuge
Exosome Sizing	Measure size and zeta potential of purified exosomes.	DelsaMax Pro/CORE⁺
NGS Library Construction and Sequencing	Convert exosomal RNA into libraries with a NEBNext Small RNA Library Preparation Kit or Illumina TruSeq Stranded mRNA kit automated on a Biomek workstation.	Biomek workstation⁺ & automated NGS library preparation methods
Population Characterization	Characterize and sort exosome-specific populations using scatter or fluorescence.	CytoFlex Flow Cytometer⁺ (Analysis) Astrios EQ (Sorting)
Size Characterization	Use analytical ultracentrifugation (AUC) to get better size resolution and other properties of your exosomes.	Optima AUC⁺