

LECTURES, CONFERENCES, SYMPOSIA AND LUNCHTIME ACTIVITIES PROGRAM

Day (Schedule)	SPEAKER (Chair)	PLENARY LECTURE (Versailles Room)
Monday (18:45-19:45)	ROBERT D. SCHREIBER (Washington University School of Medicine, St. Louis, Missouri, USA). (Chair: Gabriel Rabinovich)	Cancer neoantigens as targets for natural and therapeutic anti-tumor responses
Tuesday (18:30-19:30)	ERWIN WAGNER (Spanish National Cancer Research Centre, Madrid, Spain) (Chair: José Luis Bocco)	EMBO Lecture: Inflammation, metabolism and cancer linked to AP-1(Fos/Jun) expression
Wednesday (19:20-20:20)	GABRIEL RABINOVICH (Instituto de Biología y Medicina Experimental, CONICET; Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Buenos Aires, Argentina) (Chair: Jorge Geffner)	Lanari Lecture: Closing rifts to open new horizons: a sweet tale of tolerance from basic discovery to drug design
Thursday (18:30-19:30)	JEFFREY L. BENOVIC (Thomas Jefferson University, Jefferson Health, Philadelphia, USA) (Chair: Lutz Birnbaumer)	The biochemistry of G protein-coupled receptor signaling
Friday (11:10-12:10)	ANGEL I. NEBREDA (ICREA and Institute for Research in Biomedicine, Barcelona Institute of Science and Technology, Barcelona, Spain) (Chair: Omar Coso)	Alberto Sols Lecture: Tumorigenesis regulation by stress kinase signaling
Friday (17:30-18:30)	THOMAS A. STEITZ, Nobel Prize In Chemistry 2009 (Department of Molecular Biophysics and Biochemistry; Department of Chemistry at Yale University; Howard Hughes Medical Institute, New Haven, USA) (Chair: José María Delfino)	Gregorio Weber Lecture: The structure and function of the ribosome complexes with various protein factors and antibiotics

Day (Schedule)	Room	SPEAKER (Chair)	CONFERENCE
Monday (8:30-9:20)	Dorée	ANTONIO LANZAVECCHIA (Institute for Research in Biomedicine, Bellinzona, Switzerland) (Chair: Emilio Malchiodi)	Lessons from the analysis of the immune response to Plasmodium falciparum
	Renoir	DAMIÁN REFOJO (Instituto de Investigación en Biomedicina de Buenos Aires, CONICET, Buenos Aires, Argentina) (Chair: Silvia Wikinski)	Neddylaton as a new essential post-translational modification: Its role on neuronal development and metabolism as a proof of principle
	Monet	MARCELO MARTI (Departamento de Química Biológica, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Buenos Aires, Argentina) (Chair: Darío Estrin)	Bioinformatics applications: where Biophysics and Genomics meet
	Rodin	JULIO A. URBINA (Instituto Venezolano de Investigación Científica, Caracas, Venezuela) (Chair: Alejandro Schijman)	Recent clinical studies for the treatment of chronic Chagas disease: conclusions, challenges and alternatives

Tuesday (8:30-9:20)	Dorée	LISA COUSSENS (Oregon Health and Science University, Portland, Oregon, USA) (Chair: Marta Toscano)	Manipulating the tumor microenvironment for anti-cancer therapy
	Renoir	JON HENNEBOLD (Oregon Health and Science University, Portland, Oregon, USA) (Chair: Griselda Irusta)	Defining the cellular and molecular processes critical for primate ovarian function and fertility
	Monet	ROBERTO DOCAMPO (University of Georgia, Athens, Georgia, USA) (Chair: Juan José Cazzulo)	Novel approaches for genome editing in trypanosomes
Wednesday (8:30-9:20)	Dorée	ENRIQUE MESRI (Microbiology and Immunology, Miller School of Medicine, Miami University, Coral Gables, Florida, USA) (Chair: Alberto Crottogini)	Héctor Torres - Horacio Cingolani Conference: Molecular and cellular mechanisms of human viral oncogenesis
	Renoir	E. JOHN WHERRY (Department of Microbiology and Institute for Immunology, Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania, USA) (Chair: Norberto Zwirner)	Understanding the molecular program of T cell exhaustion and its role in disease
	Monet	CARLOS DAVIO (Instituto de Investigaciones Farmacológicas, CONICET, Universidad de Buenos Aires, Buenos Aires, Argentina) (Chair: Juana María Pasquini)	Taquini Conference: Mechanism-based target identification and drug discovery in cancer research: relevance of cyclic-AMP and coupled signaling pathway
	Rodin	ALBERTO NAGELBERG (División de Endocrinología, Hospital General de Agudos "Dr. Carlos G. Durand", Buenos Aires, Argentina) (Chair: Uriel Pragier)	Health care for sexual diversity at the public hospital: 12 years of experience
Thursday (8:30-9:20)	Dorée	FRANCISCO BARALLE (International Centre for Genetic Engineering and Biotechnology, Trieste, Italy) (Chair: Armando Parodi)	Ranwel Caputto Lecture: Aging, TDP 43 aggregation and neurodegeneration
	Renoir	ALEJANDRO VILA (Instituto de Biología Molecular y Celular de Rosario, CONICET, Universidad Nacional de Rosario, Rosario, Argentina) (Chair: Gabriela Amodeo)	The last frontier of antibiotic resistance: at the heart of protein evolution
	Monet	RAFAEL MALDONADO (Facultad de Ciencias de la Salud y de la Vida, Universidad Pompeu Fabra de Barcelona, Spain) (Chair: Graciela Balerio)	Addictive-like behavior induced by palatable food: neurobiological bases
	Rodin	ALEXANDER KAUFFMAN (University of California at San Diego, San Diego, California, USA) (Chair: Victoria Lux-Lantos)	Don't Stress! New insights into stress inhibition of mammalian reproduction
Friday (8:30-9:20)	Dorée	FEDERICA SALLUSTO (Institute for Research in Biomedicine, Università della Svizzera italiana, Bellinzona, Switzerland) (Chair: Eva Acosta-Rodríguez)	Leonardo Satz Conference: Heterogeneity of the human T cell response against microbes
	Renoir	ANDREA GAMARNIK (Fundación Instituto Leloir, Buenos Aires, Argentina) (Chair: Lía Pietrasanta)	Molecular mechanisms of Dengue and Zika virus replication
	Monet	PATRICIA CUASNICU (Instituto de Biología y Medicina Experimental, CONICET, Buenos Aires, Argentina) (Chair: Silvina Perez Martinez)	From fertilization to the immune system

SYMPOSIA MONDAY, November 13th		
Schedule	BIOCHEMISTRY AND MOLECULAR CELL BIOLOGY OF PLANTS (Dorée Room)	Chairs: Paula Casati and Isabel Lacau
11:10-11:40	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
11:40-12:10	FEDERICO ARIEL (Instituto de Agrobiotecnología del Litoral, CONICET, Universidad Nacional del Litoral, Santa Fe, Argentina)	ASCO long noncoding RNA modulates alternative splicing patterns in <i>Arabidopsis</i>
12:10-12:40	SEBASTIÁN AZURMENDI (Instituto Nacional de Tecnología Agropecuaria, Buenos Aires, Argentina)	TMV systemic movement requires negative modulation of the immune system
12:40-13:10	JORGE MUSCHIETTI (Instituto de Investigaciones en Ingeniería Genética y Biología Molecular, CONICET, Buenos Aires, Argentina)	Molecular mechanisms of plant fertilization
Schedule	B CELLS AND FOLLICULAR T HELPER CELLS (Renoir Room)	Chairs: Eloisa Arana and Silvia Correa
11:10-11:40	CORNELIS MURRE (Division of Biological Sciences, University of California at San Diego, San Diego, California, USA)	Molecular and physical mechanisms that orchestrate B cell development
11:40-12:10	JOSEPH E. CRAFT (Yale University School of Medicine, New Haven, Connecticut, USA)	B cells and Follicular T helper cells
12:10-12:40	ADRIANA GRUPPI (Centro de Investigaciones en Bioquímica Clínica e Inmunología, CONICET, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, Córdoba, Argentina)	Galectin-3 deficiency drives lupus-like disease by promoting spontaneous germinal centers formation via IFN- γ
12:40-13:10	DEEPAK A. RAO (Harvard Medical School, Harvard University, Boston, Massachusetts, USA)	An expanded family of B cell-helper T cells in rheumatoid arthritis
Schedule	NEW THERAPEUTIC APPROACHES FOR THE CONTROL OF CHAGAS DISEASE (Monet Room)	Chairs: Adelina Riarte and Hector Freilij
11:10-11:40	SERGIO SOSA ESTANI (Drugs for Neglected Diseases Initiative, Buenos Aires, Argentina)	Chagas disease: Clinical evidence for etiological treatment and biomarkers for assessing response
11:40-12:10	ALICIA FUCHS (Centro de Altos Estudios en Ciencias Humanas y de la Salud, Universidad Abierta Interamericana, Buenos Aires, Argentina)	Bisphosphonates a proposal for antiparasitic treatment
12:10-12:40	ALAN TALEVI (Facultad de Ciencias Exactas, Universidad Nacional de La Plata, La Plata, Argentina)	Modern approaches for the discovery of drugs against Chagas disease
12:40-13:10	CELINA LAMAS (Instituto de Química de Rosario, CONICET, Rosario, Argentina)	New therapeutic strategies for the treatment of Chagas disease
Schedule	YOUNG INVESTIGATORS IN REPRODUCTION (Rodin Room)	Chairs: Clara Marín-Briggiler and Leandro Miranda
11:10-11:40	SHEILA ONS (Centro Regional de Estudios Genómicos, CONICET, Universidad Nacional de La Plata, La Plata, Argentina)	Hormonal Regulation of insect reproduction

11:40-12:10	ALEJANDRO MECHALY (Instituto Nacional de Investigación y Desarrollo Pesquero, CONICET, Mar del Plata, Argentina)	Kisspeptin: is it the gene of the first kiss in fish?
12:10-12:40	EUGENIA MATZKIN (Instituto de Biología y Medicina Experimental, CONICET, Buenos Aires, Argentina)	Cyclooxygenase and prostaglandins in testicular physiopathology
12:40-13:10	MICAELA SORDELLI (Centro de Estudios Farmacológicos y Botánicos, CONICET, Buenos Aires, Argentina)	Participation of lipid mediators in human trophoblast migration during the first trimester. Role of cAMP
Schedule	INFLAMMATION AND AUTOIMMUNITY (Dorée Room)	Chairs: Analía Trevani and Gerardo Mirkin
14:30-15:00	JORGE HENAO-MEJÍA (Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania, USA)	LncRNAs and inflammation
15:00-15:30	FELIPE ANDRADE (School of Medicine, Johns Hopkins University, Baltimore, Maryland, USA)	Neutrophil damage and hypercitrullination in rheumatoid arthritis
15:30-16:00	MARÍA DEL PILAR AOKI (Centro de Investigaciones en Bioquímica Clínica e Inmunología, CONICET; Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, Córdoba, Argentina)	Oxidative stress drives innate-adaptive immune crosstalk in human Chagas disease
16:00-16:30	MANUEL FRESNO (Centro de Biología Molecular Severo Ochoa, Universidad Autónoma de Madrid, Madrid, Spain)	Understanding the complex immunopathogenesis of <i>Trypanosoma cruzi</i> infection: the road to clinical management of Chagas disease
Schedule	PABMB CELL BIOLOGY: INTRACELLULAR TRAFFICKING (Renoir Room)	Chairs: Gustavo Chiabrando and Diana Wetzler
14:30-15:00	PATRICIA BURGOS (Universidad Austral de Chile, Valdivia, Chile; Centro de Biología Celular y Biomedicina, Universidad San Sebastián, Santiago, Chile; Center for Aging and Regeneration, Pontificia Universidad Católica de Chile, Santiago, Chile)	Autophagy cooperates in the degradation of key molecular players in Alzheimer's disease
15:00-15:30	PABLO S. AGUILAR (Instituto de Investigaciones Biotecnológicas "Dr. Rodolfo A. Ugalde", CONICET, Universidad Nacional de San Martín, Buenos Aires, Argentina)	Fusexins, a family of sexual, somatic and viral cell fusion proteins
15:30-16:00	PABLO J. SCHWARZBAUM (Instituto de Química y Físico-Química Biológicas "Prof. Alejandro C. Paladini", CONICET; Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires, Argentina)	Regulation of extracellular ATP in health and disease
16:00-16:30	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
14:30-16:30	BIGAND FOUNDATION YOUNG INVESTIGATORS SAIC AWARD (Monet Room)	
Schedule	YOUNG INVESTIGATORS IN PHARMACOLOGY (Rodin Room)	Chairs: Alicia Motta and Dalia Abramovich
14:30-15:00	PABLO U. DÍAZ (Instituto de Ciencias Veterinarias del Litoral, CONICET, Universidad Nacional del Litoral, Esperanza, Argentina)	Ovary as a therapeutic target in polycystic ovary syndrome and bovine cystic ovarian disease. An overview
15:00-15:30	GISELLE ABRUZZESE (Centro de Estudios Farmacológicos y	Fetal programming by androgen excess: effects

	Botánicos, CONICET, Facultad de Medicina, Universidad de Buenos Aires, Buenos Aires, Argentina)	on lipid metabolism and its impact on ovarian functions
15:30-16:00	PABLO U. DÍAZ (Instituto de Ciencias Veterinarias del Litoral, CONICET, Universidad Nacional del Litoral, Esperanza, Argentina)	Hemodynamics changes and altered expression of VEGF-a and VEGF-R during early stages of cystic ovarian disease (COD)
16:00-16:30	MARIANA DI PIETRO (Instituto de Biología y Medicina Experimental, CONICET, Buenos Aires, Argentina)	Strategy to improve fertility in polycystic ovary syndrome: ovarian angiogenesis as a therapeutic target

SYMPOSIA TUESDAY, November 14th		
Schedule	IMMUNOPHARMACOLOGY AND IMMUNOTHERAPY (Dorée Room)	Chairs: Romina Girotti and Vanina Medina
11:10-11:40	ROB THURMOND (Clinical Research Group, Johnson and Johnson, La Jolla, San Diego, California, USA)	The histamine H4 receptor: translation of preclinical models to clinical efficacy
11:40-12:10	MADELEINE ENNIS (Centre for Infection and Immunity, Queen's University Belfast, Belfast, Northern Ireland, United Kingdom)	Cystic fibrosis from laboratory to clinic
12:10-12:40	KATERINA TILIGADA (Medical School, National and Kapodistrian University of Athens, Greece)	Immunopharmacological challenges and opportunities in modern targeted therapeutics
12:40-13:10	CARLOS SILVA (Servicio de Oncología Clínica, Hospital Británico, Buenos Aires, Argentina)	Immuno-oncology: yesterday, today and tomorrow
Schedule	MICROBIOLOGY (Renoir Room)	Chairs: Monica Delgado and Susana Laucella
11:10-11:40	DIANA HANSEN (Infection and Immunity Division, The Walter and Eliza Hall Institute of Medical Research, Victoria, Australia)	Immunological processes underlying the slow acquisition of immunity to blood-stage malaria
11:40-12:10	KONSTANTIN SEVERINOV (Waksman Institute, Rutgers University, New Brunswick, New Jersey, USA)	Adaptive immunity of bacteria
12:10-12:40	NANCY FREITAG (University of Illinois, College of Medicine at Chicago, Chicago, USA)	From soil to cytosol: the pathogenic transition of the environmental bacterium <i>Listeria monocytogenes</i>
12:40-13:10	MÓNICA SPARO (Universidad Nacional de La Plata, La Plata, Argentina)	Impact of antimicrobial activity of bacterial peptides on multi-drug resistant pathogens: effect in human and veterinary medicine
Schedule	MYSTERIES OF REPRODUCTION I (Monet Room)	Chairs: Mónica Muñoz de Toro and Débora Cohen
11:10-11:40	HÉCTOR A. GUIDOBALDI (Instituto de Investigaciones Biológicas y Tecnológicas, CONICET, Facultad de Ciencias Exactas, Físicas y Naturales, Universidad Nacional de Córdoba, Córdoba, Argentina)	Now you see me, now you don't! Selection strategies employed by the oocyte to be correctly fertilized
11:40-12:10	MIGUEL FORNES (Instituto de Histología y Embriología "Dr. Mario H. Burgos", Universidad Nacional de Cuyo, Mendoza, Argentina)	Spermatic alterations as markers of hypercholesterolemia and their improvement with olive oil consumption

12:10-12:40	LUCRECIA IRUZUBIETA (Facultad de Bioquímica, Química y Farmacia, Universidad Nacional de Tucumán, Tucumán, Argentina)	Morphological and functional study of <i>Leptodactylus chaquensis</i> testis
12:40-13:10	CECILIA PAPARELLA (Facultad de Ciencias Bioquímicas y Farmacéuticas, Universidad Nacional de Rosario, Rosario, Argentina)	Environmental factors and their effects on male reproduction
Schedule	YOUNG INVESTIGATORS IN BIOPHYSICS (Rodin Room)	Chairs: Vanesa Herlax and Luciano Galizia
11:10-11:40	ERNESTO AMBROGGIO (Centro de Investigaciones en Química Biológica de Córdoba, CONICET; Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, Córdoba, Argentina)	Effect of lipid-packing and membrane curvature on protein membrane interactions
11:40-12:10	SANTIAGO DI LELLA (Instituto de Química Biológica-Ciencias Exactas y Naturales, CONICET; Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Buenos Aires, Argentina)	Hampering the inactivation of the immunomodulatory protein Galectin-1 in inflammatory microenvironments
12:10-12:40	MARÍA 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
12:40-13:10	LORENA SIGAUT (Instituto de Física de Buenos Aires, CONICET, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Buenos Aires, Argentina)	Sustained mechanical stress alters the dynamics and molecular response of focal adhesions in mammary epithelial cells
Schedule	PRECISION MEDICINE IN ONCOHEMATOLOGY (Dorée Room)	Chairs: Leandro Cerchiatti and Germán Stemmelin
14:30-15:00	LAURA PASQUALUCCI (Pathology and Cell Biology, Columbia University, New York, USA)	The genetic basis of diffuse large B cell lymphoma
15:00-15:30	LEANDRO CERCHIETTI (Weill Cornell Medicine, Cornell University, New York, USA)	Targeting nuclear trafficking: the way out
15:30-16:00	KATHERINE BORDEN (Department of Pathology and Cell Biology, Faculty of Medicine, Université de Montréal, Montréal, Canada)	Decoupling the proteome from the transcriptome: the story of the eukaryotic translation initiation factor EIF4E
16:00-16:30	MONICA GUZMAN (Weill Cornell Medicine, Cornell University, New York, USA)	Therapeutic targeting of leukemia stem cells
Schedule	CELL SIGNALING: UBIQUITIN AND AUTOPHAGY IN HEALTH AND DISEASE (Renoir Room)	Chairs: Pablo Wapner and Mario Rossi
14:30-15:00	SIMONA POLO (Fondazione Istituto di Oncologia Molecolare, Milano, Italy)	Structural and functional plasticity of myosin V
15:00-15:30	DANIELE GUARDAVACCARO (Utrecht University, Utrecht, The Netherlands)	Cullin-RING ubiquitin ligases: from signaling to disease
15:30-16:00	MARÍA ISABEL COLOMBO (Instituto de Histología y Embriología "Dr. Mario Burgos", CONICET, Universidad Nacional de Cuyo, Mendoza, Argentina)	Autophagy and pathogen-containing compartments: signaling to control life and death
16:00-16:30	MARÍA INÉS VACCARO (Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires, Buenos Aires, Argentina)	Autophagy in pancreatic diseases

Schedule	BIOPHYSICAL APPROACHES (Monet Room)	Chairs: Sabina Mate and Axel Hollman
14:30-15:00	ANDRÉS BINOLFI (Laboratorio Max-Planck de Biología Estructural, Universidad Nacional de Rosario, Rosario, Argentina)	In-cell NMR as a tool for in situ structural biology
15:00-15:30	LAURA ESTRADA (Instituto de Física de Buenos Aires, CONICET; Universidad de Buenos Aires, Buenos Aires, Argentina)	Dengue virus capsid dynamics: bridging biophysics and molecular virology by advanced fluorescence techniques
15:30-16:00	LAURA FANANI (Centro de Investigaciones en Química Biológica de Córdoba, CONICET; Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, Córdoba, Argentina)	What can we learn about drug membrane interaction from model lipid membranes
16:00-16:30	VALERIA LEVI (Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Buenos Aires, Argentina)	Mapping the dynamics of transcription factors in living cells and whole organisms
Schedule	MALE SEXUALITY: AN INTEGRATED APPROACH (Rodin Room)	Chairs: Pablo Knoblovits and Omar Layus
14:30-15:00	OSVALDO MAZZA (Servicio de Urología, Hospital de Clínicas "José de San Martín", Buenos Aires, Argentina)	Sexual evolution in the human species
15:00-15:30	ERNESTO GRASSO (Sección Andrología / Sexología, Sanatorio Trinidad Mitre, Buenos Aires, Argentina)	Premature ejaculation: diagnosis and treatment
15:30-16:00	MIGUEL RIVERO (Equipo de Neurocirugía Endovascular Radiología Intervencionista, Buenos Aires, Argentina)	From endothelial dysfunction to erectile dysfunction. Where do we stand in 2017? Therapeutic possibilities
16:00-16:30	MARTA RAJTMAN (Sociedad Argentina de Sexualidad Humana, Buenos Aires, Argentina)	Sexuality in menopause

SYMPOSIA WEDNESDAY, November 15th		
Schedule	ONCOLOGY: TUMOR MICROENVIRONMENT (Dorée Room)	Chairs: Mariana Salatino and Claudia Lanari
11:10-11:40	DEAN W. FELSHER (Stanford University, Stanford, California, USA)	MYC is a global regulator of the host immune response
11:40-12:10	ROMINA GOLDSZMID (Center for Cancer Research, NCI; NIAID, National Institutes of Health, Bethesda, Maryland, USA)	On the role of the microbiota as a key modulator of the tumor microenvironment
12:10-12:40	MARIANELA CANDOLFI (Instituto de Investigaciones Biomédicas, CONICET, Facultad de Medicina, Universidad de Buenos Aires, Buenos Aires, Argentina)	Blockade of FoxP3 improves the efficacy of antitumor vaccines in experimental breast cancer
12:40-13:10	MICHAEL KARIN (University of California at San Diego, San Diego, California, USA)	Control of inflammation - driven liver tumorigenesis by adaptive immunity: a tug of war between immunosurveillance and immunosuppression
Schedule	BIOPHYSICAL INSIGHTS INTO PROTEIN STRUCTURE, FUNCTION	Chairs: Mónica Montes and Pablo Tomatis

	AND DYNAMICS (Renoir Room)	
11:10-11:40	SILVIA ANTOLLINI (Instituto de investigaciones Bioquímicas de Bahía Blanca, CONICET, Universidad Nacional del Sur, Bahía Blanca, Argentina)	The nicotinic acetylcholine receptor and its surrounding lipids: a long-standing relationship
11:40-12:10	LARISA CYBULSKI (Instituto de Biología Molecular y Celular, Universidad Nacional de Rosario, Rosario, Argentina)	A metastable H-bond zipper transmit information across the cell membrane
12:10-12:40	DIEGO FERREIRO (Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Buenos Aires, Argentina)	Structure, function and frustration in proteins: a conflicting origami
12:40-13:10	GUSTAVO PARISI (Universidad Nacional de Quilmes, Bernal, Buenos Aires, Argentina)	Conformational diversity analysis reveals three functional mechanisms in proteins
Schedule	MYSTERIES OF REPRODUCTION II (Monet Room)	Chairs: Fernanda Parborell and Maria Susana Theas
11:10-11:40	LAURA LÓPEZ GRECO (Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Buenos Aires, Argentina)	Sex under the water: mysteries hidden by crustacean decapods
11:40-12:10	MÓNICA MARTELLA (Instituto de Diversidad y Ecología Animal, CONICET; Centro de Zoología Aplicada, Facultad de Ciencias Exactas Físicas y Naturales, Universidad Nacional de Córdoba, Córdoba, Argentina)	The mating system of the Greater Rhea: role change and promiscuity
12:10-12:40	ANA MEIKLE (Universidad de la República del Uruguay, Sociedad Uruguaya de Biociencias, Montevideo, Uruguay)	Pregnancy or luteolysis in ruminants. Emphasis in nutrition
12:40-13:10	MARIANO BUFFONE (Instituto de Biología y Medicina Experimental, CONICET, Buenos Aires, Argentina)	Such a pretty tail...Studying the sperm flagellum using high resolution microscopy
Schedule	MYOCARDIUM: FROM SELF-PROTECTION TO REGENERATION (Rodin Room)	Chairs: Elena Lascano and Celeste Villa-Abrille
11:10-11:40	SANTIAGO MIRIUKA (Instituto FLENI, Buenos Aires, Argentina)	From a pluripotent stem cell to a cardiomyocyte: microRNAs and their isoMirs regulation
11:40-12:10	MARTÍN DONATO (Instituto de Fisiopatología Cardiovascular, Facultad de Medicina, Universidad de Buenos Aires, Buenos Aires, Argentina)	Remote ischemic preconditioning: present knowledge, unanswered questions and future perspectives
12:10-12:40	IRENE ENNIS (Centro de Investigaciones Cardiovasculares "Dr. Horacio Cingolani", CONICET, Universidad Nacional de La Plata, La Plata, Argentina)	Exercise-induced cardioprotection: its protagonists
12:40-13:10	PAOLA LOCATELLI (Instituto de Medicina Traslacional, Trasplante y Bioingeniería, CONICET; Universidad Favaloro, Buenos Aires, Argentina)	Adult cardiomyocyte cell cycle manipulation as cardio-regenerative strategy
13:10-15:10	NOVARTIS PLENARY SESSION: Innovation at the Industry CÉSAR MILSTEIN AWARD (Dorée Room)	
Schedule	ENDOCRINE SOCIETY JOINT SYMPOSIUM: INTEGRATING GENOMIC AND NONGENOMIC ACTION OF NUCLEAR RECEPTOR HORMONES IN PHYSIOLOGY AND PATHOLOGY (Dorée Room)	Chairs: Patricia Elizalde and Claudia Pellizas
15:20-15:50	SANDRA INCERPI (Università Degli Studi Roma Tre, Roma, Italy)	Extranuclear effects of thyroid hormones and analogs at the plasma membrane level

15:50-16:20	RICHARD SANTEN (Department of Medicine, Endocrinology and Metabolism, University of Virginia, Charlottesville, Virginia, USA)	Clinical syndromes of glucocorticoid hypersensitivity: glucocorticoid beta mutations and beyond.
16:20-16:50	JOHN CIDLOWSKI (Laboratory of Signal Transduction, National Institutes of Health, Bethesda, Maryland, USA)	Cell type specific actions of glucocorticoids <i>in vivo</i> : lessons from genetically modified animals
16:50-17:20	CECILIA PROIETTI (Instituto de Biología y Medicina Experimental, CONICET, Buenos Aires, Argentina)	Progesterone receptor as a transcriptional repressor regulates breast cancer growth
Schedule	INFECTION AND IMMUNITY (Renoir Room)	Chairs: Maria Silvia Di Genaro and Marisa Fernández
15:20-15:50	DAVID MASOPUST (Center for Immunology, University of Minnesota, Minneapolis, Minnesota, USA)	Resident memory T cells
15:50-16:20	ELINA ZÚÑIGA (Division of Biological Sciences, University of California at San Diego, San Diego, California, USA)	The art of co-existing: immune adaptations during chronic infections
16:20-16:50	JEAN P. SCHATZMANN-PERON (Instituto de Ciencias Biomédicas, Universidade de Sao Paulo, Sao Paulo, Brazil)	Zika virus congenital syndrome in experimental models
16:50-17:20	IGOR ALMEIDA (University of Texas, El Paso, Texas, USA)	Glycan- and peptide-based vaccines protect against heart inflammation and parasite burden in the nonhuman primate model of Chagas disease
Schedule	BIOLOGY OF LIPIDS IN REGULATING CELL PHYSIOLOGY (Monet Room)	Chairs: Dolores Carrer and Hugo Gramajo
15:20-15:50	TOBIAS WALTHER (Harvard Medical School, Harvard University, Boston, Massachusetts, USA)	The phase of fat: mechanisms and physiology of lipid storage
15:50-16:20	MARIO GUIDO (Centro de Investigaciones en Química Biológica de Córdoba, CONICET; Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, Córdoba, Argentina)	Metabolic rhythms persist in proliferative glioblastoma cancer cells with an altered circadian transcriptional clock
16:20-16:50	GABRIELA GAGO (Instituto de Biología Molecular y Celular de Rosario, Rosario, Argentina)	Deciphering mycobacterial lipid biosynthesis regulation
16:50-17:20	ELENA POSSE DE CHAVES (University of Alberta, Edmonton, Canada)	A scientific journey from the brain to the retina led by isoprenoids and protein prenylation
15:20-17:20	YOUNG RESEARCHERS IN PHYSIOLOGY 2017 SAFIS AWARD (Rodin Room)	

SYMPOSIA THURSDAY, November 16th		
Schedule	TRANSLATIONAL NEUROSCIENCE (Dorée Room)	Chairs: Francisco Barrantes and Flavia Saravia
11:10-11:40	FRANCISCO BARRANTES (Instituto de Investigaciones Biomédicas, CONICET; Universidad Católica Argentina, Buenos Aires, Argentina)	Synaptopathies: pre-prodromic stages of neuropsychiatric disease?
11:40-12:10	FERNANDO PITOSI (Fundación Instituto Leloir, CONICET, Buenos Aires, Argentina)	Study of neuroinflammation to identify neuroprotective targets for Parkinson's disease

12:10-12:40	PATRICIO O'DONNELL (Harvard Medical School, Harvard University, Boston, Massachusetts, USA)	Drug discovery in psychiatry: from genes to targets, circuits and patients
12:40-13:10	KENNETH KOSIK (University of California at Santa Barbara, Santa Barbara, California, USA)	Tauopathies: perspectives on an emerging pathobiology
Schedule	HOST-PARASITE INTERACTION (Renoir Room)	Chairs: María Teresa Tellez-Iñón and Oscar Competella
11:10-11:40	ÁLVARO F. ACOSTA-SERRANO (Parasitology and Vector Biology Department, Liverpool School of Tropical Medicine, Liverpool, United Kingdom)	Crossing borders without a visa: how do African trypanosomes colonise the tse-tse fly vector?
11:40-12:10	JESUS VALENZUELA (Laboratory of Malaria and Vector Research, National Institutes of Health, Rockville, Maryland, USA)	From metacyclics to retromonads: a new stage in <i>Leishmania</i> development within the sand fly midgut impacts vectorial capacity
12:10-12:40	NISHA GARG (Department of Microbiology and Immunology, University of Texas Medical Branch, Galveston, Texas, USA)	Multiple roles of mitochondria in inflammatory chagasic cardiomyopathy
12:40-13:10	HAKIMI MOHAMED-ALI (Institute for Advanced Biosciences, Université Grenoble Alpes, Grenoble, France)	<i>Toxoplasma gondii</i> molecular mimicry: from Immune evasion to parasite persistence
Schedule	HEPATOBIILIARY PHYSIOLOGY. BREAKTHROUGHS AND NEW THERAPEUTICAL TARGETS (Monet Room)	Chairs: Cecilia Larocca and Mariana García
11:10-11:40	GUILLERMO MAZZOLINI RIZZO (Instituto de Investigaciones en Medicina Traslacional, CONICET, Universidad Austral, Buenos Aires, Argentina)	The SPARC protein in liver disease. A novel therapeutic target?
11:40-12:10	RAÚL MARINELLI (Instituto de Fisiología Experimental, CONICET; Universidad Nacional de Rosario, Rosario, Argentina)	Therapeutic aquaporin gene transfer in hepatocellular cholestasis
12:10-12:40	CLAUDIO TIRIBELLI (Liver Clinical and Research Center, Teaching Hospital, University of Trieste; Italian Liver Foundation, Trieste, Italy)	Bilirubinomics 2017
12:40-13:10	GABRIEL GONDOLESI (Instituto de Medicina Traslacional, Trasplante y Bioingeniería, CONICET, Universidad Favaloro, Buenos Aires, Argentina)	Liver vascular physiology and its clinical application
11:10-13:10	GADOR FOUNDATION AWARD to the best work in the area of Gastroenterology, Nutrition and Metabolism (Rodin Room)	
Schedule	CURRENT TOPICS IN GPCR SIGNALING (Dorée Room)	Chairs:
14:30-15:00	KJELL FUXE (Department of Neuroscience, Karolinska Institutet, Solna, 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
15:00-15:30	ROGER K. SUNAHARA (Department of Pharmacology, University of California at San Diego, San Diego, California, USA)	Harnessing the plasticity of G protein-coupled receptors through allosteric regulation by G proteins, small molecules and cations
15:30-16:00	MICHEL BOUVIER (Department of Biochemistry and Molecular Medicine, Faculty of Medicine and Institute for Research in Immunology and Cancer, Université de Montréal, Montréal,	Molecular and structural determinants of GPCR functional selectivity and signal propagation

	Canada)	
16:00-16:30	ROB LEURS (Vrije Universiteit, Amsterdam, The Netherlands)	Different chemical biology approaches towards modulation of GPCR signaling
Schedule	METABOLISM AND THE IMMUNE RESPONSE (Renoir Room)	Chairs: Carolina Montes and Daniel González-Maglio
14:30-15:00	PEDRO M. MENDES DE MORAES VIEIRA (Instituto de Biologia, Universidade Estadual de Campinas, Campinas, Brazil)	Macrophage immunometabolism in metabolic and inflammatory diseases
15:00-15:30	THOMAS WEICHHART (Center of Pathobiochemistry and Genetics, Institute of Medical Genetics, Medical University of Vienna, Vienna, Austria)	mTOR signalling in macrophages
15:30-16:00	MARTÍN RUMBO (Instituto de Estudios Inmunológicos y Fisiopatológicos, CONICET, La Plata, Argentina)	Regulation of immune function by lactate and short chain fatty acids
16:00-16:30	DAVID ARTIS (Weill Cornell Medical College, Cornell University, New York, USA)	Immune regulation at barrier surfaces
Schedule	GENOMIC INSTABILITY & DNA REPAIR: LESSONS FROM CANCER, NEURODEGENERATION AND AGING (Monet Room)	Chairs: Sandra Zárate and ...
14:30-15:00	VANESA GOTTIFREDI (Fundación Instituto Leloir, CONICET, Buenos Aires, Argentina)	The nascent DNA: a signaling tool belt that integrates multiple pathways in cells
15:00-15:30	RICARDO GREDILLA (Departamento de Fisiología, Facultad de Medicina, Universidad Complutense de Madrid, Madrid, Spain)	Regulation of base excision repair in the aging brain
15:30-16:00	SANDRA ZÁRATE (Instituto de Investigaciones Biomédicas, CONICET; Facultad de Medicina, Universidad de Buenos Aires, Buenos Aires, Argentina)	Ovarian hormone deprivation and hormone replacement therapy effects on mitochondrial DNA repair processes in the brain
16:00-16:30	MANUEL MUÑOZ (Instituto de Fisiología, Biología Molecular y Neurociencias, CONICET; Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Buenos Aires, Argentina)	Major roles of pyrimidine dimers, nucleotide excision repair and ATR in the alternative splicing response to UV irradiation
Schedule	METABOLIC SYNDROME: NOVEL KNOWLEDGE AND NEW CHALLENGES (Rodin Room)	Chairs: Silvina Villanueva and Luis Cuniberti
14:30-15:00	MARCELA VÁZQUEZ PRIETO (Instituto de Medicina y Biología Experimental de Cuyo, CONICET, Universidad Nacional de Cuyo, Mendoza, Argentina)	Adipose tissue inflammation and metabolic syndrome: protective role of bioactive grape-derived compounds
15:00-15:30	CARLOS REYES TOSO (Facultad de Medicina, Universidad de Buenos Aires, Buenos Aires, Argentina)	Effects of antioxidants administration in experimental metabolic syndrome
15:30-16:00	FERNANDO BRITES (Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires, Buenos Aires, Argentina)	Pro-atherogenic alterations in metabolic syndrome
16:00-16:30	PABLO COSTANZO (Servicio de Endocrinología, Metabolismo y Medicina Nuclear, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina)	Metabolic syndrome and male hypoandrogenism

SYMPOSIA FRIDAY, November 17th	
13:30-15:30	LEÓN CHERNY AWARD - SOCIEDAD ARGENTINA DE INVESTIGACIÓN CLÍNICA (Dorée Room)
13:30-15:30	LEONARDO SATZ AWARD - SOCIEDAD ARGENTINA DE INMUNOLOGÍA (Renoir Room)
13:30-15:30	CAMILIÓN DE HURTADO AWARD - SOCIEDAD ARGENTINA DE FISIOLÓGÍA (Monet Room)
13:30-15:30	SAFE AWARD - SOCIEDAD ARGENTINA DE FARMACOLOGÍA EXPERIMENTAL (Rodin Room)

LUNCHTIME ACTIVITIES			
Day (Schedule)	Room	TITLE / SPEAKERS	ORGANIZER
Monday (13:10-14:30)	Renoir	<p>NEURO-INFLAMMATORY DISEASES: PATHOGENIC MECHANISMS - IMMUNOMODULATION WITH GAMMAGLOBULIN (Chair: Analia G. Seminario)</p> <ul style="list-style-type: none"> - PABLO IRIBARREN: "The inflammatory response in the Central Nervous System and its role in neurological diseases" - LILIANA BEZRODNIK: "Immunomodulatory effects of gammaglobulin on B and T lymphocytes on the path to tolerance" - MARTIN NOGUÉS: "Immunomodulatory treatment with gammaglobulin in peripheral and central autoinflammatory neurological diseases" 	CSL Behring Argentina SAI
	Rodin	<p>HUMAN VARIOME PROJECT SESSION (Chair: Angela Solano)</p> <ul style="list-style-type: none"> - JUERGEN REICHARDT (International Scientific Committee of the Human Variome Project) - MANUEL GARRIDO (Division of Legal Affairs, Human Variome Project - Argentinean Node) - MARÍA VINIEGRA (Oncology Adviser, Human Variome Project - Argentinean Node) 	The Human Variome Project - Argentinean Node
Tuesday (13:10-14:30)	Renoir	<p>NATIONAL CANCER INSTITUTE (INC)- ARGENTINEAN MINISTRY OF HEALTH (Chair: Julia Ismael)</p> <ul style="list-style-type: none"> - JULIA ISMAEL: "Presentation of the activities of INC" - MARIA GRACIELA ABRIATA: "Cancer records as a primary source of data" - LINA NÚÑEZ: "Activity screening and generation of epidemiologic data. The experience of the Argentinean Familiar Cancer Network" - ANDREA LLERA: "Questions and answers about the use of the INC records for research" 	National Cancer Institute - Argentinean Ministry of Health

	Dorée	HUMAN MICROBIOME AND HEALTH: THE DIAGNOSTIC ROUTE USING NGS MARTIN VAZQUEZ, Chief Scientific Officer of Indear and Heritas, and Key Opinion Leader of Illumina.	Biosystems
	Rodin	LABORATORY ANIMALS: CICUAL AND LEGISLATION MARCELA REBUELTO: "Protective elements for laboratory animals: the CICUAL and the possibility of a new law"	SAFE and SAIC
Wednesday (13:10-15:10)	Dorée	NOVARTIS SESSION "Innovation at the Industry" CÉSAR MILSTEIN AWARD SESSION	Novartis
Thursday (13:10-14:30)	Dorée	SALES FOUNDATION SESSION - JOSE MORDOH: "The CSF470 anti-melanoma vaccine prevents metastases development: a phase II clinical trial"	Sales Foundation
	Renoir	SARTORIUS PRESENTATION - NOUSHIN DELMDAHL: "Simplified small-scale harvest of CHO cells for mAb analytics comparison of clarification principles: centrifugation and diatomaceous earth"	Sartorius
	Monet	SESSION I - ARGENTINEAN SOCIETY OF NANOMEDICINE (Chair: Hebe Durán) - EDER ROMERO: "With the focus in macrophages: Inhalable and anti-atherogenic nanomedicines" - ANA PAULA PÉREZ: "Nanomaterial strategies to overcome bacterial biofilm infection" - MARIA J. MORILLA: "Inflammatory bowel disease: new nanomedical approaches"	Argentinean Society of Nanomedicine
	Rodin	EDUCATIONAL WORKSHOP - "ENDOCRINE SOCIETY" SESSION - RICHARD SANTEN: "Grant Writing Pearls for Next-Gen Investigators"	Endocrine Society
Friday (12:10-13:30)	Dorée	SESSION II - ARGENTINEAN SOCIETY OF NANOMEDICINE (Chair: Ana Paula Pérez) - ROMINA GLISONI: "Diagnosis and treatment of cancer: the future of nanoparticles conjugated to active ligands" - VERÓNICA LASALLE: "Magnetic nanoparticles: efficient and versatile tools for multiple biomedical issues" - HEBE DURÁN: "Design, synthesis, and characterization of metallic nanoparticles for combined treatments with radiotherapy in resistant melanoma" - PRISCILLA SCHILRREFF: "Super-stable nanoparticles for superoxide dismutase oral delivery"	Argentinean Society of Nanomedicine

	Renoir	<p align="center">STRUCTURAL BIOLOGY: INSTRUCT PLATFORMS IN EUROPE</p> <p>- ALBERTO PODJARNY: "Access of scientists from Argentina, Brazil and Uruguay to INSTRUCT platforms in Europe"</p>	European INSTRUCT Ultra Project
	Monet	<p align="center">EDUCATIONAL WORKSHOP</p> <p>- MADELEINE ENNIS: "What makes a good (bad) poster?"</p>	ImmuPhar