

**FINAL PROGRAM**  
**JOINT MEETING SAIC SAI&FAIC SAFIS 2022**

**SAIC (Room Atlantic and others)**

**SAI (Room Hotel 15 de mayo)**

**SAFIS (Room Aguamarina)**

**SAI-SAIC (Room Atlantic)**

**POSTERS (Rooms Mediterraneo and Muelle Azul Sector)**

**Day 1**  
**WEDNESDAY NOVEMBER 16th**

**11:00 - 13:00 Symposium 1 (SAIC): Preclinical models utility** **Room: Aguamarina**

**Chair:**

**Dr. Martina Crispo.** Animal Biotechnology Unit. Institute Pasteur of Montevideo, Montevideo, Uruguay.

**Speakers:**

**Dr. Martina Crispo.** Animal Biotechnology Unit, Institute Pasteur of Montevideo, Montevideo, Uruguay.

“Preclinical models in the laboratory animal biotechnology unit.”

**Dr. Carlos Escande.** Laboratory of Metabolism and Aging Pathologies, Institut Pasteur of Montevideo, Montevideo, Uruguay.

“From the bench to the bedside: Preclinical development of a drug for obesity and type II diabetes.”

**Dr. Hugo Ortega.** Center of Comparative Medicine, School of Veterinary Sciences/ICIVET Litoral, National University of Litoral (UNL), CONICET, Santa Fe, Argentina.

“Bioimaging applied to complex preclinical trials.”

**Dr. Ana Romo.** RADBiotech. Sunchales, Santa Fe, Argentina. (virtual)

“Preclinical models of fibrotic pathologies.”

**13:00 14:00 LUNCH**

**13:30-15:00 Poster Session 1 (SAI)**

**Room: Mediterraneo**

**MUCOSAL IMMUNITY**

**IMMUNOMETABOLISM**

14:00-15:30 Poster Session 1 (SAIC & SAFIS)

Room: Muelle Azul Sector

NEUROSCIENCES I  
METABOLISM AND NUTRITION I  
REPRODUCTION I  
ENDOCRINOLOGY I  
TOXICOLOGY I

14:00-15:00 Conference 1 (SAIC)

Room: Aguamarina

**Chairs:**

**Dr. Ana Maria Buzaleh.** Research Center on Porphyrins and Porphyrins (CIPYP), UBA-CONICET, Clinics Hospital, CABA, Argentina.

**Lic. Laura Sabina Varela.** Research Center on Porphyrins and Porphyrins (CIPYP), UBA-CONICET, Clinics Hospital, CABA, Argentina.

**Dr. Mariela Chertoff.** Laboratory of Neuroepigenetics and Early Adversities. Department of Biological Chemistry-IQUIBICEN, School of Exact and Natural Sciences-UBA, CABA, Argentina.

**“Altered epigenetic mechanisms and behavioral deficits derived from perinatal malnutrition: lessons from a mouse model.”**

15:00-17:00 Symposium (SAI) Unravelling immune environment at mucosal surfaces

Room: Hotel 15 de mayo

**Chairs:**

**Dr. Virginia Pasquinelli.** CITNOBA, Center of Translational Research of the Northwest of the Province of Buenos Aires, Junín, Buenos Aires, Argentina.

**Dr. María Virginia Gentilini.** IMETTyB Institute of Translational Medicine, Transplant and Bioengineering, CONICET-Favaloro University, CABA, Argentina.

**Speakers:**

**Dr. Martin Rumbo.** IIFP-Institute of studies in immunology and physiopathology - CCT CONICET, La Plata, Buenos Aires, Argentina.

**“Modulation of intestinal inflammatory response by probiotic yeast and fermentation metabolites.”**

**Dr. Silvia Correa.** CIBICI-CONICET, Center for Research in Clinical Biochemistry and Immunology (CIBICI), National University of Córdoba, Córdoba, Argentina.

**“Unraveling intestinal immunity: focus on rhythms, macrophages and literature.”**

**Dr. Cecilia Muglia.** IIFP-Institute of studies in immunology and physiopathology - CCT CONICET, La Plata, Buenos Aires, Argentina.

**“Food allergy: Lessons from juvenile polyps.”**

**Dr. Pablo Baldi.** IDHEU, Institute of Humoral Immunity, Prof. Ricardo A., CABA, Argentina.

**“Brucella abortus and the respiratory mucosa: invasion mechanisms and innate immune response.”**

**15:00-17:00 Symposium 2 (SAIC) Translational research in genomics**

**Room: Atlantic**

**Chairs:**

**Dr. Cecilia Fernandez.** Novagen, CEGyR, CABA, Argentina.

**Dr. Carlos David Bruque.** Patagonian Hospital Unit of Translational Knowledge, High Complexity Hospital El Calafate SAMIC, El Calafate, Santa Cruz, Argentina.

**Speakers:**

**Dr. Ezequiel Surace.** Laboratory de Neurodegenerative Diseases (LEN), Institute of Neurosciences FLENI-CONICET, CABA, Argentina.

“Adult onset in neurodegenerative diseases. The molecular biology laboratory in a clinical setting.”

**Dr. Liliana Dain.** National Center of Medical Genetics and School of Exact and Natural Sciences-UBA, CABA, Argentina.

“Genetic analysis of patients with multiple congenital anomalies and isolated congenital heart disease.”

**Dr. Ezequiel Lacunza.** Center of Basic and Applied Immunological Research (CINIBA), School of Medical Sciences, National University of La Plata, La Plata, Argentina.

“Comprehensive transcriptomic analysis for the identification of long non-coding RNAs (LncRNAs) with clinical implications in the molecular subtypes of colorectal cancer.”

**17:00-19:00 Symposium 1 (SAFIS) The inflammatory process in the genesis of multiple pathophysiological mechanisms**

**Room: Aguamarina**

**Chairs:**

**Dr. Martin Rumbo.** Institute of Immunological and Pathophysiological Studies, La Plata, Argentina.

**Dr. Carolina Caniffi.** Institute of Chemistry and Drug Metabolism, Buenos Aires, Argentina.

**Speakers:**

**Dr. Mariela Gironacci.** Institute of biological chemistry and physical chemistry "Prof. Alejandro C. Paladini", Buenos Aires, Argentina.

“Anti-inflammatory response of the Mas angiotensin 1-7 receptor: dialogue with other receptors.”

**Dr. Jorge F. Giani.** Department of Biomedical Sciences, Cedars-Sinai Medical Center, Los Angeles, United States.

"Renal Inflammation and Sodium Management in the Physiopathogenesis of Arterial Hypertension."

**Dr. Guillermo Giambartolomei.** Institute of Immunology, Genetics and Metabolism, Buenos Aires, Argentina.

"Microglia at the crossroads of pathogen-induced neuroinflammation".

**Dr. Martin Rumbo.** Institute of Immunological and Pathophysiological Studies, La Plata, Argentina.

"Importance of inflammasome formation: canonical and non-canonical pathways".

17:00-18:00 Conference 2 (SAIC)

Room: Atlantic

**Chairs:**

**Dr. Mariano Gabri.** National University of Quilmes (UNQ)-CONICET, Buenos Aires, Argentina.

**Dr. Analía Reinés.** Institute of Cell Biology and Neurosciences Prof. Dr. Eduardo De Robertis (IBCN), School of Medicine, UBA, Buenos Aires, Argentina.

**Dr. Ajit Varki.** UCSD/Salk Center for Academic Research and Training in Anthropogeny (CARTA), Glycobiology Research and Training Center (GRTC), University of California, San Diego, USA. (virtual)  
"Early-life pathogens select for a human-specific CD33 allele that protects cognitive function of grandmothers."

17:00-18:00h EMBO Keynote Lecture (SAI)

Room: Hotel 15 de mayo

**Chair:**

**Dr. Eloisa Arana.** INIGEM Institute of Immunology, Genetics and Metabolism. UBA-CONICET, Buenos Aires, Argentina.

**Dr. Facundo Batista:** Ragon Institute of MGH, MIT and Harvard, Cambridge MA, USA.

"Informing vaccine design by defining the rules of antibody responses".

18:00-20:00 Symposium (SAIC/SAI) Immunometabolism during infection, inflammation, and cancer

Room: Atlantic

**Chairs:**

**Dr. Daiana Vota:** Institute of Biological Chemistry of the Faculty of the Exact and Natural Sciences IQUIBICEN, UBA-CONICET, CABA, Argentina.

**Dr. Pilar Aoki:** CIBICI-CONICET, Center for Research in Clinical Biochemistry and Immunology (CIBICI), National University of Córdoba, Córdoba, Argentina.

**Speakers:**

**Dr. Luciana Balboa.** IMEX-Institute of Experimental Medicine, National Academy of Medicine, CONICET, CABA, Argentina.

"Targeting Immunometabolism in host defense against mycobacterium tuberculosis."

**Dr. Juan Beauquis.** Institute of Biology and Experimental Medicine, CONICET, CABA, Argentina.

"Inflammation metabolism and glial cell activity in neurodegeneration."

**Dr. Pedro M. Moraes-Vieira.** Laboratory of Immunometabolism, Department of Genetics Microbiology and Immunology, University of Campinas, Brazil.

"Metabolic trained immunity potentiates SARS-CoV-2-induced inflammation."

**Dr. Rafael Argüello.** Aix Marseille Univ, CNRS, INSERM, CIML, Center d'Immunologie de Marseille-Luminy, Marseille, Francia. (virtual)

“Immunometabolism in the single cell era.”

**19:00-20:00 Conference (SAFIS)**

**Room: Aguamarina**

**Chair:**

**Dr. Julieta Palomeque.** Cardiovascular Research Center. La Plata, Argentina.

**Dr. Shey-Shing Sheu.** Sidney Kimmel Medical College Thomas Jefferson University, USA.

“Calcium, ATP, and ROS: a mitochondrial love-hate triangle”.

**20:00 -21:00 Presidential Addresses**

**Room: Atlantic**

**Dr. Daniel F. Alonso.** SAIC President

**Dr. Martín Vila Petroff.** SAFIS President

**Dr. Emilio L. Malchiodi.** SAI President

**21:00 Cocktail**

**Room: Atlantic**

**DAY 2**  
**THURSDAY NOVEMBER 17th**

**8:00-9:00 Mini-course (SAIC) Introduction to the extracellular vesicles world**

**Room: Coral**

**Chair:**

**Dr. María Noé García.** Institute for Humoral Immunity Studies (IDEHU) Prof. Dr. Ricardo A. Margni, CABA, Argentina.

**Speakers:**

**Dr. María Noé García.** Institute for Humoral Immunity Studies (IDEHU) Prof. Dr. Ricardo A. Margni, CABA, Argentina.

**Dr. Daniela Papademetrio.** Institute for Humoral Immunity Studies (IDEHU) Prof. Dr. Ricardo A. Margni, CABA, Argentina.

**Dr. Daniel Grasso.** Institute for Humoral Immunity Studies (IDEHU) Prof. Dr. Ricardo A. Margni, CABA, Argentina.

**Dr. Matias Ostrowski.** Institute of Biomedical Research in Retrovirus and AIDS (INBIRS), CABA, Argentina.

**9:00-10:30 Poster Session 2 (SAI)**

**Room: Mediterraneo**

**ADAPTIVE IMMUNITY**  
**AUTOIMMUNITY**  
**CLINIC IMMUNOLOGY**  
**IMMUNITY OF REPRODUCTION**  
**IMMUNITY OF TRANSPLANT**

**9:00-10:30 Poster Session 2 (SAIC & SAFIS)**

**Room: Muelle Azul Sector**

**BIONFORMATICS AND THERAPEUTIC TARGETS I**  
**CARDIOVASCULAR AND RESPIRATORY I**  
**INFECTOLOGY AND PARASITOLOGY I**  
**ONCOLOGY I**  
**PHARMACOLOGY AND RELATED TOPICS I**  
**REGENERATIVE MEDICINE AND NANOMEDICINE**

**9:00-10:00 Conference 3 (SAIC)**

**Room: Atlantic**

**Chairs:**

**Dr. Stella Maris Ranuncolo.** Institute of Oncology “Ángel H. Roffo”, CABA, Argentina.

**Dr. Adriana Gruppi:** CIBICI-CONICET, Center for Research in Clinical Biochemistry and Immunology (CIBICI), Córdoba, Argentina.

**Dr. Marta Zerga.** Institute of Oncology in the Hospital “Ángel H. Roffo”, CABA, Argentina.

**Dr. Irma Slavustky.** IMEX-Institute of Experimental Medicine, CONICET-National Academy of Medicine, CABA, Argentina.

**Dr. Elaine S. Jaffé.** NIH Distinguished Investigator, Chief of Hematopathology Section, Laboratory of Pathology, National Cancer Institute (NCI), National Institutes of Health (NIH), Bethesda, Maryland, USA. (virtual)

**“The diagnosis of lymphoma in the era of personalized medicine.”**

**10:00-12:00 Symposium 4 (SAIC-SAI) B cells in health and disease**

**Room: Atlantic**

**Chairs:**

**Dr. Marta Zerga.** Institute of Oncology in the Hospital “Ángel H. Roffo”, CABA, Argentina.

**Dr. Adriana Gruppi:** CIBICI-CONICET, Center for Research in Clinical Biochemistry and Immunology (CIBICI), Córdoba, Argentina.

**Speakers:**

**Dr. Ralf Küppers.** Institute of Cell Biology (Cancer Research). Faculty of Medicine. University of Duisburg-Essen. Germany.

**“Biology of Hodgkin Lymphoma.”**

**Dr. Laura Pasqualucci.** Institute for Cancer Genetics. Department of Pathology and Cell Biology. Columbia University. Nueva York, Nueva York. United States of America.

“Dysregulation of super-enhancer networks in B cell lymphoma”

**Dr. Klaus Rajewsky.** Max Delbrück Center for Molecular Medicine in the Helmholtz Association (MDC), Berlín, Germany. (virtual)

“Targeting B cells genetically.”

**Dr. Jason Cyster.** Investigator of the Howard Hughes Medical Institute and Professor and Vice-Chair in the Department of Microbiology and Immunology at the University of California, San Francisco (UCSF). San Francisco, United States of America. (virtual)

“Molecular cues organizing the germinal center response.”

**10:00-12:00 Round Table 1 (SAIC) Health science education**

**Room: Coral**

**Chairs:**

**Dr. Alberto D´Ottavio.** School of Medical Sciences, National University of Rosario, Rosario, Santa Fe, Argentina.

**Dr. Daniel Gomez.** National University of Quilmes (UNQ), Buenos Aires, Argentina.

**Speakers:**

**Dr. Alberto D`Ottavio.** School of Medical Sciences, National University of Rosario, Rosario, Santa Fe, Argentina. (virtual)

“Debatable reflections on curricular design in health sciences.”

**Dr. Edgardo Moretti.** School of Medical Sciences, National University of Córdoba, Córdoba, Argentina. (virtual)

“Chagas disease, its teaching and learning as a complex endemic problem.”

**Dr. Lucio Criado.** Former President of the Argentine Society of Medicine (SAM), CABA, Argentina.

“Postgraduate educational challenges: how to reach millennials.”

**11:00-13:00 Symposium (SAFIS) "AQUAPORINS" 30 years after the discovery of AQP1: New roles, regulation and clinical implications**

**Room: Aguamarina**

**Chairs:**

**Dr. Claudia Capurro.** Institute of Physiology and Biophysics “Bernardo Houssay” (IFIBIO-HOUSSAY), Buenos Aires, Argentina.

**Dr. Gisela Di Giusto.** Institute of Physiology and Biophysics "Bernardo Houssay" (IFIBIO-HOUSSAY) UBA-CONICET, Buenos Aires, Argentina.

**Speakers:**

**Dr. Miriam Echevarría.** Professor of Physiology, Dept. of Medical Physiology and Biophysics, Faculty of Medicine, University of Seville; Researcher at the Institute of Biomedicine of Seville (IBiS), Seville, Spain.

"Aquaporins in the brain, their contribution to cerebrospinal fluid homeostasis and their role in hydrocephaly."

**Dr. Claudia Capurro.** Institute of Physiology and Biophysics "Bernardo Houssay" (IFIBIO-HOUSSAY) UBA-CONICET, Buenos Aires, Argentina.

"Role of AQP4 Aquaporin in Glial Cell Homeostasis in Physiology and Disease".

**Dr. Florencia Albertoni.** Chair of Cellular and Molecular Biology, Department of Biological Sciences, Buenos Aires, Argentina.

"Altered expression of AQP2 in animal models of hypertension".

**Dr. Karina Alleva.** Institute of Biological Chemistry and Physical Chemistry "Prof. Alejandro C. Paladini" (IQUIFIB), Buenos Aires, Argentina.

"The complex diversity of the MIP/Aquaporin family and description of the expanded MIP groups in parasitic kinetoplastids."

**12:00-13:00 Conference 4 (SAIC)**

**Room: Atlantic**

**Chairs:**

**Dr. Mariana Malvicini.** Research Institute in Translational Medicine, Austral University-CONICET, Buenos Aires, Argentina.

**Dr. Karina Gomez.** Research Institute Genetic Engineering and Molecular Biology (INGEBI), CABA, Argentina.

**Dr. Diana Hansen.** The Walter and Eliza Hall Institute, Melbourne, Australia.

**"Systems biology approaches to understand immunity to malaria."**

**12:00-13:00 Conference (SAI)**

**Room: 15 de mayo**

**Chairs:**

**Dr. Romina Gamberale:** IMEX-Institute of Experimental Medicine, National Academy of Medicine, CABA, Argentina

**Speaker:**

**Dr. Alvaro Ildaser:** Principal Investigator, Fundación Ciencia & Vida and Universidad San Sebastián, Santiago de Chile, Chile

**"Unveiling the crosstalk between CD8+ T cells and dendritic cells underlying effective antitumor immunity."**

**13:00 14:00 LUNCH | SIMPOSIO COMERCIAL THERMOFISHER – CUPOS LIMITADOS SALON AGUAMARINA**

**14:00-15:30 Poster Session 3 (SAI)**

**Room: Mediterraneo**

**INNATE IMMUNITY**



**14:00-15:30 Poster Session 3 (SAIC & SAFIS)**

**Room: Muelle Azul Sector**

**HEMATOLOGY**  
**NEUROSCIENCES II**  
**ONCOLOGY II**  
**ONCOLOGY III**  
**SIGNAL TRANSDUCTION**  
**TOXICOLOGY II**

**14:00-15:00 Lanari Conference 5 (SAIC) Women Panel**

**Room: Atlantic**

**Chair:**

**Dr. Marianela Candolfi.** Institute of Biomedical Research (INBIOMED-UBA-CONICET), School of Medicina, UBA, CABA, Argentina.

**Dr. Andrea Gamarnik.** Director of the Institute of Biochemical Research of Buenos Aires, Laboratory of Molecular Virology, Leloir Institute Foundation-CONICET, CABA, Argentina.

**“From the bench to the battlefield: let’s talk about the pandemic, science and gender.”**

**15:00-16:00 Conference 6 (SAI-SAIC)**

**Room: Atlantic**

**Chairs:**

**Dr. Matías Ostrowski.** Institute of Biomedical Research in Retrovirus and AIDS (INBIRS), CABA, Argentina.

**Dr. Daniela Papademetrio.** Institute of Studies of the Humoral Immunity (IDEHU) Prof. Dr. Ricardo A. Margni, CABA, Argentina.

**Dr. Clotilde Théry.** Mt Royal, NJ, US. Institut Curie Inserm: París, Ile-de-France, France. (virtual)

**“Effects of tumor-derived extracellular vesicles and their subtypes on myeloid immune cells.”**

**16:00-18:00 Symposium 5 (SAI-SAIC) Extracellular vesicles in infection, inflammation and cancer**

**Room: Atlantic**

**Chairs:**

**Dr. Daniel Grasso.** Institute of Studies of the Humoral Immunity (IDEHU) Prof. Dr. Ricardo A. Margni, CABA, Argentina.

**Dr. Matías Ostrowski.** Institute of Biomedical Research in Retrovirus and AIDS (INBIRS), CABA, Argentina.

**Speakers:**

**Dr. Andrew Hill PhD.** La Trobe Institute for Molecular Science, La Trobe University, Melbourne, Australia. (virtual)

“Extracellular vesicles and neurodegenerative diseases.”

**Dr. Ana Carolina Donadio** CIBICI-CONICET, Center for Research in Clinical Biochemistry and Immunology (CIBICI), Córdoba, Argentina.

“Extracellular vesicles: another piece of the puzzle in thyroid cancer.”

**Dr. Natalia de Miguel.** Institute of Technology Chascomus (INTECH), Chascomús, Argentina.

“Role of extracellular vesicles in parasite: parasite communication in *Trichomonas vaginalis*.”

**Dr. Matías Ostrowski.** Institute of Biomedical Research in Retrovirus and AIDS (INBIRS), CABA, Argentina

“Extracellular vesicles from human plasma dampen inflammation and promote a resolution phenotype in macrophages and neutrophils.”

**16:00-18:00 Round Table (SAFIS) Debate in science: Does Bauman's new modernity influence the way we do science? Room: Aguamarina**

**Chair:**

**Dr. Martín Vila Petroff.** Cardiovascular Research Center, La Plata, Argentina.

**Speakers:**

**Dr. Alicia Mattiuzzi.** Cardiovascular Research Center, La Plata, Argentina.

**Dr. Oscar Bottasso.** Institute of Clinical and Experimental Immunology of Rosario, IDICER, Rosario, Argentina.

**16:00-18:00 Symposium (SAI) Frontiers in organ transplantation and autoimmunity Room: Hotel 15 de mayo**

**Chairs:**

**Dr. Marta Toscano:** Laboratory of Molecular Biology and Genetics, Arturo Oñativia Hospital, Salta, Argentina.

**Dr. Rubén Motrich:** CIBICI-CONICET, Center for Research in Clinical Biochemistry and Immunology (CIBICI), Córdoba, Argentina.

**Speakers:**

**Dr. Ignacio Anegón** INSERM-CR2TI Nantes, France.

“A new tolerogenic strategy targeting CD45RC<sup>high</sup> cells in organ transplantation, acute GVHD and autoimmunity.”

**Dr. Mauricio Farez.** Research Center in Neurodegenerative diseases (CIEN). CABA, Argentina.

“What causes Multiple Sclerosis?”

**Dr. Oliver Boyer,** Univ of Rouen Normandie, Inserm, U1234, FOCIS Center of Excellence PANTHER, Rouen University Hospital, Department of Immunology and Biotherapy, Rouen, France.

“Pathophysiology and therapeutic perspectives in autoimmune necrotizing myopathies.”

**Dr. Anne Dejean**, INFINITY - Toulouse Institute for Infectious and Inflammatory Diseases Team IDCNS - Inflammatory diseases of the Central nervous system, University Toulouse III, France  
 “Role of Eomes in inflammation and cancer.”

**18:00-19:00h Leonardo SATZ Plenary Conference (SAI) Room: Hotel 15 de mayo**

**Chair:**

**Dr. Mariana Maccioni**. CIBICI-CONICET, Center for Research in Clinical Biochemistry and Immunology (CIBICI), Córdoba, Argentina.

**Dr. Eliane Piaggio**. Head of Translational Immunotherapy Team, INSERM U932, Institute Curie. Egle-Therapeutics, Paris, France.

“Regulatory T cells and cancer: a translational approach”

**18:00-20:00 Round Table 2 (SAIC) What the pandemic left in health and science areas**

**Room: Atlantic**

**Chairs:**

**Dr. Alejandro Curino**. Institute of Biochemical Research of Bahía Blanca, Bahía Blanca, Argentina.

**Dr. Cristina Carrillo**. Institute of Experimental Physiology, Scientific and Technological Center CONICET-Rosario, Rosario, Argentina.

**Speakers:**

**Dr. Alejandro Curino**. Institute of Biochemical Research of Bahía Blanca, Bahía Blanca, Argentina.

“The role of scientific organizations in the face of the spread of false and unscientific data on vaccination and the pandemic.”

**Dr. Cristina Carrillo**. Institute of Experimental Physiology, Scientific and Technological Center CONICET-Rosario, Rosario, Santa Fe, Argentina.

“A congress in the pandemic.”

**Dr. Ana Franchi**. President of CONICET, CABA, Argentina.

“The scientific community in the face of the pandemic: a before and after?”

**Dr. Alejandra Sánchez Cabezas**. Advisor of the National Health Ministry, Vicepresident Argentine Association of Public Health, CABA, Argentina.

“Challenges.”

**18:00-20:00 Symposium (SAFIS) Organized by the SAFIS Teaching Committee. Between the physiology we investigate, the one we teach and the one that society needs Room: Aguamarina**

**Chairs:**

**Dr. Sebastián Caffera.** Chair of Public Health, Faculty of Medicine, UBA. Associate Director of the Bicentennial Hospital of Ituzaingó, Buenos Aires, Argentina.

**Dr: Paola Boarelli.** Faculty of Kinesiology and Physiotherapy, Universidad Juan A. Maza, Mendoza, Argentina.

**Speakers:**

**Dr. Irene Ennis.** Professor of the Chair of Physiology and Biological Physics, Faculty of Medical Sciences, National University of La Plata, La Plata, Argentina.

**Dr. Rosana Elesgaray.** Professor of Physiology, Faculty of Pharmacy and Biochemistry, University of Buenos Aires. IQIIMEFA, CABA, Argentina.

**Dr. Diego A. Rosso.** Professor of Pharmacology, Faculty of Medicine, UBA., CABA, Argentina.

**19:00-21:00 Assembly of the Society (SAI)**

**Room: Hotel 15 de mayo**

**20:00-21:00 SAFIS Teaching Committee meeting (SAFIS)**

**Room: Aguamarina**

**DAY 3**  
**FRIDAY NOVEMBER 18<sup>th</sup>**

**8:00-9:00 Mini-course (SAIC) How to communicate science: basic tools to tell a project**

**Room: Coral**

**Chairs:**

**Dr. Fernanda Castillo.** Institute of Biomedical Research (INBIOMED), CABA, Argentina.

**Dr. Susana Feliú.** Cathedra of Nutrition, School of Pharmacy and Biochemistry, CABA, Argentina.

**Speaker:**

**Lic. Nadia Luna.** Science Journalist, CABA, Argentina.

**9:00-10:30 Poster Session 4 (SAI)**

**Room: Mediterraneo**

**INFECTIOUS DISEASE**

**IMMUNOTHERAPY**

**9:00-10:30 Poster Session 2 (SAIC & SAFIS)**

**Room: Muelle Azul Sector**

**ONCOLOGY IV**

**METABOLISM AND NUTRITION II**

**REPRODUCTION II**

**GASTROENTEROLOGY**

**GENETICS I**

**9:00-10:00 Conference 7 (SAIC)**

**Room: Atlantic**

**Chair:**

**Dr. Hernán Farina.** National University of Quilmes (UNQ), Buenos Aires, Argentina.

**Dr. Julio Aguirre-Ghiso.** Endowed Professor of Cell Biology, Department of Cell Biology, Director of Cancer Dormancy and Tumor Microenvironment Institute, Albert Einstein Cancer Center, Albert Einstein College of Medicine, Bronx, Nueva York, USA.

**“Disseminated cancer cell dormancy: a homeostatic seed and soil partnership.”**

**9:00-11:00 Symposium (SAFIS) Mechanical stress as an intracellular signaling pathway**

**Room: Aguamarina**

**Chairs:**

**Dr. Gustavo Pérez.** Cardiovascular Research Center, La Plata, Argentina.

**Dr. Horacio Cantiello.** Multidisciplinary institute of health, technology, and development, Santiago del Estero, Argentina.

**Speakers:**

**Dr. Maria Eugenia Casatti.** Institute of Pharmacology of the Faculty of Medicine, CABA, Argentina.

"The hair cells of the cochlea: much more than mechanosensors".

**Dr. Horacio Cantiello.** Multidisciplinary institute of health, technology, and development. Santiago del Estero, Argentina.

"Impact of the cytoskeleton on brain electrical activity."

**Dr. Ye Chen-Izu.** Department of Pharmacology, University of California, Davis, California, USA.

"Autoregulation of cardiomyocyte excitation-contraction coupling by mechano-chemo-electro-transduction feedback".

**Dr. Nora Alicia Martinez.** Bernardo Houssay Institute of Physiology and Biophysics, CABA, Argentina.

"Hyperosmolarity affects the differentiation of the human extravillous trophoblast by internalization of the Caveolae."

**10:30-12:30 Symposium 6 (SAIC) Impact of environmental pollutants and lifestyle on health**

**Room: Atlantic**

**Chairs:**

**Dr. Claudia Cocca.** School of Pharmacy and Biochemistry (FFyB), CABA, Argentina.

**Dr. Andrea Randi.** School of Medicine, UBA, CABA, Argentina.

**Speakers:**

**Dr. Horacio Rodriguez.** Institute of Health and Environment of Litoral, Scientific and Technological Center CONICET, Santa Fe, Argentina.

“Impact of benzophenone-3 sunscreen on reproduction: lessons from in vivo and in vitro murine models.”

**Dr. Germán Cano-Sancho.** LABERCA, Nantes, France. (virtual)

“Associations between mixtures of endocrine disrupting chemicals and breast cancer risk in observational studies.”

**Dr. María Laura Ruiz.** Institute of Experimental Physiology (IFISE), Rosario, Argentina.

“Pharmaco-toxicological impact of ABC transporter (or multidrug resistance transporter) induction by the phytoestrogen genistein.”

**Dr. Florencia Chiappini.** Laboratory de Biological Effects of Environmental Contaminants, Departament of Human Biochemistry, CABA, Argentina.

“Endocrine disruptors exposure increases the risk of endometriosis.”

**11:00-13:00 SAFIS Camilión de Hurtado Award: Best cardiovascular research Room: Aguamarina**

**Chair:**

**Dr. Ernesto A. Aiello.** Cardiovascular Research Center, La Plata, Argentina.

**Judges:**

**Dr. Alicia Mattiazzi.** Cardiovascular Research Center. La Plata, Argentina.

**Dr. Emiliano Diez.** Institute of Medicine and Experimental Biology of Cuyo, Mendoza, Argentina.

**Dr. Andrea Fellet.** Instituto de Química y Metabolismo del Fármaco. Buenos Aires Argentina.

ACUTE ANTIOXIDANT EFFECT OF GLUCOCORTICOIDS IMPROVE CARDIAC FUNCTION FOLLOWING ISCHEMIA/REPERFUSION Daiana S. Escudero, Juliana C. Fantinelli, Valeria R. Martínez, Néstor G. Pérez and Romina G. Díaz Centro de Investigaciones Cardiovasculares “Dr. Horacio E. Cingolani”, Facultad de Ciencias Médicas, Universidad Nacional de La Plata, La Plata, Argentina.

PLACENTAL ANGIOGENESIS DEPENDS ON AQP1 AND AQP4, AND THE PROPER INTERACTION WITH CAV-1 Julieta Reppetti<sup>1</sup>, Marcus V. Reis<sup>1</sup>, Juan J. Casal<sup>2</sup>, Germán Gornalusse<sup>3</sup>, Alicia E. Damiano<sup>1,4</sup>, Nora Martínez<sup>1</sup> <sup>1</sup> Laboratorio de Biología de la Reproducción. IFIBIO-Houssay (UBA-CONICET). Facultad de Medicina, Universidad de Buenos Aires. Buenos Aires, Argentina. <sup>2</sup> IFIBIO Houssay (UBA-CONICET). Facultad de Medicina, Universidad de Buenos Aires. Buenos Aires, Argentina. <sup>3</sup> Department of Medicine, University of Washington, Seattle, Washington, USA. <sup>4</sup> Cátedra de Biología Celular y Molecular. Departamento de Ciencias Biológicas, Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires, Buenos Aires, Argentina.

EFFECT OF ADIPOSE MUSE CELL IMPLANTATION ON HOMING AND ANGIOGENESIS IN A SHEEP MODEL OF ACUTE MYOCARDIAL INFARCTION Giovanna Castillo<sup>1</sup>, Tomás M. Peralta<sup>1</sup>, Paola Locatelli<sup>1</sup>, Alberto J. Crottogini<sup>1</sup>, Fernanda D. Olea<sup>1</sup>, Luis A. Cuniberti<sup>1</sup> <sup>1</sup> Laboratorio de Regeneración Cardiovascular. Instituto de Medicina Traslacional, Trasplante y Bioingeniería (IMETTYB) Universidad Favaloro-CONICET. Buenos Aires, CABA, C1078AAI, Argentina

**11:00-13:00 Symposium (SAI) New insights in cancer immunotherapy**

**Room: Hotel 15 de mayo**

**Chairs:**

**Dr. Diego Croci.** IHEM, Institute of Histology and Embryology of Mendoza Dr. Mario H. Burgos, CCT-CONICET, Mendoza, Argentina.

**Dr. Eduardo Chuluyan.** CEFYBO, Center of pharmacological and botanical studies, CABA, Argentina.

**Speakers:**

**Dr. Carolina Montes:** CIBICI-CONICET, Center for Research in Clinical Biochemistry and Immunology (CIBICI), National University of Córdoba, Córdoba, Argentina.

“Role of CD39+ Tumor-Infiltrating CD4+ T cells in the immune response against tumors.”

**Dr. Estrella Levy.** Center of Oncology Research, Cancer Foundation (CIO-FUCA), CABA, Argentina.

“Antibody-dependent cellular cytotoxicity mediated by Natural Killer cells in tumor immunotherapy with therapeutic antibodies.”

**Dr. Mercedes Fuertes:** Laboratory of Physiopathology of Innate Immunity, Institute of Biology and Experimental Medicine. IBYME-CONICET. CABA Argentina.

“Tumor-driven PD-L1+ NK cells regulating CTL responses”.

**Dr. Claire Hivroz,** Lab of Integrative Analysis of T Cell Activation, Inserm U932, Institut Curie, Paris, France.

“The immune synapse shapes the functional response of T lymphocytes.”

**13:00-14:00 LUNCH**

**14:00-15:30 Poster Session 5 (SAI)**

**Room: Mediterraneo**

**TUMOR IMMUNOLOGY**

**VACCINES**

**14:00-15:30 Poster Session 5 (SAIC & SAFIS)**

**Room: Muelle Azul Sector**

**BIOINFORMATICS AND THERAPEUTIC TARGETS II**

**CELL PHYSIOLOGY**

**NEFROLOGY**

**ONCOLOGY V**

**ONCOLOGY VI**

**REGENERATIVE MEDICINE AND NANOMEDICINE II**

**14:00-16:00 Symposium 7 (SAIC) Current vision on diabetes**

**Room: Atlantic**

**Chair:**

**Dr. Félix Miguel Puchulu.** Chief of Diabetology Section, Clinics Hospital José de San Martín, School of Medicine, CABA, Argentina.

**Speakers:**

**Dr. Félix Miguel Puchulu.** Chief of Diabetology Section, Clinics Hospital José de San Martín, School of Medicine, UBA, CABA, Argentina.

“Diabetes treatment: current vision.”

**Dr. Luis A. Grosembacher.** Chief of Diabetes Section, Service of Endocrinology and Metabolism, Italian Hospital of Buenos Aires (HIBA), CABA, Argentina.

“The artificial pancreas in the world and in Argentina.”

**Dr. Sun Ho Hyon.** Chief of Renopancreatic Transplant and Chief Mini-invasive Surgery, Service of General Surgery, Italian Hospital of Buenos Aires (HIBA), CABA, Argentina.

“Islet transplantation for pancreatic beta cell replacement.”

**15:30-17:30 Symposium (SAI) Immune landscape of infectious disease**

**Room: Hotel 15 de mayo**

**Chairs:**

**Dr. Florencia Quiroga.** Institute of Biomedical Research in Retrovirus and AIDS (INBIRS), CABA, Argentina.

**Dr. Claudia Sotomayor.** CIBICI-CONICET, Center for Research in Clinical Biochemistry and Immunology (CIBICI), Córdoba, Argentina.

**Speakers:**

**Dr. Verónica García:** Institute of Biological Chemistry of the Faculty of the Exact and Natural Sciences IQUIBICEN, CABA, Argentina.

“Neutrophils in human tuberculosis: are these cells key players in the fight against Mycobacterium tuberculosis?”

**Dr. Ana Rosa Pérez:** Institute of Clinic and Experimental Immunology of Rosario (IDICER-CONICET), Center of research and production of biological reagents School of Medicine, National University of Rosario, UNR (CIPREB-FCM-UNR), Rosario, Argentina.

“Trans-sialidase fragments as a potential mucosal vaccine against Chagas Disease”

**Dr. Paula Barrionuevo.** IMEX-Institute of Experimental Medicine, National Academy of Medicine, CABA, Argentina

“Microbial RNA: different faces of its immune-modulating capacity.”

**Dr. Philippe Benaroch:** Head of Myeloid cells and Immunity team. INSERM U932, Institut Curie, Paris, France.

“Myeloid cells and HIV-1 interplay. “

**16:00-18:00 Symposium (SAFIS) Transient Receptor Potential Channels: Multiple Functions for a Large Family**

**Room: Aguamarina**



**Chairs:**

**Dr. Emiliano Diez.** Institute of Medicine and Experimental Biology of Cuyo, Mendoza, Argentina.

**Dr. Paula Ford.** Bernardo Houssay Institute of Physiology and Biophysics, Buenos Aires, Argentina.

**Speakers:**

**Dr. Rocio Cantero.** Multidisciplinary Institute of Health, Technology and Development, Santiago del Estero, Argentina.

“TRP channel Polycystin-2 simultaneous topological and electrical changes by atomic force microscopy.”

**Dr. Paula Ford.** Institute of Physiology and Biophysics “Bernardo Houssay” (IFIBIO-HOUSSAY), Buenos Aires, Argentina.

“Functional and physical interaction between the calcium channel TRPV4 and the water channel AQP2 in renal cells.”

**Dr. Aida Oliván-Viguera.** University of Zaragoza, Zaragoza, Spain.

“Pharmacological activation of TRPV4 results in immediate cell damage and induction of apoptosis in human melanoma cells and HaCaT keratinocytes.”

**Dr. Pedro Martin.** Institute of Immunological and Pathophysiological Studies, La Plata, Argentina.

“The potential use of TRPV1 as an anti-seizure target.”

**16:00-18:00 Symposium 8 (SAIC) Repositioning and cancer therapy. Paradigms that age and old drugs that rejuvenate** **Room: Coral**

**Chair:**

**Dr. Graciela Scharovsky.** National University of Rosario (UNR), Rosario, Argentina.

**Speakers:**

**Dr. Alejandro Español.** Center Pharmacological and Botanical Studies (CEFYBO), CABA, Argentina.

“Muscarinic receptors as new targets for antitumor therapy in breast cancer.”

**Dr. Leandro Mainetti.** Institute of Experimental Genetics (IGE), Rosario, Argentina.

“Losartan repositioning in antitumor treatment. Taking pressure off cancer.”

**Dr. Mauricio Menacho-Márquez.** Institute of Clinical and Experimental Immunology of Rosario (IDICER), Rosario, Argentina.

“Drugs repositioning for the treatment of tumors resistant to therapies.”

**Dr. Juan Garona.** Center of Molecular and Translational Oncology, Buenos Aires, Argentina.

“Drug repositioning in osteosarcoma: Between opportunities and unsatisfied needs.”

**16:00-18:00 Symposium 9 (SAIC-SAI) Glycans at the frontiers of health and disease** **Room: Atlantic**

**Chair:**

**Dr. Gabriel Rabinovich.** Institute of Biology and Experimental Medicine (IByME), CABA, Argentina.

**Speakers:**

**Dr. Pamela Stanley.** Horace W. Goldsmith Foundation Chair, Professor of Cell Biology, Albert Einstein College of Medicine of Yeshiva University, Bronx, Nueva York, USA.

“Roles for glycans in Notch signaling that regulates hematopoiesis.”

**Dr. Gerardo R. Vasta.** Department of Microbiology & Immunology, UMD School of Medicine, Baltimore, Maryland, USA.

“Diverse roles of host galectins in viral infection of mucosal epithelia.”

**Dr. Fernando José Irazoqui.** Department of Biological Chemistry Ranwel Caputto (DQBRC), Córdoba, Argentina.

“Relevance of polypeptide GalNAc-transferase 3 in human health.”

**Dr. Gerald Warren Hart.** Georgia Research Alliance, William Henry Terry, Sr. Eminent Scholar in Drug Discovery, and Professor of Biochemistry and Molecular Biology at the University of Georgia, Georgia, USA. (virtual)

“Nutrient regulation of transcription and translation by O-GlcNAcylation.”

**18:00-20:00 Symposium 10 (SAIC) Liquid Biopsy**

**Room: Hotel 15 de mayo**

**Chair:**

**Dr. Hernán García Rivello.** Chief of Pathology, Italian Hospital of Buenos Aires (HIBA), CABA, Argentina.

**Speakers:**

**Dr. Guillermo Chantada.** Research Institute in Translational Medicine, Austral University-CONICET, Buenos Aires, Argentina.

“Liquid biopsy in pediatric tumors.”

**Dr. Adriana De Siervi.** Laboratory of Molecular Oncology and New Therapeutic Targets, Institute of Biology and Experimental Medicine (IByME), CABA, Argentina.

“Oncoliq: the revolution for cancer detection based on microRNAs liquid biopsies.”

**Dr. Christian Rolfo.** Associate Director Clinical Research Center of Thoracic Oncology at The Tisch Cancer Institute at Mount Sinai Health System, President of the International Society of Liquid Biopsy (ISLB), Nueva York, USA. (virtual)

“Use of Liquid Biopsy in early detection and minimal residual disease in lung cancer.”

**Dr. Davide Rossi.** Deputy Chief of Hematology Service, Oncology Institute of Italian Switzerland (IOSI), Chief of Experimental Oncology Group in the Institute of Oncology Research (IOR), Bellinzona, Switzerland. (virtual)

“Circulating tumor DNA of classic Hodgkin lymphoma.”

**18:00-19:00 Conference (SAFIS)**

**Room: Aguamarina**

**Chair:**

**Dr. Graciela Cremaschi.** Faculty of Medical Sciences, Pontificia Universidad Católica Argentina, Buenos Aires, Argentina.

**Dr. Ana Maria Genaro.** Institute of Biomedical Research, Buenos Aires, Argentina.

**"Obesity-stress interrelationship. Associated cognitive and metabolic immune disorders."**

**18:30-19:30 Plenary Conference (SAI) Commemorative lectureship of the 50th anniversary of the Argentinian Society of Immunology** Room: Atlantic

**Chair:**

**Dr. Emilio Malchiodi.** Institute of Humoral Immunity Prof. Ricardo A. Margni (IDEHU), CABA, Argentina.

**Dr. Gabriel A. Rabinovich.** Laboratory of Glycomedicine, Institute of Biology and Experimental Medicine (IByME), CABA, Argentina.

**"A sweet adventure from an unexpected discovery toward the design of novel therapeutic agents in autoimmune inflammation, infection and cancer."**

**19:00-20:00 Assembly of the Society (SAFIS)** Room: Aguamarina

**20:00-21:00 Assembly of the Society (SAIC)** Room: Atlantic

**DAY 4**  
**SATURDAY NOVEMBER 19th**

**8:00-9:00 Chat with Expert (SAIC) From bench to bedside in clinical research** Room: Coral

**Chairs:**

**Dr. María Laura Ruiz.** Institute of Experimental Physiology (IFISE), Rosario, Argentina.

**Dr. Gloria Cerrone.** Cathedra of Genetics, School of Pharmacy and Biochemistry (FFyB), CABA, Argentina.

**Speaker: Dr. Mauricio Caballero.** Infant Foundation, CABA, Argentina.

**9:00-10:30 Poster Session 6 (SAIC & SAFIS)** Room: Muelle Azul Sector  
**CARDIOVASCULAR AND RESPIRATORY II**  
**ENDOCRINOLOGY II**

**GENETICS II**  
**INFECTOLOGY AND PARASITOLOGY II**  
**NEUROSCIENCES III**  
**ONCOLOGY VII**

**9:00-11:00 Symposium (SAI) Argentinian researchers against COVID-19**

**Room: Hotel 15 de mayo**

**Chairs:**

**Dr. Ana Ceballos.** Institute of Biomedical Research in Retrovirus and AIDS (INBIRS), CABA, Argentina.

**Dr. Marisa Fernández.** IDHEU, Institute of Humoral Immunity, Prof. Ricardo A., CABA, Argentina.

**Speakers:**

**Dr. Mariana Maccioni.** Center for Research in Clinical Biochemistry and Immunology (CIBICI), Córdoba, Argentina.

“Single-center analysis of sixteen vaccine combinations against SARS-CoV-2 reveals distinct immune signatures: the experience of InmunoCovid Cba.”

**Dr. Juliana Cassataro.** Institute of Biotechnological Research, EByN, Buenos Aires, Argentina.

“ARVAC Cecilia Grierson vaccine: an adapted recombinant booster vaccine against SARS-CoV-2 that can be produced in Argentina.”

**Dr. Lourdes Arruvito.** Institute of Biomedical Research in Retrovirus and AIDS (INBIRS), CABA, Argentina.

“COVID-19 in children: antibody response induced by infection and vaccination, hybrid immunity and long-term symptoms.”

**9:00-11:00 Symposium 11 (SAIC) Human microbiota: a new source of biomarkers**

**Room: Atlantic**

**Chair:**

**Dr. Julieta Trink.** Institute of Translational Medicine and Biomedical Engineering (IMTIB), CABA, Argentina.

**Speakers:**

**Dr. Julieta Trink.** Institute of Translational Medicine and Biomedical Engineering (IMTIB), CABA, Argentina.

“Search for diagnostic and prognostic biomarkers of fatty liver associated with metabolic dysfunction (MAFLD): integrated analysis of the intestinal transcriptome and metabolome in Argentine patients.”

**Dr. Nadia Riera.** Institute Pasteur of Montevideo, Montevideo, Uruguay.

“The role of the gut microbiome in immunotherapy response: lessons from an Uruguayan cohort.”

**Dr. Federico Rey.** Department of Bacteriology, University of Wisconsin-Madison, USA.

“How do gut microbes modulate atherosclerosis?”

**Dr. Alberto Penas Steinhardt.** Laboratory of Computational Genomics, Luján, Argentina.

“Two-steps analysis of the intestinal microbiome of the general population of Buenos Aires and its variation due to preventive and mandatory social isolation during the COVID-19 pandemic.”

**Dr. Mario Reis Alvares-Da Silva.** Federal University of Rio Grande do Sul. Head, GI/Liver Unit, Clinics Hospital of Porto Alegre, Senior Lecturer, University of São Paulo, São Paulo, Brazil. (virtual)

“Microbiome, metabolic associated fatty liver disease (MAFLD)/non-alcoholic fatty liver disease (NAFLD) and cardiovascular risk.”

**11:00-13:00 Symposium 12 (SAIC) Translational research in the area of human health**

**Room: Atlantic**

**Chair:**

**Dr. Rodolfo Rey.** Director of Endocrinology Research Center Dr. César Bergada (CEDIE), CONICET-FEI, Division of Endocrinology, Children Hospital Ricardo Gutiérrez, CABA, Argentina.

**Speakers:**

**Dr. Oscar Bottasso.** Institute of Clinic and Experimental Immunology of Rosario, Rosario, Argentina.

“The reciprocities between clinical and laboratory biomedical research.”

**Dr. Dario Vezzani.** Multidisciplinary Institute on Ecosystems and Sustainable Development, Tandil, Argentina.

“Aedes aegypti mosquito early detection: cornerstone of dengue prevention in the center of the Buenos Aires province.”

**Dr. Jorge Geffner.** Institute of Biomedical Research in Retrovirus and AIDS (INBIRS), CABA, Argentina.

“Translational medicine in Argentina: identification of the great pending subjects.”

**Dr. María Eugenia Esandi.** Institute of Epidemiological Research, Bahía Blanca, Argentina.

“Challenges for implementation science in low resource settings.”

**11:00-13:00 Symposium Guillermina Feldman (SAI) of Clinic Immunology:**

**Primary Pediatric Immunodeficiencies**

**Room: Hotel 15 de mayo**

**Chairs:**

**Dr. Liliana Bezrodnik:** Center of Clinic Immunology (CIC), Center Jeffrey Modell Argentina, Consultant Immunology Hospital Ricardo Gutierrez, CABA, Argentina.

**Dr. Gabriela Mora:** Immunology Unit Hospital Militar Central, CABA, Argentina.

**Speakers:**

**Dr. Jacinta Bustamante** Laboratory of Human Genetics of Infectious Diseases, Necker Branch, INSERM U1163, Necker Hospital for Sick Children, Paris Cité University Imagine Institute, Paris,

France and Giles Laboratory of Human Genetics of Infectious Diseases, Rockefeller Branch, The Rockefeller University, New York, NY, USA.

“IFRs and predisposition to intracellular pathogens.”

**Dr. Gisela Seminario.** Center of Clinic Immunology (CIC), Immunology Hospital Ricardo Gutierrez, CABA, Argentina.

“New inborn errors of immunity due to Relopathies, case report.”

**Dr. Belen Almejum:** Institute of Biological Chemistry of the Faculty of the Exact and Natural Sciences IQUBICEN, CABA, Argentina.

“Functional studies in novel mutation emerged by NGS in patients with Inborn Errors of Immunity in Argentina.”

**Dr. Frederic Rieux Laucat. MD, PhD.** Immunogenetics of Pediatric autoimmune diseases Imagine institute, INSERM-UMR1163, Université Paris Cité, Paris, France.

“Genetic predisposition to early-onset autoimmune diseases highlights key pathways controlling immune tolerance in humans.”

**11:00-13:00 SAFIS Award-Microlat**

**Room: Aguamarina**

**Chair:**

**Dr. Cecilia Larocca.** Institute of Experimental Physiology, Rosario-Santa Fe, Argentina.

**Jury:**

**Dr. Irene Ennis.** Cardiovascular Research Center. La Plata, Argentina.

**Dr. Gisela Di Giusto.** Institute of Physiology and Biophysics "Bernardo Houssay" (IFIBIO-HOUSSAY) UBA-CONICET, Department of Physiological Sciences, Faculty of Medicine, University of Buenos Aires, Argentina.

**Dr. Enrique Sánchez Pozzi.** Institute of Experimental Physiology, National University of Rosario-CONICET, Santa Fe, Argentina.

PREVENTION OF HEMOLYTIC UREMIC SYNDROME (HUS) USING DRUGS AGAINST SHIGA TOXIN TYPE 2 (STX2): CANDIDATE SELECTION BY MOLECULAR DYNAMICS (MD) Gioia D.S., Casal J.J., Toriano R. Instituto de Fisiología y Biofísica Bernardo Houssay, UBA-CONICET.

EFFECTS OF STRIATAL SOMATOSTATINERGIC INTERNEURON INHIBITION ON THE DEVELOPMENT OF L-DOPA INDUCED DYSKINESIA Agostina M. Stahl, Cecilia Tubert, Lucía Garbini, Juan E. Belforte, Lorena Rela, M. Gustavo Murer Grupo de Neurociencia de Sistemas, Instituto de Fisiología y Biofísica (IFIBIO) Bernardo Houssay, UBA-CONICET, Buenos Aires, Argentina.

MECHANISMS MEDIATING INTERNALIZATION AND TRANSPORT OF GHRELIN IN HYPOTHALAMIC TANYCYTES Ivana María Gómez, Daniel Castrogiovanni, Maia Uriarte, Mario Perelló, Pablo Nicolás De Francesco Laboratorio de Neurofisiología, Instituto Multidisciplinario de Biología Celular (IMBICE, CIC-CONICET-UNLP).

GHSR DEFICIENCY INCREASE LIRAGLUTIDE EFFECTS IN FEMALE MICE Daniela Cassano<sup>1</sup>, Gimena Fernandez<sup>1</sup>, María Paula Cornejo<sup>1</sup>, Abdella M Habib<sup>2</sup>, Mario Perelló<sup>1</sup> Instituto Multidisciplinario

de Biología Celular (IMBICE), [CONICET – CIC – UNLP], Laboratorio de Neurofisiología, La Plata, Argentina, 2 Qatar University – College of Medicine, Basic Medical Science Department, Qatar, Qatar.

OMEGA 3 MITIGATION ON DEFICIENT HYPOXIC-VENTILATORY RESPONSE (HVR) INDUCED BY MODERATE ETHANOL DOSES IN AN ANIMAL MODEL EQUIVALENT TO THE THIRD TRIMESTER OF HUMAN PREGNANCY Marisol Magalí Segovia<sup>1</sup>, Verónica Balaszczuk<sup>1-2</sup> & Ana Fabiola Macchione<sup>1-2</sup>  
1 Laboratorio de Psicología Experimental, Instituto de Investigaciones Psicológicas IIPsi-CONICETUNC. Córdoba, Argentina. 2 Facultad de Psicología-UNC. Córdoba, Argentina.

### 13:00-14:00 LUNCH

**14:00-15:30 Poster Session 7 (SAIC & SAFIS)**

**Room: Muelle Azul Sector**

**NEUROSCIENCES IV**

**ONCOLOGY VIII**

**METABOLISM AND NUTRITION III**

**PHARMACOLOGY AND RELATED TOPICS II**

**REPRODUCTION III**

**14:00-16:00 Symposium (SAI) Translational medicine in the area of human immunology**

**Room: Hotel 15 de mayo**

#### Chairs:

**Dr. Guillermo Docena.** IIFP-Institute of Studies in Immunology and Physiopathology, La Plata, Argentina.

**Dr. Guillermo Giambartolomei.** Institute of Immunology, Genetics and Metabolism (INIGEM), Buenos Aires, Argentina.

#### Speakers:

**Dr. Hélène Salmon.** Group leader, Institut Curie, INSERM U932, Stroma and Immunity Team, Paris, France. Icahn School of Medicine at Mount Sinai, New York, NY, USA.

“Contribution of stromal cells to regulating T cell infiltration in lung tumors.”

**Dr. Olivier Hermine.** Laboratory of cellular and molecular mechanisms of hematological disorders and therapeutic implications, Université Sorbonne Paris Cité, Department of Clinical Hematology, National center of Mastocytosis, Hôpital Necker, INSERM U 1163, Institut IMAGINE, Paris, France.

“Mastocytosis a rare disease that shed light on the physiopathology of cancer, immune response, inflammation and neurodegenerative diseases in human and veterinarian medicine.”

**Dr. David Michonneau.** INSERM U976 Human immunology, Pathophysiology and Immunotherapy Hematology and transplantation unit, Saint Louis Hospital, Paris, France.

“Azithromycin promotes relapse by disrupting immune and metabolic networks after allogeneic stem cell transplantation.”

**Dr. Norberto Zwirner.** Laboratory of Physiopathology of Innate Immunity, Institute of Biology and Experimental Medicine (IByME), CABA, Argentina.

“The MICA-NKG2D axis and the validation of a novel target in immuno-oncology.”

**13:00-18:00 Award presentations (SAIC)**

**14:00-16:00 Lucio Cherny Foundation Award**

**Room: Atlantic**

**Chairs/Jury:**

**Dr. Alejandro De Nicola.** President, Lucio Cherny Foundation, National Academy of Medicine, CABA, Argentina.

**Dr. Ana María Buzaleh.** Research Center on Porphyrins and Porphyrins (CIPYP), UBA-CONICET, Clinics Hospital, CABA, Argentina.

**Dr. Paula Heller.** Institute of Medical Research A. Lanari (IDIM), School of Medicine, UBA-CONICET, CABA, Argentina.

**Dr. Carlos Davio.** Director, Institute of Pharmacological Research (ININFA), School of Pharmacy and Biochemistry (FFyB), UBA-CONICET, CABA, Argentina.

**Dr. Alejandro Curino.** Institute of Biochemical Research of Bahía Blanca, Bahía Blanca, Argentina.

BIOLOGICAL AND MOLECULAR STUDIES IN MICRODEVICES BASED ON CANCER STEM CELLS FOR THE DEVELOPMENT OF A PERSONALIZED MEDICINE PLATFORM Eduardo Imanol Agüero<sup>1,2</sup>, Denise Belgorosky<sup>1</sup>, Ana Belén Peñaherrera-Pazmiño<sup>2,3</sup>, María Eugenia Azar<sup>4</sup>, Valeria Cáceres<sup>5</sup>, Betiana Lerner<sup>2,3</sup>, Maximiliano Sebastiá, Pérez<sup>2,3</sup>, Ana María Eiján<sup>1,2</sup> <sup>1</sup> Universidad de Buenos Aires (UBA), Facultad de Medicina, Instituto de Oncología “Ángel H. Roffo”, Área de investigación, Buenos Aires, Argentina. <sup>2</sup> Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Buenos Aires, Argentina. <sup>3</sup> Universidad Tecnológica Nacional (UTN), Facultad Regional de Haedo, Buenos Aires, Argentina. <sup>4</sup> Universidad de Buenos Aires (UBA), Facultad de Ciencias Médicas, Instituto de Oncología “Ángel H. Roffo”, Área Quirúrgica, Departamento de Mastología, Buenos Aires, Argentina. <sup>5</sup> Universidad de Buenos Aires (UBA), Facultad de Ciencias Médicas, Instituto de Oncología “Ángel H. Roffo”, Área Médica, Departamento de Oncología Clínica.

COMPREHENSIVE MOLECULAR-GENETIC ANALYSIS OF A HEARING LOSS COHORT FROM ARGENTINA. FUNCTIONAL VALIDATION OF NOVEL VARIANTS IDENTIFIED Paula Buonfiglio<sup>1</sup>, Vanesa Loterzstein<sup>2</sup>, Sebastián Menazzi<sup>3</sup>, Paola Plazas<sup>4</sup>, Ana Belén Elgoyhen<sup>1</sup>, Viviana Dalamón<sup>1</sup> <sup>1</sup> Instituto de Investigaciones en Ingeniería Genética y Biología Molecular “Dr. Héctor Torres”- INGEBI /CONICET. <sup>2</sup> Centro Nacional de Genética Médica- CENAGEM. <sup>3</sup> Servicio de Genética, Hospital de Clínica “José de San Martín”. <sup>4</sup> Instituto de Farmacología, Facultad de Medicina, UBA.

ABLATION OF NKX2.1 DERIVED STRIATAL INTERNEURONS RESULTS IN TOURETTE – LIKE PHENOTYPES Camila Coll, Juan Pablo Beccaria, Bárbara Yael Braz, Analía López Díaz, Juan Emilio



Belforte, Mario Gustavo Murer Grupo de Neurociencia de Sistemas, Instituto de Fisiología y Biofísica (IFIBIO) Bernardo Houssay; UBA-CONICET, Facultad de Medicina, Buenos Aires, Argentina.

INHIBITION OF AUTOPHAGOSOMAL DEGRADATION IN MELANOMA CELLS PROMOTES THE RELEASE OF MEDIATORS THAT INCREASE GLOBAL RESISTANCE TO VEMURAFENIB Cristian R. Falcón<sup>1</sup>, Adolfo R. Zurita<sup>1</sup>, Federico Cuello-Orlandi<sup>2</sup>, Mercedes L Sangiacomo Ruiz<sup>2</sup> Itatí Ibáñez<sup>3</sup>, Johinna Mons<sup>1</sup>, Celia N Pérez<sup>1</sup>, Sergio E Alvarez<sup>1</sup> <sup>1</sup> IMIBIO-SL CONICET; <sup>2</sup> Universidad Nacional De San Luis; <sup>3</sup> Instituto De Ciencia Y Tecnología "DR. CESAR MILSTEIN".

TNF-INDUCED UP-REGULATION OF RAC3 EXPRESSION ELICITS A PRO-INFLAMMATORY PROFILE IN BREAST CANCER-ASSOCIATED ADIPOCYTES María Cecilia Lira<sup>1</sup>, Francisco Damián Rosa<sup>1</sup>, Ignacio Aiello<sup>2</sup>, Mileni Soares Machado<sup>1</sup>, Iara Castellanos<sup>1</sup>, Juliana Lourdes Bernacchia<sup>1</sup>, Alejandra Graciela Palma<sup>1</sup>, María Cecilia Salazar Güemes<sup>3</sup>, Natalia Paladino<sup>2</sup>, Mónica Alejandra Costas<sup>1</sup> and María Fernanda Rubio<sup>1</sup> <sup>1</sup> Instituto de Investigaciones Médicas A. Lanari, UBA, Lab. Biología Molecular y Apoptosis, IDIM UBA-CONICET, <sup>2</sup> Universidad Nacional de Quilmes, Lab. Cronobiología, Dpto CyT, UNQ, <sup>3</sup> Instituto de Investigaciones Médicas A. Lanari, UBA, Dpto Oncología.

**16:00-18:00 Honorio Bigand Foundation Award**

**Room: Atlantic**

**Chairs/Jury:**

**Dr. Claudia Pérez Leirós.** Institute of Biological Chemistry (IQUIBICEN), CONICET, School of Exact and Natural Sciences (FCEyN), UBA, CABA, Argentina.

**Dr. Daniel Gomez.** National University of Quilmes (UNQ), Buenos Aires, Argentina.

**Dr. Fernando Dominici.** Institute of Biological Chemistry and Physical Chemistry Alejandro Paladini (IQUIFIB), CONICET, School of Pharmacy and Biochemistry, UBA, CABA, Argentina.

MOTHERS EXPOSED TO CHILDHOOD ADVERSITY EXHIBIT AN INSECURE INFANT-MOTHER ATTACHMENT STYLE AND ALTERATIONS IN DNA METHYLATION Bruno G. Berardino<sup>1</sup>, Ariel A. Berardino<sup>2</sup>, Estefanía A. Fesser<sup>1</sup>, Christine Mai<sup>3</sup>, Julia Redondo<sup>3</sup>, Pamela Scorza<sup>3</sup>, Eduardo T. Cánepa<sup>1</sup> <sup>1</sup> Laboratorio de Neuroepigenética y Adversidades Tempranas, Departamento Química Biológica, FCEyN, UBA – IQUIBICEN, CONICET, Buenos Aires, Argentina. <sup>2</sup> Fundación Instituto Leloir, CONICET, Buenos Aires, Argentina. <sup>3</sup> Columbia Population Research Center, Columbia University Medical Center, Columbia University, NY 10032, United State.

MULTITARGET COMPOUNDS FROM ESSENTIAL OILS AS NOVEL ANTHELMINTIC DRUGS Guillermina Hernando, Ornella Turani, Noelia Rodríguez Araujo and Cecilia Bouzat Instituto de Investigaciones Bioquímicas de Bahía Blanca, Departamento de Biología, Bioquímica y Farmacia, Universidad Nacional del Sur (UNS)-CONICET, 8000 Bahía Blanca, Argentina.

MICROGLIAL DYSTROPHY DURING AGE-ASSOCIATED DISEASES: POTENTIAL THERAPEUTIC ROLE OF METFORMIN IN ALZHEIMER'S DISEASE AND TYPE 2 DIABETES MELLITUS. Carlos Pomilio<sup>1</sup>, Nicolás

González Pérez<sup>1</sup> , Ángeles Vinuesa<sup>1</sup> , Melina Bellotto<sup>1</sup> , Ismael Calandri<sup>2</sup> , Lucía Crivelli<sup>2</sup> , Melisa Bentivegna<sup>1</sup> , Amal Gregosa<sup>1</sup> , Jessica Presa<sup>1</sup> , Gustavo Sevlever<sup>2</sup> , Juan Beauquis<sup>1</sup> , Flavia Saravia<sup>1</sup>.  
1 Instituto de Biología y Medicina Experimental (CONICET) y Departamento de Química Biológica (FCEyN-UBA). 2 Centro de Memoria y Envejecimiento, Fleni, Buenos Aires, Argentina.

RED BLOOD CELLS MAY BE CRITICAL FOR CORONAVIRUS TO ORCHESTRATE A MULTIORGAN CONQUER Ayelén Toro<sup>1,2</sup>, Ana Paula Arevalo<sup>3</sup> , Gaston Pascual<sup>1,2</sup>, Agustina Sabater<sup>1,2</sup>, Marianoel Pereira<sup>4</sup> , Jorge Porfido<sup>3</sup> , Sofia Lage-Vickers<sup>1,2</sup>, Juan Bizzotto<sup>1,2</sup>, Pablo Sanchis<sup>1,2</sup>, Elba Vázquez<sup>1,2</sup>, Javier Cotignola<sup>1,2</sup>, Gonzalo Moratorio<sup>4</sup> , Martina Crispo<sup>3</sup> , and Geraldine Gueron<sup>1,2</sup>  
1 Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Departamento de Química Biológica, Laboratorio de Inflamación y Cáncer, Buenos Aires, Argentina; 2 CONICET-Universidad de Buenos Aires. Instituto de Química Biológica de la Facultad de Ciencias Exactas y Naturales (IQUIBICEN), Buenos Aires, Argentina; 3 Unidad de Biotecnología en Animales de Laboratorio, Institut Pasteur de Montevideo, Uruguay; 4 Laboratorio de Evolución Experimental de Virus, Institut Pasteur de Montevideo, Uruguay.

REPROGRAMMING THE IMMUNOSUPPRESSIVE MICROENVIRONMENT OF COLORECTAL CANCER BY TARGETING GALECTIN-GLYCAN LATTICES. Alejandro J. Cagnoni Laboratorio de Glicómica Funcional y Molecular, Instituto de Biología y Medicina Experimental, Consejo Nacional de Investigaciones Científicas y Técnicas, C1428ADN Buenos Aires, Argentina; y Laboratorio de Glicomedicina, Instituto de Biología y Medicina Experimental, Consejo Nacional de Investigaciones Científicas y Técnicas, C1428ADN Buenos Aires, Argentina.

**13:00-14:00 Gador Foundation Award**

**Room: Aguamarina**

**Chairs/Jury:**

**Dr. Claudia Lanari.** Institute of Biology and Experimental Medicine (IByME), CONICET, CABA, Argentina.

**Dr. María Marta Facchinetti,** Institute of Biochemical Research of Bahía Blanca, Bahía Blanca, Argentina.

**Dr. Graciela Cremaschi,** Director, Institute de Biomedical Research (BIOMED), CONICET, CABA, Argentina.

TUMOR INTRINSIC EFFECTS OF FOXP3 IN BREAST CANCER CELLS Alejandro Nicola Candia<sup>1</sup> , Nazareno Gonzalez<sup>1</sup>, Jorge A. Peña Agudelo<sup>1</sup>, Matías Garcia Fallit<sup>1,2</sup>, Antonela S. Asad<sup>1</sup>, Sofia Sagripanti<sup>1</sup>, Araceli Abt<sup>1</sup>, Melanie Pérez Küper<sup>1</sup>, Mariela A. Moreno Ayala<sup>1</sup>, Adriana Seilicovich<sup>1</sup>, Flavia Zanetti<sup>3</sup>, Marianela Candolfi<sup>1</sup> 1Instituto de Investigaciones Biomédicas (INBIOMED, UBA-CONICET), Facultad de Medicina, Universidad de Buenos Aires; 2 Departamento de Química Biológica, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina; 3 Instituto Cesar Milstein (CONICET).

CIRCULATING GALECTIN-1 DELINEATES RESPONSE TO BEVACIZUMAB IN MELANOMA PATIENTS AND REPROGRAMS ENDOTHELIAL CELL BIOLOGY Nadia Bannoud<sup>1</sup> , Alejandro J. Cagnoni<sup>2</sup> , Juan C. Stupirski<sup>2</sup> , Pablo F. Hockl<sup>2</sup> , Juan M. Pérez Saez<sup>2</sup> , Pablo A. García<sup>1</sup> , Yamil D. Mahmoud<sup>2</sup> , Julián Gambarte Tudela<sup>1</sup> , Marco Scheidegger<sup>2</sup> , Karina V. Mariño<sup>2</sup> , M. Romina Girotti<sup>2</sup> , Diego O. Croci<sup>1</sup> and Gabriel A. Rabinovich<sup>2,3</sup> <sup>1</sup> IHEM-CONICET-UNCUYO, Mendoza, Argentina. <sup>2</sup> IBYME-CONICET, Buenos Aires, Argentina. <sup>3</sup> Facultad de Ciencias Exactas y Naturales, UBA, Buenos Aires, Argentina.

**14:00-16:00 Genetic Council Award-Eduardo Wilde Association**

**Room: Aguamarina**

**Chairs/Jury:**

**Dr. Ezequiel Surace.** Laboratory de Neurodegenerative Diseases (LEN), Institute of Neurosciences FLENI-CONICET, CABA, Argentina.

**Dr. Liliana Dain.** National Center of Medical Genetics and School of Exact and Natural Sciences-UBA, CABA, Argentina.

**Dr. Carlos De Brasi.** IMEX-Institute of Experimental Medicine, National Academy of Medicine, CONICET, CABA, Argentina.

IDENTIFICATION OF SINGLE NUCLEOTIDE VARIANTS AND FUSION GENES THROUGH TRANSCRIPTOMICS OF PEDIATRIC ACUTE LYMPHOBLASTIC LEUKEMIA PATIENTS FROM A MULTICENTER CLINICAL STUDY IN ARGENTINA. María Sol Ruiz<sup>1,2</sup>, Mercedes Abbate<sup>1,2</sup>, Daniel Avendaño<sup>1,2</sup>, María Cecilia Riccheri<sup>3</sup>, Elba Vazquez<sup>1,2</sup>, Geraldine Gueron<sup>1,2</sup>, Javier Cotignola<sup>1,2</sup> <sup>1</sup> Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Química Biológica, Laboratorio de Inflamación y Cáncer, Buenos Aires, Argentina; <sup>2</sup> CONICET - Universidad de Buenos Aires, Instituto de Química Biológica de la Facultad de Ciencias Exactas y Naturales (IQUIBICEN), Buenos Aires, Argentina. <sup>3</sup> Hospital Nacional Posadas, Servicio de Pediatría, El Palomar, Buenos Aires, Argentina.

GENERATION AND CHARACTERIZATION OF IPSCS FROM A PATIENT WITH MUSCULAR DYSTROPHY WITH A MISSENSE MUTATION IN FHL1 (P.C126T) FOR IN VITRO DISEASE MODELING AND PERSONALIZED THERAPY DEVELOPMENT Castañeda Sheila<sup>1</sup> , Zabalegui Federico<sup>1</sup> , Amín Guadalupe<sup>1</sup> , Belli Carolina Bárbara<sup>1</sup> , Waisman Ariel<sup>1</sup> , La Greca Alejandro Daniel<sup>1</sup> , Sevlever Gustavo Emilio<sup>1</sup> , Miriuka Santiago Gabriel<sup>1</sup> , Moro Lucía Natalia<sup>1</sup> . <sup>1</sup> Laboratorio de Investigación Aplicado a Neurociencias (LIAN), Instituto de Neurociencias (INEU)-CONICET. <sup>2</sup> Instituto de Medicina Experimental (IMEX), Academia Nacional de Medicina (ANM)-CONICET.

PNPLA6 AS A NOVEL GENE IN THE ETIOLOGY OF COMBINED PITUITARY HORMONE DEFICIENCY Maria Andrea Camilletti<sup>1,2</sup>, Sebastián Alexis Vishnopska<sup>1,2</sup>, Lucía Candela Iglesias García<sup>1</sup>, Julian Martinez-Mayer<sup>1</sup>, Michelle Brinkmeier<sup>3</sup>, Roxana Marino<sup>4</sup>, Pablo Ramírez<sup>4</sup>, Natalia Pérez Garrido<sup>4</sup>, Marta Ciaccio<sup>4</sup>, Maria Isabel Di Palma<sup>4</sup>, Alicia Belgorosky<sup>4,6</sup>, Robert Hufnagel<sup>5</sup>, James Liu<sup>5</sup>, Marcelo Adrián Martí<sup>2</sup>, Jacob Otto Kitzman<sup>3</sup>, Sally Ann Camper<sup>3</sup> and María Inés Perez-Millán<sup>1</sup> <sup>1</sup> Instituto de Biociencias, Biotecnología y Biología Traslacional (iB3), Facultad de Ciencias Exactas y Naturales,

Universidad de Buenos Aires, Argentina. 2 Instituto de Química Biológica de la Facultad de Ciencias Exactas y Naturales (IQUIBICEN), Universidad de Buenos Aires, Argentina. 3 Dept. of Human Genetics, University of Michigan Medical School, Ann Arbor, MI 48198-5618 USA. 4 Servicio de Endocrinología, Hospital de Pediatría “Prof. Dr. J. P. Garrahan”, Buenos Aires, Argentina. 5 Ophthalmic Genetics and Visual Function Branch, National Eye Institute, National Institutes of Health, Bethesda, MD, 20892, USA. 6 Consejo Nacional Científico Tecnológico, Buenos Aires, Argentina (CONICET).

**14:00-15:00 Dr. Eugenia Sacerdote de Lustig Award-mAbxience**

**Room: Coral**

**Chairs/Jury:**

**Dr. Elisa Bal de Kier Joffé.** Institute of Oncology “Ángel H. Roffo”, CONICET, School of Medicine, UBA, CABA, Argentina.

**Dr. Geraldine Gueron.** Institute of Biological Chemistry (IQUIBICEN), CONICET, School of Exact and Natural Sciences (FCEyN), UBA, CABA, Argentina.

**Dr. Ignacio Demarco.** mAbxience, Buenos Aires, Argentina.

IMPORTANCE OF BIOIMAGING IN ASSESSING THE PRECLINICAL SAFETY AND IN VIVO BIODISTRIBUTION OF COVIFAB, AN RBD-SPECIFIC F(AB')<sub>2</sub> FRAGMENT DERIVED FROM EQUINE POLYCLONAL ANTIBODIES. Facundo Salinas a, 1, Belkis E. Marelli a, b, 1, Santiago Sanguineti c, Fernando Goldbaum c,d,e, Luciana Muñoz c, Lucas Etchevers a, Paula Silvestrini a, Ulises S. Notaro a, Natalia R. Salvetti a,b, Vanesa Zylberman c,f,2, Hugo H. Ortega a,b,\*,2 a Centro de Medicina Comparada, Instituto de Ciencias Veterinarias del Litoral (ICiVet-Litoral), Universidad Nacional del Litoral (UNL) / Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Esperanza, Santa Fe, Argentina. b Facultad de Ciencias Veterinarias del Litoral, Universidad Nacional del Litoral (UNL), Esperanza, Santa Fe, Argentina. c INMUNOVA S.A., Av. Patricias Argentinas 435, Ciudad de Buenos Aires C1405BWE, Argentina. d CRIP-Centro de Rediseño e Ingeniería de Proteínas UNSAM, Campus Miguelete, San Martín, Provincia de Buenos Aires, Argentina. e Laboratorio de Inmunología y Microbiología Molecular, Fundación Instituto Leloir, IIBBA-CONICET, Buenos Aires, Argentina. f Consejo Nacional de Investigaciones Científicas y Técnicas, (CONICET), Argentina. 1 F Salinas and BE Marelli should be considered as joint first authors. 2 V Zylberman and Ortega HH should be considered as joint senior authors.

COVID-T: A FUNCTIONAL PLATFORM TO MONITOR SARS-COV-2-SPECIFIC T CELL RESPONSES IN VACCINATED INDIVIDUALS AND COVID-19 RECOVERED PATIENTS Montana N. Manselle Cocco\*1, Florencia Veigas\*1, Yamil D. Mahmoud1, Tomas Dalotto Moreno1, Alejandro J. Cagnoni1, Ada G. Blidner1, Alejandro Benatar1, Pablo Hockl1, Juan C. Stupirski1, Alicia Sirino2, Valeria Wiersba3, Nicolas I. Torres1, Camila A. Bach1, Marco Scheidegger1, Marina Pifano4, Jorge Geffner5, Gabriel A. Rabinovich1 \*These two authors contributed equally to this work. 1 Laboratorio de Glicomedicina, Instituto de Biología y Medicina Experimental (IBYME), Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Buenos Aires, Argentina. 2 Hospital General de

Agudos Doctor Ignacio Pirovano, Buenos Aires, Argentina. 3 Hospital Universitario Austral, Pilar, Provincia de Buenos Aires, Argentina. 4 Ministerio de Salud de Provincia de Buenos Aires, Argentina. 5 Instituto de Investigaciones Biomédicas en Retrovirus y SIDA (INBIRS), Universidad de Buenos Aires, CONICET, Ciudad de Buenos Aires, Argentina.

**15:00-16:00 Prof. Dr. Horacio Repetto Award-Elea Lab**

**Room: Coral**

**Chairs/Jury:**

**Dr. Fernando Polack.** Infant Foundation, CABA, Argentina.

**Dr. Mauricio Caballero.** Infant Foundation, CABA, Argentina.

**Dr. Fernando Ferrero.** Children General Hospital Pedro de Elizalde, CABA, Argentina.

**Dr. María Marta Amaral.** Institute of Physiology and Biophysics Bernardo Houssay (IFIBIO), CONICET, School of Medicine, UBA, CABA, Argentina.

INHERITED PULMONARY SURFACTANT METABOLISM DISORDERS IN ARGENTINA: DIFFERENCES BETWEEN PATIENTS WITH SFTPC AND ABCA3 VARIANTS Camila Mallie<sup>1</sup>, Juan Balinotti<sup>1, 2</sup>, Alberto Maffey<sup>1</sup>, Alejandro Colom<sup>1</sup>, Ralph Epaud<sup>3</sup>, Alix De Becdelievre<sup>4</sup>, Pascale Fanen<sup>4</sup>, Céline Delestrain<sup>3</sup>, Martín Medín<sup>5</sup>, Alejandro Teper<sup>1</sup> 1 Centro Respiratorio, Hospital de Niños Ricardo Gutiérrez, Buenos Aires, Argentina. 2 Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina. 3 Centro Hospitalario Intercomunal de Créteil, Servicio de Pediatría General, Centre de Références des maladies respiratoires rares, Creteil, Île-de-France, Francia. 4 Hospital Henri Mondor, Departamento de Genética, Creteil, Île-de-France, Francia. 5 Servicio de Patología, Hospital de Niños Ricardo Gutiérrez, Buenos Aires, Argentina.

**16:00-18:00 Irene Faryna & Roberto Raveglia Award-ETC Internacional**

**Room: Coral**

**Chairs/Jury:**

**Dr. Edith Kordon.** Institute of Physiology, Molecular Biology and Neurosciences (IFIBYNE), CONICET, School of Exact and Natural Sciences (FCEyN), UBA, CABA, Argentina.

**Dr. María Cristina Carrillo.** Institute of Experimental Physiology, Scientific and Technological Center CONICET-Rosario, Rosario, Santa Fe, Argentina.

**Dr. Patricia Pennisi.** Endocrinology Research Center Dr. César Bergada (CEDIE), CONICET-FEI, Division of Endocrinology, Children Hospital Ricardo Gutiérrez, CABA, Argentina

PIN1 AS A MOLECULAR TARGET FOR GLIOBLASTOMA TREATMENT: TARGET VALIDATION, INHIBITORS RATIONAL DESIGN AND BIOLOGICAL ACTIVITY DETERMINATION Julián Maggio<sup>1;2</sup>, Georgina Alexandra Cardama<sup>1;2</sup>, Lara Balcone<sup>1</sup>, Román Nicolás Vilarullo<sup>1;3</sup>, Romina Gabriela Armando<sup>1</sup>, Daniel Eduardo Gomez<sup>1;2</sup>, Diego Luis Mengual Gomez<sup>1;2</sup>. 1 Centro de Oncología Molecular y Traslacional, Universidad Nacional de Quilmes, 2 CONICET, 3 CIN.

**TARGETING OF MITOCHONDRIAL PEPTIDE HUMANIN TO IMPROVE CHEMOSENSITIVITY IN GLIOBLASTOMA CELLS** Jorge Armando Peña Agudelo<sup>1</sup> , Matías Pidre<sup>4</sup> , Antonela S. Asad<sup>1</sup> , Matías García Fallit<sup>1,2</sup> , Melanie Pérez Küper<sup>1</sup> , Alejandro J. Nicola Candia<sup>1</sup> , Leilane Glienke<sup>1</sup> , Sofía Sagripanti<sup>1</sup> , Abril Marchesini<sup>4</sup> , Leslie C. Amorós<sup>4</sup> , Mariana Belén Vera<sup>5</sup> , Nazareno González<sup>1</sup> , Guillermo Videla Richardson<sup>5</sup> , Adriana Seilicovich<sup>1,3</sup> , Marianela Candolfi<sup>1</sup> <sup>1</sup>Instituto de Investigaciones Biomédicas (INBIOMED, CONICET-UBA), Facultad de Medicina, Universidad de Buenos Aires, Argentina. <sup>2</sup> Departamento de Química Biológica, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. <sup>3</sup> Departamento de Biología Celular e Histología, Facultad de Medicina, Universidad de Buenos Aires, Argentina. <sup>4</sup> Instituto de Biotecnología y Biología Molecular, Universidad Nacional de la Plata, Argentina. <sup>5</sup> Fundación para la lucha contra las enfermedades Neurológicas de la Infancia (FLENI), Buenos Aires, Argentina.

**4-METHYLBELLIFERONE AS A CHEMOSENSITIZER IN A GLIOBLASTOMA MODEL** Daniela Poodts<sup>1</sup>, Martín Ledesma<sup>2</sup>, Magalí Ferreira<sup>3</sup> , Carlos Vay<sup>4</sup> , Silvia Hajos<sup>1</sup> , Matías Pibuel<sup>1</sup> , Silvina Lompardía<sup>1</sup>. <sup>1</sup> Instituto de Estudios de la Inmunidad Humoral (IDEHU, UBA-CONICET), Cátedra de Inmunología, Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires. <sup>2</sup> Unidad de Conocimiento Traslacional, Hospital de Alta Complejidad del Bicentenario de Esteban Echeverría <sup>3</sup> Centro de Oncología Molecular y Traslacional, Universidad Nacional de Quilmes. <sup>4</sup> Departamento de Bioquímica Clínica, Facultad de Farmacia y Bioquímica, Hospital de Clínicas José de San Martín, Universidad de Buenos Aires.

**TISSUE PROTEOMICS AND CUSTOM-MADE TRANSCRIPTOMIC ANALYSIS TOOL TO IDENTIFY PROGNOSTIC BIOMARKERS IN PROSTATE CANCER** Juan Bizzotto<sup>1,2</sup>, Agustina Sabater<sup>1,2,3</sup>, Pablo Sanchis<sup>1,2</sup>, Sofia Lage-Vickers<sup>1,2</sup>, Rosario Lavignolle<sup>1,2</sup>, Pía Valacco<sup>1,2</sup>, Elba Vazquez<sup>1,2</sup>, Javier Cotignola<sup>1,2</sup>, Geraldine Gueron<sup>1,2</sup> <sup>1</sup> Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Química Biológica, Buenos Aires, Argentina. <sup>2</sup> CONICET - Universidad de Buenos Aires, Instituto de Química Biológica de la Facultad de Ciencias Exactas y Naturales (IQUIBICEN), Buenos Aires, Argentina. <sup>3</sup> Universidad Argentina de la Empresa (UADE), Instituto de Tecnología (INTEC), Buenos Aires C1073AAO, Argentina.

### Awards presentations (SAI)

**16:00-17:30 Clinical Immunology Award**

**Room: Hotel 15 de mayo**

#### Chairs/Jury:

**Dr. Eliane Piaggio:** Head of Translational Immunotherapy Team, INSERM U932, Institut Curie; Egle-Therapeutics, Paris, France.

**Dr. Oscar Bottasso.** Institute of Clinic and Experimental Immunology of Rosario (IDICER-CONICET), Center of research and production of biological reagents School of Medicine, National University of Rosario, UNR (CIPREB-FCM-UNR), Rosario, Argentina.

**Dr. Marta Toscano.** Laboratory of Molecular Biology and genetics, Arturo Oñativia Hospital, Salta, Argentina.

COVID-19 VACCINATION RESPONSES WITH DIFFERENT VACCINE PLATFORMS IN PATIENTS WITH INBORN ERRORS OF IMMUNITY Lorenzo Erra<sup>1</sup> , Ignacio L. Uriarte<sup>2</sup> , Ana Colado<sup>3</sup> , María Virginia Paolini<sup>4</sup> , Gisela Seminario<sup>5</sup> , Julieta Fernández<sup>1</sup> , Lorena Tau<sup>6</sup> , Juliana Bernatowicz<sup>3</sup> , Ileana Moreira, MD,<sup>5</sup> Sebastián Vishnopolka<sup>1</sup> , Martín Rumbo<sup>6</sup> , Chiara Cassarino<sup>3</sup> , Gustavo Vijoditz<sup>7</sup> , Ana Laura López<sup>4</sup> , Renata Curciarello<sup>6</sup> , Diego Rodríguez<sup>2</sup> , Gastón Rizzo<sup>6</sup> , Malena Ferreyra<sup>6</sup> , Leila Romina Ferreyra Mufarregue<sup>7</sup> , María Noel Badano<sup>3</sup> , María Inés Pérez Millán<sup>1</sup> , María Florencia Quiroga<sup>8</sup> , Patricia Baré<sup>3</sup> , Itatí Ibañez<sup>9</sup> , Roberto Pozner<sup>3</sup> , Mercedes Borge<sup>3</sup> , Guillermo Docena<sup>6</sup> , Liliana Bezrodnik<sup>5</sup> , María Belén Almejun<sup>1</sup>

1 Departamento de Fisiología, Biología Molecular y Celular, Instituto de Biociencias, Biotecnología y Biología Traslacional (IB3) e IQUBICEN, FCEN, UBA, CONICET, CABA, Argentina, 2 Escuela Superior de Medicina, Universidad Nacional Mar del Plata - Hospital Interzonal Especializado Materno Infantil Don Vitorio Tetamanti, Mar del Plata, Buenos Aires, Argentina, 3 Instituto de Medicina Experimental (IMEX)-CONICET-Academia Nacional de Medicina, CABA, Argentina, 4 Hospital General de Agudos C. G. Durand, CABA, Argentina, 5 Centro de Inmunología Clínica. CABA, Argentina, 6 Instituto de Estudios Inmunológicos y Fisiopatológicos (IIFP), UNLP, CONICET, asociado a CIC PBA, Facultad de Ciencias Exactas, Departamento de Ciencias Biológicas, La Plata, Argentina y Laboratorio de Salud Pública de la Facultad de Ciencias Exactas, UNLP, La Plata, Argentina, 7 Hospital Nacional Profesor Alejandro Posadas, Buenos Aires, Argentina, 8 Instituto de Investigaciones Biomédicas en Retrovirus y SIDA (INBIRS), CONICET, CABA, Argentina, 9 Instituto de Química Física de los Materiales, Medio Ambiente y Energía (INQUIMAE), CONICET, FCEN, UBA, CABA, Argentina.

EVOLUTION OF CRITICAL IMMUNE PARAMETERS IN HOSPITALIZED COVID-19 PATIENTS Yanina Luciana Mazzocco<sup>1,2</sup>, Gastón Bergero<sup>1,2</sup>, Sebastián Del Rosso<sup>1,2</sup>, Natalia Eberhardt<sup>2</sup>, Andrés Castellaro<sup>1,2</sup>, Denise Ochoa<sup>1,2</sup>, Alex Saka<sup>1,2</sup>, Claudia Sola<sup>1,2</sup>, Sofía Villada<sup>3</sup> , José Luis Bocco<sup>1,2</sup>, Maria Pilar Aoki<sup>1,2</sup>.

1 Departamento de Bioquímica Clínica, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, Córdoba, Argentina, 2 Centro de Investigaciones en Bioquímica Clínica e Inmunología (CIBICI)-CONICET, Córdoba, Argentina, 3 Hospital Privado, Córdoba, Argentina.

RELAPSES IN MULTIPLE SCLEROSIS: ROBUST T CELL RESPONSE BUT NOT SARS-COV-2-PEPTIDE REACTIVE T CELL RESPONSE REDUCES THE PRODUCTION OF A NEUROPROTECTIVE FACTOR Paula Ayelen Lamas<sup>1</sup> , Carla Lucero Remolins<sup>1</sup> , Guido Vazquez<sup>2</sup> , Franco Appiani<sup>2</sup> , Kevin Israel Matamoros Alcivar<sup>1</sup> , José Ignacio Valenzuela<sup>1</sup> , Alejandra Martinez<sup>3</sup> , María Curbelo<sup>3</sup> , Daniel Pirola<sup>4</sup> , Diego Guerrieri<sup>1</sup> , Natalia Basile<sup>5</sup> , Adriana Carra<sup>3</sup> , Eduardo Chuluyan<sup>1</sup>

1 Centro de Estudios Farmacológico y Botánicos (CEFyBO), Facultad de Ciencias Médicas de la UBA/ CONICET, CABA, Argentina; 2 Instituto de Neurociencias- Fundación Favaloro/ INECO, CABA, Argentina; 3 Área de Enfermedades Desmielinizantes del Hospital Británico, CABA, Argentina; 4 Hospital Universitario Fundación Favaloro, CABA, Argentina; 5 Dirección Médica y Científica, Gador S.A., CABA, Argentina.

HCV CLEARANCE BY DIRECT ANTIVIRAL AGENTS IS ASSOCIATED WITH DECREASED EXPRESSION OF INTERFERON STIMULATED GENES BUT NOT WITH THE SIZE OF THE INDUCIBLE HIV RESERVOIR  
Alejandra Urioste<sup>1</sup> , Alejandro Czernikier<sup>1</sup> , Ana Paletta<sup>1</sup> , Federico Remes Lenicov<sup>1</sup> , Ariel Osegueda<sup>1</sup> , María Laura Polo<sup>1</sup> , Alicia Sisto<sup>2</sup> , Florencia Quiroga<sup>1</sup> , Gabriela Turk<sup>1</sup> , Yanina Ghiglione<sup>1</sup> , Natalia Laufer<sup>1</sup> . <sup>1</sup> Instituto de Investigaciones Biomédicas en Retrovirus y SIDA (INBIRS), UBA-CONICET. Ciudad Autónoma de Buenos Aires. Argentina. <sup>2</sup> Hospital General de Agudos Dr. Juan A. Fernández. Ciudad Autónoma de Buenos Aires. Argentina.

**17:30-19:00 Leonardo Satz Award**

**Room: Hotel**

**15 de mayo**

**Chairs/Jury:**

**Dr. Norberto Zwirner.** Laboratory of physiopathology of innate immunity. Institute of Biology and Experimental Medicine (IByME). Buenos Aires, Argentina.

**Dr. Diego Croci.** IHEM, Institute of histology and embryology of Mendoza Dr. Mario H. Burgos. CCT-CONICET- Mendoza, Argentina.

**Dr. Susana Salva.** CERELA: Reference Center of Lactobacillus, CONICET, Tucumán, Argentina.

THE GLYCOLYTIC STATUS OF MONOCYTES DURING TUBERCULOSIS LIMITS THE GLYCOLYSIS-POWERED MIGRATORY CAPACITY OF DENDRITIC CELLS IN RESPONSE TO MYCOBACTERIUM TUBERCULOSIS  
Mariano Maio<sup>1</sup> , Marine Joly<sup>1,2</sup> , Zoi Vahlas<sup>2</sup> , Joaquina Barros<sup>1</sup> , José Luis Marín Franco<sup>1</sup> , Melanie Genoula<sup>1</sup> , Federico Fuentes<sup>1</sup> , Mónica Vermeulen<sup>1</sup> , Rafael J Argüello<sup>4</sup> , Sandra Inwentarz<sup>3</sup> , Rosa Musella<sup>3</sup> , Lorena Ciallella<sup>3</sup> , Pablo González Montaner<sup>3</sup> , Domingo Palmero<sup>3</sup> , María del Carmen Sasiain<sup>1</sup> , Christel Verollet<sup>2</sup> , and Luciana Balboa<sup>1,\*</sup> <sup>1</sup> Instituto de Medicina Experimental (IMEX)-CONICET, Academia Nacional de Medicina, Buenos Aires, Argentina. <sup>2</sup> Institut de Pharmacologie et de Biologie Structurale, Université de Toulouse, CNRS, UPS, Toulouse, France. <sup>3</sup> Instituto Prof. Dr. Raúl Vaccarezza, Hospital de Infecciosas Dr. F.J. Muñiz, Buenos Aires, Argentina. <sup>4</sup> Aix Marseille Univ, CNRS, INSERM, CIML, Centre d'Immunologie de Marseille-Luminy, Marseille, France.

FLAGELLIN H7 AS A POTENTIAL VACCINE COMPONENT TO PREVENT HEMOLYTIC UREMIC SYNDROME  
Alan Mauro Bernal<sup>1</sup> , Fernando Nicolás Sosa<sup>1</sup> , María Florencia Todero<sup>1</sup> , Mónica Vermeulen<sup>1</sup> , Daniela Romina Montagna<sup>1</sup> , Romina Jimena Fernández-Brando<sup>1</sup> , María Victoria Ramos<sup>1</sup> , Agustina Errea<sup>2</sup> , Martín Rumbo<sup>2</sup> , Marina Sandra Palermo<sup>1</sup> <sup>1</sup> Instituto de Medicina Experimental – CONICET – Academia Nacional de Medicina, Ciudad Autónoma de Buenos Aires, Argentina. <sup>2</sup> Instituto de Estudios Inmunológicos y Fisiopatológicos – CONICET – CCT LA PLATA, La Plata, Buenos Aires, Argentina.

DISCOVERY OF A NOVEL ADJUVANT FOR ORAL VACCINE FORMULATIONS  
Celeste Pueblas Castro <sup>1</sup> , Lorena Coria <sup>1</sup> , Laura Bruno <sup>1</sup> , Lucas Saposnik <sup>1</sup> , Philippe Hermand <sup>2</sup> , Stéphane Temmerman <sup>2</sup> ,



Karina Pasquevich 1 , Juliana Cassataro 1 . 1 Instituto de Investigaciones Biotecnológicas (UNSAM-CONICET), Universidad Nacional de San Martín, Buenos Aires, Argentina 2 GSK, Rixensart, Belgium.

THE TUMOR MICROENVIRONMENT IN CHRONIC LYMPHOCYTIC LEUKEMIA (CLL): VENETOCLAX RESISTANCE INDUCED BY T CELLS. Valeria Judith Sarapura Martinez<sup>1</sup> , Brenda Buonincontro<sup>1</sup> , Chiara Cassarino<sup>1</sup> , Juliana Bernatowicz<sup>1</sup> , Ana Colado<sup>1</sup> , Gregorio Cordini<sup>1,2</sup> , Rosario Custidiano<sup>3</sup> , Carolina Mahuad<sup>4</sup> , Miguel Pavlovsky<sup>5</sup> , Paula Soledad Pérez<sup>6</sup> , Matias Ostrowski<sup>6</sup> , Mónica Vermeulen<sup>1,7</sup> , Mercedes Borge<sup>1,7</sup> , Mirta Giordano<sup>1,7</sup> and Romina Gamberale<sup>1,7</sup> 1Instituto de Medicina Experimental (IMEX)-CONICET-Academia Nacional de Medicina (ANM), Buenos Aires, Argentina. 2 Hospital de Clínicas, José de San Martín, UBA, Buenos Aires, Argentina. 3 Instituto Alexander Fleming, Buenos Aires, Argentina. 4 Hospital Alemán, Buenos Aires, Argentina. 5FUNDALÉU, Buenos Aires Argentina. 6 Instituto de Investigaciones Biomédicas en Retrovirus y SIDA (INBIRS), UBA-CONICET, Buenos Aires, Argentina. 7 Departamento de Microbiología, Parasitología e Inmunología, Facultad de Medicina, UBA, Buenos Aires, Argentina.

**16:00-18:00 Symposium (SAFIS) Organized by the SAFIS Young Researchers committee (CIJ). Use of gene transfer as a therapeutic strategy** **Room: Aguamarina**

**Chairs:**

**Dr. Julieta Marrone.** Institute of Experimental Physiology, Rosario, Argentina.

**Dr. Alberto Crottogini.** Institute of Translational Medicine, Transplantation and Bioengineering, (IMETTYB), CABA, Argentina.

**Speakers:**

**Dr. Esteban Juan Fiore.** Gene Therapy Laboratory, Translational Medicine Research Institute, Universidad Austral- CONICET, Buenos Aires, Argentina.

"Extracellular Vesicles Derived from Mesenchyme Stem Cells: "Door-to-door delivery" of therapeutic genes for liver cirrhosis".

**Dr. Martina Canatelli Mallat.** Biochemical Research Institute of La Plata "Prof. Dr. Rodolfo R. Brenner", La Plata, Argentina.

"Implementation of Yamanaka genes in the senile rat hippocampus to restore cognitive function."

**Dr. Romina Di Mattia.** Cardiovascular Research Center, "Dr. Horacio E. Cingolani", La Plata, Argentina.

"Use of adeno-associated viral vectors for silencing and overexpression of the cardiac electrogenic bicarbonate sodium cotransporter."

**Dr. Matías García Fallit.** Institute of Biomedical Research, National University of Buenos Aires-CONICET, Buenos Aires, Argentina.

"Baculoviral vectors as a gene therapy tool for the treatment of brain disorders."

**18:00-19:00 SAFIS Young Researchers Committee Meeting (SAFIS)** **Room: Aguamarina**

**21:00 Gala Dinner/Awards Ceremony**