**PRELIMINARY PROGRAM**

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| **Day** | **PLENARY CONFERENCES** | **Title** |
| Monday | Robert D. Schreiber (Washington University School of Medicine, St. Louis, Missouri, USA). | Cancer Neoantigens as Targets for Natural and Therapeutic Anti-Tumor Responses |
| Tuesday | Erwin Wagner (Spanish National Cancer Research Centre, Madrid, Spain) | EMBO Lecture: Inflammation, metabolism and cancer linked to AP-1(Fos/Jun) expression |
| Wednesday | Gabriel Rabinovich (Instituto de Biología y Medicina Experimental (IBYME-CONICET), Departamento de Química Biológica, Facultad de Ciencias Exactas y Naturales, UBA), Buenos Aires, Argentina) | Lanari Conference: Closing rifts to open new horizons: a sweet tale of tolerance from basic discovery to drug design |
| Thursday | Jeffrey L Benovic (Thomas Jefferson University, Jefferson Health, USA) | The biochemistry of G protein-coupled receptor signaling |
| Friday | Angel I. Nebreda (ICREA and Institute for Research in Biomedicine (IRB Barcelona),Barcelona Institute of Science and Technology, Barcelona, Spain). | Alberto Sols Lecture: Tumorigenesis regulation by stress kinase signaling. |
| Friday | Thomas A. Steitz, NOBEL PRIZE IN CHEMISTRY 2009 (Department of Molecular Biophysics & Biochemistry and Department of Chemistry at Yale University and the Howard Hughes Medical Institute, New Haven, Connecticut, USA) | Gregorio Weber Conference: The structure and function of the ribosome complexes with various protein factors and antibiotics |

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| **Day** | **CONFERENCES** | **Title** |
| Monday | Marcelo Marti (Departamento de Química Biológica, Facultad de Ciencias Exactas y Naturales, UBA, Buenos Aires, Argentina) | Bioinformatics applications: where Biophysics and Genomics meet |
| Antonio Lanzavecchia (Institute for Research in Biomedicine, Bellinzona, Switzerland) | Lessons from the analysis of the immune response to Plasmodium falciparum |
| Damián Refojo (Instituto de Investigación en Biomedicina de Buenos Aires (IBIOBA), CONICET, Instituto Partner de la Sociedad Max Planck, Buenos Aires, Argentina) | Neddylation as a new essential post-translational modification: Its role on neuronal development and metabolism as a proof of principle |
| Julio A. Urbina (Instituto Venezolano de Investigación Científica, Caracas, Venezuela) | Recent clinical studies for the treatment of chronic Chagas disease: conclusions, challenges and alternatives |
| Tuesday | Lisa Coussens (Oregon Health and Science University (OHSU), Portland, Oregon, USA) | Manipulating the Tumor Microenvironment for Anti-Cancer Therapy. |
| Jon Hennebold (Oregon Health and Science University, USA) | Defining the cellular and molecular processes critical for primate ovarian function and fertility |
| Alberto Nagelberg (División de Endocrinología, Hospital General de Agudos Carlos G Durand, Buenos Aires, Argentina) | Health care  for sexual diversity at the public hospital: 12 years of experience |
| Roberto Docampo (University of Georgia, Athens, Georgia, USA) | “Novel approaches for genome editing in trypanosomes” |
| Wednesday | Carlos Davio (Instituto de Investigaciones Farmacológicas (ININFA), UBA, CONICET, Buenos Aires, Argentina) | Taquini Conference: Mechanism-Based Target Identification and Drug Discovery in Cancer Research: Relevance of cyclic-AMP and coupled signaling pathway. |
| E. John Wherry (Department of Microbiology and Institute for Immunology. Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania, USA) | Understanding the molecular program of T cell exhaustion and its role in disease |
| Enrique Mesri (Microbiology & Immunology, Miller School of Medicine, Miami University, USA) | Héctor Torres - Horacio Cingolani Conference: Molecular and cellular mechanisms of human viral oncogenesis |
| Thursday | Alejandro Vila (Instituto de Biología Molecular y Celular de Rosario, (IBR), Universidad Nacional de Rosario, Rosario, Santa Fe, Argentina) | The last frontier of antibiotic resistance: at the heart of protein evolution |
| Alexander Kauffman (University of California, San Diego, California, USA) | Don't Stress! New insights into stress inhibition of mammalian reproduction |
| Rafael Maldonado (Facultad de Ciencias de la Salud y de la Vida, Universidad Pompeu Fabra de Barcelona, España) | Addictive-like behavior induced by palatable food: neurobiological bases |
| Francisco Baralle (International Centre for Genetic Engineering and Biotechnology (ICGEB),Trieste, Italy) | Aging, TDP 43 aggregation and neurodegeneration |
| Friday | Patricia Cuasnicu (Instituto de Biología y Medicina Experimental (IBYME), Buenos Aires, Argentina) | From fertilization to the immune system |
| Federica Sallusto (Center of Medical Immunology, Institute for Research in Biomedicine, Università della Svizzera italiana, Bellinzona, Switzerland) | Heterogeneity of the human T cell response against microbes |
| Andrea Gamarnik (Instituto Fundación Leloir, Buenos Aires, Argentina) | Molecular Mechanisms of Dengue and Zika virus replication |

**SYMPOSIA**

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| MONDAY | |
| CELL BIOLOGY: INTRACELLULAR TRAFFICKING | Title |
| Patricia Burgos.  (Department of Physiology, School of Medicine, Universidad Austral de Chile, Valdivia, Chile; Centro de Biología Celular y Biomedicina, Universidad San Sebastián, Santiago, Chile; Center for Aging and Regeneration (CARE), Facultad de Ciencias Biológicas, Pontificia Universidad Católica de Chile, Santiago, Chile.) | Autophagy cooperates in the degradation of key molecular players in alzheimer’s disease |
| Pablo S. Aguilar.(Laboratorio de Biología Celular de Membranas, Instituto de Investigaciones Biotecnologicas "Dr. Rodolfo A. Ugalde" (IIB), Universidad Nacional de San Martin (UNSAM), Buenos Aires, CP(1650), Argentina). | Fusexins, a family of sexual, somatic and viral cell fusion proteins. |
| Pablo J.  Schwarzbaum.(Instituto de Química y Fisico-Química Biológicas "Prof. Alejandro C. Paladini", UBA, CONICET, Facultad de Farmacia y Bioquímica. Junín 956. Buenos Aires, Argentina.Universidad de Buenos Aires. Facultad de Farmacia y Bioquímica. Buenos Aires, Argentina.) | Regulation of extracellular atp in health and disease |
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| Enrique Rodriguez Boulan (Margaret Dyson Vision Research Institute, Weill Cornell Medicine, New York, USA) | Molecular cross-talk in outer retina; angiocrine factors secreted by choroidal endothelial cells control outer retina-blood barrier and choroid inflammatory response |
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| YOUNG INVESTIGATORS IN REPRODUCTION | Title |
| Sheila Ons (Universidad Nacional de La Plata (UNLP), La Plata, Buenos Aires, Argentina) | Hormonal Regulation of insect reproduction |
| Alejandro Mechaly (Instituto Nacional de Investigación y Desarrollo Pesquero (INIDEP), Mar del Plata, Buenos Aires, Argentina) | Kisspeptin: is it the gene of the first kiss in fish? |
| Eugenia Matzkin (Instituto de Biología y Medicina Experimental (IBYME), CONICET, Buenos Aires, Argentina) | Cyclooxigenase and prostaglandins in testicular physiopathology |
| Micaela Sordelli (Centro de Estudios Farmacológicos y Botánicos (CEFYBO), Buenos Aires, Argentina) | Participation of lipid mediators in human trophoblast migration during the first trimester. Role of cAMP. |
| NEW THERAPEUTIC APPROACHES FOR THE CONTROL OF CHAGAS DISEASE | Title |
| Sergio Sosa Estani (Drugs for Neglected Diseases initiative, Buenos Aires, Argentina) | Chagas disease: Clinical evidence for etiological treatment and biomarkers for assessing response |
| Alicia Fuchs (Centro de Altos Estudios en Ciencias Humanas y de la Salud, Universidad Abierta Interamericana (UAI), Buenos Aires, Argentina) | Bisphosphonates a proposal for antiparasitic treatment |
| Alan Talevi (Facultad de Ciencias Exactas de la Universidad Nacional de La Plata (UNLP), La Plata, Buenos Aires, Argentina) | Modern approaches for the discovery of drugs against Chagas disease |
| Celina Lamas (Tecnología Farmacéutica, CONICET, Instituto de Química de Rosario, Rosario, Santa Fe, Argentina) | New therapeutic strategies for the treatment of Chagas disease. |
| INFLAMMATION AND AUTOIMMUNITY | Title |
| David Artis (Weill Cornell Medical College, Cornell University, New York, USA) | Immune regulation at barrier surfaces |
| Felipe Andrade (Johns Hopkins University School of Medicine, Baltimore, USA) | Neutrophil damage and hypercitrullination in rheumatoid arthritis |
| Jorge Henao-Mejía (Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania, USA) | LncRNAs and inflammation |
| Manuel Fresno (Centro de Biología Molecular Severo Ochoa, Universidad Autónoma de Madrid (UAM), España) | Understanding the complex immunopathogenesis of Trypanosoma cruzi infection: The road to clinical management of Chagas disease |
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| BIOCHEMISTRY AND MOLECULAR CELL BIOLOGY OF PLANTS | Title |
| Julia Irene Qüesta, Department of Cell and Developmental Biology, John Innes Centre, Norwich Research Park, Norwich, United Kingdom | Building and maintaining epigenetic memory: insights from FLC |
| Federico Ariel (Instituto de Agrobiotecnología del Litoral, Universidad del Litoral, Santa Fe, Argentina) | ASCO long noncoding RNA modulates alternative splicing patterns in Arabidopsis |
| Sebastián Azurmendi (Instituto Nacional de Tecnología Agropecuaria (INTA), Buenos Aires, Argentina) | TMV systemic movement requires negative modulation of the immune system. |
| Jorge Muschietti (Instituto de Investigaciones en Ingeniería Genética y Biología Molecular (INGEBI), Buenos Aires, Argentina) | Molecular mechanisms of plant fertilization |
| B CELLS AND FOLLICULAR T HELPER CELLS | Title |
| Joseph E. Craft. Yale University School of Medicine, New Haven, Connecticut, USA. | B cells and Follicular T helper cells |
| Deepak A. Rao (Harvard Medical School, Boston, USA) | An expanded family of B cell-helper T cells in rheumatoid arthritis |
| Cornelis Murre (Division of Biological Sciences. University of California, San Diego, California, USA) | Molecular and physical mechanisms that orchestrate B cell development. |
| Adriana Gruppi (Centro de Investigaciones en Bioquímica Clínica e Inmunología, Facultad de Ciencias Químicas, UNC, Córdoba, Argentina. | Galectin-3 deficiency drives lupus-like disease by promoting spontaneous germinal centers formation via IFN-γ |
| YOUNG INVESTIGATOR'S AWARD (BIGAND FOUNDATION) | |
| YOUNG INVESTIGATORS SAFE´AWARD | |

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| **TUESDAY** | |
| MICROBIOLOGY | Title |
| Diana Hansen (The Walter and Eliza Hall Institute of Medical Research, Australia) | Immunological processes underlying the slow acquisition of immunity to blood-stage malaria |
| Kosntantin Severinov (Yale University School of Medicine, New Haven, Connecticut, USA). | Adaptive immunity of bacteria |
| Nancy Freitag (University of Illinois, College of Medicine at Chicago, USA) | From soil to cytosol: the pathogenic transition of the environmental bacterium Listeria monocytogenes |
| Mónica Sparo (Universidad Nacional de La Plata (UNLP), Buenos Aires, Argentina) | Impact of antimicrobial activity of bacterial peptides on multi-drug resistant pathogens: Effect in human and veterinary medicine. |
| PRECISION MEDICINE IN ONCOHEMATOLOGY | Title |
| Laura Pasqualucci (Pathology and Cell Biology, Columbia University, New York, USA) | The Genetic Basis of Diffuse Large B cell Lymphoma |
| Leandro Cerchietti (Weill Cornell Medicine (WCM), Cornell University, New York, USA.) | Targeting nuclear trafficking: the way out |
| Katherine Borden (Department of Pathology and Cell Biology, Faculty of Medicine, Université de Montréal, Canada) | Decoupling the proteome from the transcriptome: the story of the eukaryotic translation initiation factor EIF4E |
| Monica Guzman (Weill Cornell Medicine (WCM), Cornell University, New York, USA.) | Therapeutic targeting of leukemia stem cells |
| MYSTERIES OF REPRODUCTION I | Title |
| Héctor A. Guidobaldi (Universidad Nacional de Córdoba (UNC), CONICET, Córdoba, Argentina) | Now you see me, now you don't! Selection strategies employed by the ovocite to be correctly fertilized. |
| Miguel Fornes (Instituto de Histología y Embriología “Dr. Mario H. Burgos” (IHEM), Universidad Nacional de Cuyo, Mendoza, Argentina) | Spermatic alterations as markers of hypercholesterolemia and their improvement with olive oil consumption |
| Lucrecia Iruzubieta (Facultad de Bioquímica, Química y Farmacia, Universidad Nacional de Tucumán, Argentina) | Morphological and functional study of Leptodactylus chaquensis testis |
| Cecilia Paparella (Departamento de Bioquímica Clínica, Facultad de Ciencias Bioquímicas y Farmacéuticas, UNR, Rosario, Santa Fe, Argentina) | Environmental factors and their effects on male reproduction |
| BIOPHYSICAL APPROACHES | Title |
| Andrés Binolfi (Laboratorio Max-Planck de Biología Estructural, Universidad Nacional de Rosario (UNR), Rosario, Santa Fe, Argentina. | In-cell NMR as a tool for in situ structural biology |
| Laura Estrada (Departamento de Física e Instituto de Física de Buenos Aires, UBA, CONICET, Buenos Aires, Argentina) | Dengue virus capsid dynamics: bridging biophysics and molecular virology by advanced fluorescence techniques |
| Laura Fanani (Centro de Investigaciones en Química Biológica de Córdoba (CIQUIBIC), CONICET, Universidad Nacional de Córdoba (UNC), Córdoba, Argentina. | What can we learn about drug membrane interaction from model lipid membranes |
| Valeria Levi (Departamento de Química Biológica, Facultad de Ciencias Exactas y Naturales, UBA, CONICET, Buenos Aires, Argentina) | Mapping the dynamics of transcription factors in living cells and whole organisms |
| IMMUNOPHARMACOLOGY AND IMMUNOTHERAPY | Title |
| Rob Thurmond (Clinical Research Group, Johnson & Johnson, La Jolla, San Diego, California, USA) | The Histamine H4 Receptor: Translation of Preclinical Models to Clinical Efficacy |
| Madeleine Ennis (Centre for Infection and Immunity, Queen’s University Belfast, Belfast, United Kingdom) | Cystic Fibrosis from Laboratory to Clinic |
| Katerina Tiligada (Dep Pharmacology, Medical School, University of Athens, Greece) | Immunopharmacological challenges and opportunities in modern targeted therapeutics |
| Carlos Silva (Servicio de Oncología Clínica, Hospital Británico, CABA, Argentina) | Immune-oncology: yesterday, today and tomorrow |
| MALE SEXUALITY: AN INTEGRATED APPROACH | Tilte |
| Osvaldo Mazza (Servicio de Urologia, Hospital de Clinicas Jose de San Martin, Buenos Aires, Argentina) | Sexual evolution in the human species |
| Ernesto Grasso (Sección Andrologia / Sexologia, Sanatorio Trinidad Mitre, Buenos Aires, Argentina)) | Premature ejaculation: diagnosis and treatment |
| Miguel Rivero (ENERI, Buenos Aires, Argentina) | From endothelial dysfunction to erectile dysfunction. Where do we stand in 2017? Therapeutic possibilities. |
| Marta Rajman (Sociedad Argentina de Sexualidad Humana, Buenos Aires ,Argentina) | Sexuality in menopause |
| YOUNG INVESTIGATORS IN BIOPHYSICS | Title |
| Ernesto Ambroggio - CIQUIBIC-CONICET, Dpto. Química Biológica, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, Argentina | Effect of lipid-packing and membrane curvature on protein membrane interactions |
| Santiago Di Lella - Instituto de Química Biológica - Ciencias Exactas y Naturales (IQUIBICEN), Conicet - Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires | Hampering the inactivation of the immunomodulatory protein Galectin-1 in inflammatory microenvironments |
| Maria Natalia Lisa - Laboratorio de Microbiología Molecular y Estructural, Instituto Pasteur de Montevideo, Montevideo, Uruguay | X-ray protein crystallography as a tool for the study of bacterial virulence factors |
| Lorena Sigaut - Departamento de Física, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires and IFIBA CONICET, Buenos Aires, Argentina | Sustained mechanical stress alters the dynamics and molecular response of focal adhesions in mammary epithelial cells |
| CELL SIGNALING: UBIQUITIN AND AUTOPHAGY IN HEALTH AND DISEASE | Title |
| Simona Polo (Fondazione Istituto di Oncologia Molecolare (IFOM), Milan, Italy) | Structural and functional plasticity of myosin VI |
| Daniele Guardavaccaro (Utrecht University, Utrecht, Netherlands) | Cullin-RING Ubiquitin Ligases: from Signaling to Disease |
| María Isabel Colombo (Instituto de Histología y Embriología (IHEM) “Dr. Mario Burgos”, CONICET, Universidad Nacional de Cuyo, Mendoza, Argentina) | Autophagy and pathogen-containing compartments: signaling to control life and death |
| María Inés Vaccaro (Facultad de Farmacia y Bioquímica, UBA, Buenos Aires, Argentina) | Autophagy in Pancreatic Diseases |

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| **WEDNESDAY** | |
| ONCOLOGY: TUMOR MICROENVIRONMENT | Title |
| Dean W. Felsher (Professor of Medicine (Oncology and of Pathology), Stanford University, USA) | MYC is a Global Regulator of the Host Immune Response |
| Romina Goldszmid (Inflammatory Cell Dynamics Section, Cancer and Inflammation Program, Center for Cancer Research, NCI,Bethesda, Maryland, USA) | On the role of the microbiota as a key modulator of the tumor microenvironment |
| Marianela Candolfi, Instituto de Investigaciones Biomédicas, INBIOMED (UBA-CONICET), Facultad de Medicina, Universidad de Buenos Aires | Blockade of FoxP3 improves the efficacy of antitumor vaccines in experimental breast cancer |
| Michael Karin (University of California, San Diego, USA) | Control of inflammation - driven liver tumorigenesis by adaptive immunity: a tug of war between immunosurveillance and immunosuppression |
| YOUNG RESEARCHERS IN PHYSIOLOGY, SAFIS 2017 AWARD | |
| ENDOCRINE SOCIETY JOINT SYMPOSIUM: INTEGRATING GENOMIC AND NONGENOMIC ACTION OF NUCLEAR RECEPTOR HORMONES IN PHYSIOLOGY AND PATHOLOGY | Title |
| Sandra Incerpi (Università Degli Studi Roma Tre, Roma, Italia) | Extranuclear effects of thyroid hormones and analogs at the plasma membrane level. |
| Richard Santen (Department of Medicine, Endocrinology and Metabolism, University of Virginia, USA) | Clinical syndromes of glucocorticoid hypersensitivity: glucocorticoid beta mutations and beyond. |
| John Cidlowski (Laboratory of Signal Transduction, National Institutes of Health (NIH), USA) | Cell type Specific Actions of Glucocorticoids in vivo: Lessons from genetically modified animals |
| Cecilia Proietti (Instituto de Biología y Medicina Experimental (IBYME), CONICET, Buenos Aires, Argentina) | Progesterone Receptor as a transcriptional repressor regulates breast cancer growth |
| MYSTERIES OF REPRODUCTION II | Title |
| Laura López Greco (Facultad de Ciencias Exactas y Naturales, UBA, Buenos Aires, Argentina) | Sex under the water: mysteries hidden by crustacean decapods |
| Mónica Martella (Instituto de Diversidad y Ecología Animal (IDEA), CONICET y Centro de Zoología Aplicada, Facultad de Ciencias Exactas Físicas y Naturales, UNC, Córdoba, Argentina) | The mating system of the Greater Rhea: role change and promiscuity |
| Ana Meikle (Universidad de la República del Uruguay, Sociedad Uruguaya de Biociencias, Uruguay) | Pregnancy or luteolysis in ruminants. Emphasis in nutrition. |
| Mariano Buffone (Instituto de Biología y Medicina Experimental (IBYME-CONICET), Buenos Aires, Argentina) | Such a pretty tail…Studying the sperm flagellum using high resolution microscopy |
| INFECTION AND IMMUNITY | Title |
| Jean P. Schatzmann-Peron (Instituto de Ciencias Biomédicas, Universidade de Sao Paulo. Sao Paulo, Brasil) | Zika Virus Congenital Syndrome in Experimental Models. |
| David Masopust (Center for Immunology, University of Minnesota. Minneapolis, Minnesota, USA) | Resident Memory T Cells |
| Elina Zuñiga (Division of Biological Sciences, University of California, San Diego, California, USA) | The art of co-existing: immune adaptations during chronic infections |
| Igor Almeida (University of Texas, El Paso, USA) | Glycan- and peptide-based vaccines protect against heart inflammation and parasite burden in the nonhuman primate model of Chagas disease |
| MYOCARDIUM: FROM SELF-PROTECTION TO REGENERATION | Title |
| Santiago Miriuka (Instituto FLENI, Buenos Aires, Argentina) | From a pluripotent stem cell to a cardiomyocyte: microRNAs and their isoMirs regulation |
| Martín Donato ( Instituto de Fisiopatología Cardiovascular, Facultad de Medicina, UBA, Buenos Aires, Argentina) | Remote ischemic preconditioning: present knowledge, unanswered questions and future perspectives |
| Irene Ennis (Centro de Investigaciones Cardiovasculares Dr. Horacio Cingolani, CONICET, Universidad Nacional de La Plata (UNLP), La Plata, Buenos Aires, Argentina) | Exercise-induced cardioprotection: its protagonists |
| Paola Locatelli ( Instituto de Medicina Traslacional, Trasplante y Bioingeniería (IMETTYB), CONICET, Universidad Favaloro, Buenos Aires, Argentina) | Adult cardiomyocyte cell cycle manipulation as cardio-regenerative strategy |
| BIOLOGY OF LIPIDS IN REGULATING CELL PHYSIOLOGY | Title |
| Tobias Walther (Genetics and Complex Diseases, Cell Biology HHMI Investigator, Harvard Medical School, USA. Thomas Weichhart, Center of Pathobiochemistry and Genetics, Medical University of Vienna. Austria) | The Phase of Fat: Mechanisms and Physiology of Lipid Storage |
| Elena Posse de Chaves (Pharmacology, University of Alberta, Canada) | A scientific journey from the brain to the retina led by isoprenoids and protein prenylation |
| Gabriela Gago (Instituto de Biología Molecular y Celular de Rosario (IBR), Rosario, Santa Fe, Argentina) | Deciphering mycobacterial lipid biosynthesis regulation |
| Mario E.  Guido (Centro de Investigaciones Químicas y Biológicas de Córdoba (CIQUIBIC), CONICET, Córdoba, Argentina. | Metabolic rhythms persist in proliferative glioblastoma cancer cells with an altered circadian transcriptional clock |
| BIOPHYSICAL INSIGHTS INTO PROTEIN STRUCTURE, FUNCTION AND DYNAMICS | Title |
| Silvia Antollini (Instituto de investigaciones Bioquímicas de Bahía Blanca (INIBIBB), Universidad Nacional del Sur (UNS), CONICET, Bahía Blanca, Argentina. | The nicotinic acetylcholine receptor and its surrounding lipids: a long-standing relationship |
| Larisa Cybulski (Instituto de Biología Molecular y Celular, UNR, Rosario, Santa Fe, Argentina. | A Metastable H-bond Zipper transmit information across the cell membrane |
| Diego Ferreiro (Departamento de Química Biológica, Facultad de Ciencias Exactas y Naturales, UBA, Buenos Aires, Argentina. | Structure, function and frustration in proteins: a conflicting origami |
| Gustavo Parisi (Universidad Nacional de Quilmes (UNQ). Buenos Aires, Argentina) | Conformational diversity analysis reveals three functional mechanisms in proteins |
| PLENARY SESSION NOVARTIS – CESAR MILSTEIN AWARD | |

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| **THURSDAY** | |
| METABOLISM AND THE IMMUNE RESPONSE | Title |
| Simon C. Robson (Dana Farber/Harvard Cancer Center, Harvard University, Boston, Massachusetts, USA) | The ectonucleotidase CD39 is a checkpoint inhibitor target in cancer. |
| Pedro M. Mendes de Moraes Vieira (Istituto de Biologia, Universidade Estadual de Campinas. Campinas, Brazil) | Macrophage Immunometabolism in Metabolic and Inflammatory Diseases |
| Thomas Weichhart. Center of Pathobiochemistry and Genetics, Institute of Medical Genetics, Medical University of Vienna, Vienna, Austria. | mTOR signalling in macrophages |
| Martín Rumbo (Instituto de Estudios Inmunológicos y Fisiopatológicos (IIFP), La Plata, Argentina) | Regulation of immune function by lactate and short chain fatty acids |
| HEPATOBILIARY PHYSIOLOGY. BREAKTHROUGHS AND NEW THERAPEUTICAL TARGETS | Title |
| Claudio Tiribelli (Director of the Liver Clinical and Research Center, Teaching Hospital, University of Trieste, and Italian Liver Foundation, Trieste, Italy) | Bilirubinomics 2017 |
| Raúl Marinelli (Instituto de Fisiología Experimental (IFISE), CONICET, Universidad Nacional de Rosario (UNR), Rosario, Santa Fe, Argentina) | Therapeutic aquaporin gene transfer in hepatocellular cholestasis. |
| Gabriel Gondolesi (Universidad Favaloro, CONICET, Buenos Aires, Argentina) | Liver vascular physiology and its clinical application. |
| Guillermo Mazzolini (Universidad Austral, Prov. de Buenos Aires, Argentina) | The SPARC protein in liver disease. A novel therapeutic target? |
| METABOLIC SYNDROME: NOVEL KNOWLEDGE AND NEW CHALLENGES | Title |
| Marcela Vázquez Prieto (Instituto de Medicina y Biología Experimental de Cuyo (IMBECU), CONICET, Mendoza, Argentina) | Adipose tissue inflammation and metabolic syndrome: protective role of bioactive grape-derived compounds |
| Fernando Brites (Facultad de Farmacia y Bioquímica, UBA, Buenos Aires, Argentina. | Pro-atherogenic alterations in metabolic syndrome |
| Pablo Costanzo (Servicio de Endocrinologia, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina) | Metabolic syndrome and male hypoandrogenism |
| Carlos Reyes Toso (Facultad de Medicina, UBA, Buenos Aires, Argentina) | Effects of antioxidants administration in experimental metabolic syndrome |
| CURRENT TOPICS IN GPCR SIGNALING | Title |
| Rob Leurs (VU University Amsterdam, Netherlands) | Different chemical biology approaches towards modulation of GPCR signaling |
| Kjell Fuxe (Department of Neuroscience, Karolinska Institute, Sweden) | Allosteric receptor-receptor interactions in homo-and heteroreceptor complexes give a new dimension to molecular neuroscience and understanding learning and memory and brain disease |
| Roger K. Sunahara, Department of Pharmacology, University of California San Diego (USA) | Harnessing the plasticity of G protein-coupled receptors through allosteric regulation by G proteins, small molecules and cations |
| Michel Bouvier (Department of Biochemistry and Molecular Medicine, Faculty of Medicine and Institute for Research in Immunology and Cancer, Université de Montréal, Canada) | Molecular and structural determinants of GPCR functional selectivity and signal propagation |
| HOST-PARASITE INTERACTION | Title |
| Álvaro F. Acosta-Serrano (Liverpool School of Tropical Medicine, Parasitology and Vector Biology Department, USA) | Crossing borders without a visa: how do African trypanosomes colonise the tsetse fly vector? |
| Jesus Valenzuela (Laboratory of Malaria and Vector Research, National Institutes of Health (NIH), USA) | From Metacyclics to Retromonads: A new stage in *Leishmania* development within the sand fly midgut impacts vectorial capacity |
| Nisha Garg (Department of Microbiology and Immunology, University of Texas Medical Branch (UTMB), Galveston, TX, USA) | Multiple roles of mitochondria in inflammatory chagasic cardiomyopathy |
| Hakimi Mohamed-Ali : IAB – Institute for Advanced Biosciences, Université Grenoble Alpes, France) | *Toxoplasma gondii* molecular mimicry: from Immune evasion to parasite persistence |
| TRANSLATIONAL NEUROSCIENCE | Title |
| Kenneth Kosik (University of California, Santa Barbara, USA) | Tauopathies: Perspectives on an Emerging Pathobiology |
| Francisco Barrantes (Instituto de Investigaciones Biomédicas (BIOMED), Universidad Católica Argentina (UCA), CONICET, Buenos Aires, Argentina) | Synaptopathies: Pre-prodromic stages of neuropsychiatric disease? |
| Patricio O´Donnell (Harvard Medical School, Medical School, Boston, Massachusetts, USA) | Drug Discovery in Psychiatry: from genes to targets, circuits and patients |
| Jorge Medina (instituto de Neurociencia E. de Robertis, Facultad de Medicina, UBA, Buenos Aires, Argentina) | To be confirmed |
| GENOMIC INSTABILITY & DNA REPAIR: LESSONS FROM CANCER, NEURODEGENERATION AND AGING | Title |
| Tinna V. Stevnsner (Department of Molecular Biology and Genetics - Genome expression, stability and technology, Aarhus University, Aarhus, Denmark) | Regulation of base excision repair in the aging brain |
| Vanesa Gottifredi (Fundación Instituto Leloir, IIBBA/ CONICET, Buenos Aires, Argentina) | The nascent DNA; a signalling toolbelt that integrates multiple pathways in cells |
| Manuel Muñoz (IFIBYNE, CONICET, Argentina) | Major roles of pyrimidine dimers, nucleotide excision repair and ATR in the alternative splicing response to UV irradiation |
| Ricardo Gredilla (Departamento de Fisiología, Facultad de Medicina, Universidad Complutense de Madrid, Madrid, España) | Ovarian hormone deprivation and hormone replacement therapy effects on mitochondrial DNA repair processes in the brain |
| GADOR FOUNDATION AWARD | Title: Gastroenterology, Nutrition and Metabolism |

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| **FRIDAY** |
| CHERNY AWARD |
| SATZ AWARD |
| CAMILIÓN DE HURTADO AWARD |
| SAFE´S AWARD |