SAIB

Sociedad Argentina de Investigaciones en Bioquímica y Biología Molecular

SAIB 62° SCIENCE MATTERS

CONGRESO SAIB 2026

2, 3 y 4 de Noviembre
Los Cocos, Córdoba

EXTENDED PROGRAM

SAIB 2026 CONGRESS

November 2–4, 2026 · Los Cocos, Córdoba

SCIENCE MATTERS

Program subject to organizational adjustments

MONDAY · NOVEMBER 2

09:00-11:00	Registration
11:00-11:30	Opening Ceremony
11:30-13:00	"Ranwel Caputto" Plenary Lecture

Dra. Viviana Rapisarda

INSIBIO (CONICET-UNT) and Inst. de Qca. Biológica "Dr. Bernabé Bloj", Fac. de Bioq., Qca. y Farm. (UNT), Tucumán, Argentina.

RETHINKING BACTERIAL PHYSIOLOGY IN TERMS OF PHOSPHATE AVAILABILITY: POLYPHOSPHATE AS A DYNAMIC RESERVOIR

Chairperson: Dr. José Echenique

13:00-14:30	Lunch
14:30-16:30	Symposium I · IUBMB Young Investigators Symposium · Room B

Chairpersons: Dr. Claudio Fader – Dr. Nicolás Blanco

14:30-15:00

Dr. Luciano Calderón

Instituto de Biología Agrícola de Mendoza (IBAM), CONICET-UNCUYO. Mendoza, Argentina.

Somatic mutations as drivers of clonal diversity in cultivated grapevines: insights from cultivars malbec and Listan Prieto

15:00-15:30

Dra. Natalia Andrea Marchese

Centro de Investigaciones en Química Biológica de Córdoba (CIQUIBIC), CONICET-UNC. Córdoba, Argentina.

Blue light compromises cellular fate of intrinsically photosensitive Müller glial cells in the developing chicken retina

15:30-16:00

Dra. Victoria Rozés Salvador

Departamento de Bioquímica Clínica, Facultad de Ciencias Químicas, CIBICI-CONICET-UNC. Córdoba, Argentina.

CREB3L1 as a regulator of neuronal homeostasis: integrating mitochondrial bioenergetics, cytoskeletal remodeling, and primary cilia dynamics

16:00-16:30

Dra. Victoria Andrea Vitali

Instituto de Química y Fisicoquímica Biológica (IQUIFIB), CONICET, Universidad de Buenos Aires. Buenos Aires, Argentina.

From sequence networks to in vivo validation: deciphering functional divergence in MIP channels through AI and gene editing.

14:30-16:30	Symposium II · Signal Transduction · Room A

Chairpersons: Omar Coso – Fernanda Ledda

14:30-15:10

Federico Monczor

Laboratorio de Farmacología de Receptores. Instituto de Investigaciones Farmacológicas, UBA-CONICET. Facultad de Farmacia y Bioquímica, UBA.

INSIGHTS ON GLUCOCORTICOID RECEPTOR REGULATION BY GPCR SIGNALING. FROM MECHANISM TO THERAPY.

15:10-15:50

Albana Gattelli

CONICET-Universidad de Buenos Aires, Instituto de Fisiología, Biología Molecular y Neurociencias (IFIBYNE), Buenos Aires, Argentina. Universidad de Buenos Aires (UBA), Facultad de Ciencias Exactas y Naturales (FCEN), Buenos Aires, Argentina.

RTK SIGNALING AT THE TUMOR-MICROENVIRONMENT INTERFACE IN BREAST CANCER

15:50-16:30

Rafael J. Argüello

Aix Marseille Université, CNRS, INSERM, Centre d'Immunologie de Marseille-Luminy (CIML), Marseille, France.

EPIC-SCENITH: LINKING FUNCTIONAL METABOLIC STATES TO CHROMATIN LANDSCAPES

16:30-17:00	Coffee break

17:00-19:00	Oral Communications · Room A · Microbiology + Signal Transduction + Biotechnology + Neurosciences

Chairpersons: Bárbara Pérez Mora – María Alejandra Mussi – Omar Coso

Microbiology

MI-01

TWO MERCURY RESISTANCE LOCI FROM A MULTI-RESISTANT PLASMID PROVIDES BROAD-SPECTRUM MERCURY DETOXIFICATION TO SALMONELLA AND AN ENVIRONMENTAL HOST, Brovedan MA, Trumper M, Peña-Buitrago S, Soncini F and Checa S, IBR-CONICET, UNR, Rosario, Santa Fe, Argentina.

MI-02

RECOMBINATION-DRIVEN CAPSULE SWITCHING IS ASSOCIATED WITH DISSEMINATION OF LOCALLY EMERGED CARBAPENEMASE-PRODUCING K. PNEUMONIAE ST258 EXHIBITING ENHANCED VIRULENCE POTENTIAL, Morandini FN1, Lipari FG2, Irrazabal MG3, Ruiz SE4, Peirano MR1, Cordoba CPE study group1, Amezcua Vesely MC1 and Saka HA1, 1Dpto. Bioq. Clínica, Fac. de Cs. Químicas, Universidad Nacional de Córdoba, CIBICI-CONICET, Córdoba, Argentina. 2Facultad de Ciencias Médicas, Universidad Nacional de Córdoba, Córdoba, Argentina, 3Facultad de Ciencias Agropecuarias, Universidad Católica de Córdoba, Córdoba, Argentina, 4Facultad de Ciencias de la Salud, Universidad Católica de Córdoba, Córdoba, Argentina.

MI-03

DAILY AND CIRCADIAN RHYTHMS CONTROL TRANSITIONS BETWEEN MOTILITY AND BIOFILM FORMATION IN ACINETOBACTER BAUMANNII, Permingeat V[1], Braccialarghe T[1], Abadie V[1], Giordano R[1], Pérez Mora B[1], Serra D[2], Migliori ML[3], Golombek D4, Mussi MA[1], [1]Center for Photosynthetic and Biochemical Studies of Rosario (CEFOBI, CONICET-UNR), [2]Institute of Cellular and Molecular Biology of Rosario (IBR, CONICET-UNR), [3]Department of Science and Technology, National University of Quilmes, 4Interdisciplinary Time Laboratory (LITERA), University of San Andrés/CONICET, Victoria, Argentina.

MI-04

THE GPOA GLUTATHIONE PEROXIDASE IS INVOLVED IN OXIDATIVE STRESS RESISTANCE, INTRACELLULAR SURVIVAL, ANTIBIOTIC PERSISTENCE, AND VIRULENCE IN STREPTOCOCCUS PNEUMONIAE, Zappia VE, Hernández-Morfa M , Raya-Plasencia L, Olivero NB, Cortes, P, Echenique J, Centro de Investigaciones en Bioquímica Clínica e Inmunología (CIBICI-CONICET).

MI-05

INFECTION-ASSOCIATED FACTOR A (iafA): A NOVEL PERIPLASMIC PROTEIN INVOLVED IN THE INFECTIVE CYCLE OF BRUCELLA ABORTUS, Ríos N, Marchesini MI, Comerci DJ, Instituto de Investigaciones Biotecnológicas (IIBIO), Universidad Nacional de San Martín (UNSAM)-CONICET, Escuela de Bio y Nanotecnologías (EByN), San Martín, Buenos Aires, Argentina.

Signal Transduction

TS-01

ARGININE COORDINATES THE ACTIVATION OF THE TOR AND THE p62-KEAP1-NRF2 AXIS IN ECHINOCOCCUS GRANULOSUS Blanco S1, Lausero L1, Habiague E1, Foresi N 2 Cumino A1,3 1BIPaM-IIPROSAM, Facultad de Ciencias Exactas y Naturales, Universidad Nacional de Mar del Plata. 2 IIB-Conicet. 3Departamento de Química y Bioquímica, Universidad Nacional de Mar del Plata.

TS-02

REGULATION OF THE TRANSITION FROM THE LATENT TO THE LYTIC PHASE OF THE KAPOSI'S SARCOMA-ASSOCIATED HERPESVIRUS (KSHV/HHV-8) LIFE CYCLE MEDIATED BY RAC1 mRNA VARIANTS Montani M1,2, Montero AL1, Salaberry P1, Nápoli V1,2, Naipauer J1,2, Coso O1,2 1Instituto de Fisiología, Biología Molecular y Neurociencias (IFIByNE) – Universidad de Buenos Aires / CONICET 2University of Miami-Centre for AIDS Research/Sylvester Cancer Comprehensive Center Argentina Consortium for Research and Training in Virally Induced AIDS-Malignancies, University of Miami Miller School of Medicine, Miami, FL, United States

Biotechnology

BT-01

RECOMBINANT IMMUNOTOXIN BASED ON VIBRIO CHOLERAE CYTOLYSIN: TARGETING HER2 POSITIVE BREAST CANCER CELLS, DESIGN AND IN VITRO EVALUATION

Ochoa DE1, Amaranto M2, Pedro MP1, Barra JL2, Saka HA1, Bocco JL1

1 Centro de Investigaciones en Bioquímica Clínica e Inmunología (CIBICI-CONICET-UNC), Departamento de Bioquímica Clínica, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba (UNC); 2 Centro de Investigaciones en Química Biológica de Córdoba (CIQUIBIC-CONICET), Departamento de Química Biológica Ranwel Caputto, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba (UNC).

BT-02

DEVELOPMENT OF COMPETITIVE ENZYME-LINKED IMMUNOSORBENT ASSAYS FOR THE DETECTION OF EQUINE CHORIONIC GONADOTROPIN

Buey J1,2, Vieito AS1,2, Cerutti ML1,2, Castillo DS1,2

1 Instituto de Investigaciones Biotecnológicas, Universidad Nacional de San Martín (UNSAM)-CONICET; 2 Escuela de Bio y Nanotecnologías (EByN), Universidad Nacional de San Martín (UNSAM).

Neurosciences

NS-01

SINGLE-PARTICLE PROFILING OF EXTRACELLULAR VESICLES IN ALZHEIMER'S DISEASE USING STED NANOSCOPY AND SP-IRIS

Guendulain GG1,5, Tecco Ruiz M1, Bravo Miana R2, Remedi M1,5, Mas C3,5, Gómez MV1,5, Morelli L4,5, Cáceres A1,5, Otaegui D2, Moyano AL1,5

1 Centro de Investigación en Medicina Traslacional (CIMETSA), Instituto Universitario de Ciencias Biomédicas de Córdoba (IUCBC)-CONICET, Córdoba, Argentina; 2 Instituto de Investigación Sanitaria de Biogipuzkoa (IIS), Gipuzkoa, España; 3 Centro de Micro y Nanoscopía de Córdoba (CEMINCO), Córdoba, Argentina; 4 Laboratory of Brain Aging and Neurodegeneration, Fundación Instituto Leloir, IIBBA-CONICET, Buenos Aires, Argentina; 5 CONICET, Argentina.

NS-02

SELECTIVE PLD1 INHIBITION AS A NEUROPROTECTION STRATEGY IN EX VIVO PORCINE NEURORETINAL EXPLANTS

Echevarría MS1,2,3, García-Ferrer Y3,4, Fernández-Bueno I3,4, Mateos MV1,2

1 Instituto de Investigaciones Bioquímicas de Bahía Blanca (INIBIBB-CONICET); 2 Depto. de Biología, Bioquímica y Farmacia (DBByF), Universidad Nacional del Sur (UNS), Bahía Blanca, Argentina; 3 Unidad de Excelencia del Instituto Universitario de Oftalmobiología Aplicada (IOBA), Universidad de Valladolid, Valladolid, Spain; 4 Departamento de Cirugía, Oftalmología, Otorrinolaringología y Fisioterapia, Universidad de Valladolid, Valladolid, Spain.

17:00-19:00 | **Oral Communications · Room B · Cell Biology**

Chairpersons: Gastón Bisig – Mauricio Martin

Cell Biology

BC-01

THE ROLE OF JUVENILE HORMONE IN THE INTEGRATION OF REPRODUCTION AND IMMUNITY IN RHODNIUS PROLIXUS, A CHAGAS DISEASE VECTOR, Dragonetti MC1, Paglione PA1, Fruttero LL1, Canavoso LE1, Leyria J1, 1Departamento de Bioquímica Clínica, Facultad de Ciencias Químicas / Centro de Investigaciones en Bioquímica Clínica e Inmunología (CIBICI-CONICET), UNC, Córdoba, Argentina.

BC-02

“TurboID” PROXIMITY LABELLING UNCOVERS TcHMGB CHROMATIN COMPLEXES BEHIND A DISTINCT TRANSCRIPTIONAL LANDSCAPE IN TRYPANOSOMA CRUZI, de Hernández MA1, Vernetti Tauil A1,2, Rodríguez Araya E1,2 ,Cribb P1,2, 1Instituto de Biología Molecular y Celular de Rosario (IBR-CONICET-UNR); 2 Area Parasitología, Facultad de Ciencias Bioquímicas y Farmacéuticas (FBioyF-UNR), Rosario, Argentina.

BC-03

SPATIO-TEMPORAL TRACKING OF CAV1-EARLY ENDOSOMES UNCOVERS A SIGNALING-SORTING PLATFORM FOR TGF-β RECEPTORS, Bourbotte Asensio J1, Bradke F2, Conde C1,3, 1 Instituto de Investigación Médica Mercedes y Martín Ferreyra (INIMEC-UNC-CONICET). 2 Deutsches Zentrum für Neurodegenerative Erkrankungen (DZNE. Bonn. Germany)

BC-04

EVALUATION OF THE BIODISTRIBUTION AND SAFETY OF PEG-COATED MAGNETIC NANOPARTICLES IN A MURINE BREAST CANCER MODEL, Tiburzi S1,2, Principe G1,2, Lezcano V1,2, Bruzzone A3, María May4, Miravalles A1, Montiel Schneider G5,6, Sives F7, Sánchez FH7, García BN1,8, Lassalle V5,6, González-Pardo V1,2. 1Departamento de Biología, Bioquímica y Farmacia, Universidad Nacional del Sur (UNS), Bahía Blanca, Argentina; 2Instituto de Ciencias Biológicas y Biomédicas del Sur (INBIOSUR), UNS-Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Bahía Blanca, Argentina;3Instituto de Investigaciones Bioquímicas de Bahía Blanca (INIBIBB), CONICET-Universidad Nacional del Sur, Bahía Blanca, Argentina;4Hospital de san Isidro, Buenos Aires, Argentina; 5Departamento de Química, UNS, Bahía Blanca, Argentina; 6Instituto de Química del Sur (INQUISUR), UNS-CONICET, Bahía Blanca, Argentina; 7Instituto de Física La Plata (IFLP), UNLP-CONICET, La Plata, Argentina;8Bioquímica Austral, Laboratorio de Análisis Clínicos y Gestión, Bahía Blanca, Argentina

BC-05

THE PLANT UREASE "JACK BEAN UREASE" TRIGGERS A CELLULAR IMMUNE RESPONSE IN THE INSECT VECTOR RHODNIUS PROLIXUS (HEMIPTERA: REDUVIIDAE), Paglione PA1,2, Rojas M1,2, Leyria J1,2, Angiolini SC1,2, Sotomayor CE1,2, Canavoso LE1,2, Fruttero LL1,2, 1Departamento de Bioquímica Clínica, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba. 2Centro de Investigaciones en Bioquímica Clínica e Inmunología (CIBICI), Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICET).

BC-06

MEETING SECRETORY DEMANDS: GOLGI ADAPTATION DURING TROPHOBLAST DIFFERENTIATION, Hisse E1, Singh A2, Funes-Chabán M1, Rozés-Salvador V1, Cejas-Gallardo ZM1, Polishchuk E3, Polishchuk R3, Guardia CM2, Racca AC1, Alvarez C1 , 1Dpto. de Bioquímica Clínica, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba (FCQ-UNC), CIBICI-CONICET; 2National Institute of Environmental Health Sciences, National Institutes of Health (NIEHS-NIH); 3Telethon Institute of Genetics and Medicine (TIGEM)

BC-07

EVIDENCE FOR A β-GALACTOSYLATION MACHINERY IN THE CELL NUCLEUS, Parodi P, Irazoqui FJ, Departmento de Química Biológica Ranwel Caputto, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, Argentina

BC-08

DROSOPHILA LYSOSOMAL MEMBRANE PROTEINS REGULATE THE ORGANIZATION OF THE ENDOMEMBRANE SYSTEM, Valinoti J 1,2, Suárez-Freire S 1,2,3, Fresco SM 1,2,3, Wappner P 1,2,3, Melani M 1,2,3, 1Laboratorio de Genética y Fisiología Molecular (Fundación Instituto Leloir), 2Departamento de Fisiología y Biología Molecular y Celular (FCEN-UBA) e 3Instituto de Investigaciones Bioquímicas de Buenos Aires (CONICET).

BC-09

14-3-3γ IS REQUIRED FOR NORMAL CELL CYCLE PROGRESSION IN 3T3-L1 CELLS, Piniella B1, Müller S1, Aguilera JN1, Bustos DM1,2, Uhart M1, 1Instituto de Histología y Embriología de Mendoza (IHEM), CONICET-Universidad Nacional de Cuyo y 2Facultad de Ciencias Exactas y Naturales (FCEN), UNCUYO, Mendoza, Argentina.

19:00-21:00	**Exhibition Stands Visit + Welcome Cocktail**
21:00	**Dinner**

TUESDAY · NOVEMBER 3

08:00-09:30	**Oral Communications · Room A · Plants**

Chairpersons: Dr. Nicolás Cecchini – Dra. María Inés Zanor – Dr. Damián Cambiagno

Plants

PL-01

CONTROL OF ORGAN SIZE BY TAS3A, Lazzara FE1, Beltramino M1, Ferela A 1, Maizel A 2, Palatnik JF1, 1Instituto de Biología Molecular y Celular de Rosario (IBR), Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET) and Universidad Nacional de Rosario (UNR), Rosario, Santa Fe, 2000, Argentina. y 2Center for Organismal Studies (COS), University of Heidelberg, Im Neuenheimer Feld 230, D-69120 Heidelberg, Germany.

PL-02

TO GROW OR NOT TO GROW: FROM GROWTH DECISIONS TO GROWTH EXECUTION
Cermesoni C[1], Del Valle I[1], Grecco HE[3], Petrillo E[1], Ricardi MM[1,2]
[1] Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Fisiología y Biología Molecular y Celular, Instituto de Fisiología, Biología Molecular y Neurociencias (IFIBYNE), CONICET–UBA, Buenos Aires, Argentina.[2] Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Fisiología y Biología Molecular y Celular, Buenos Aires, Argentina.[3] Universidad de Buenos Aires, Facultad de Ciencias Exactas y Naturales, Departamento de Física, e Instituto de Física de Buenos Aires (IFIBA), CONICET–UBA, Buenos Aires, Argentina.

PL-03

ROLE OF THE CLASS II PROTEIN TPS8 IN THE REGULATION OF SNRK1.1 KINASE SPATIOTEMPORAL DYNAMICS IN ARABIDOPSIS THALIANA, Asenia, F1, Brugnara, C1, Berghella, MC1, Bultri, JG1, Aguilar Lucero, DA1, Blanco, NE1, 1Centre of Photosynthetic and Biochemical Studies (CEFOBI-CONICET), Faculty of Biochemical Science and Pharmacy, Rosario National University, S2002LRK Rosario, Argentina.

PL-04

EXPLORING THE ROLE OF THE SNRK1.1-FLZ13 INTERACTION UNDER ENERGY-DEPLETING CONDITIONS, Brugnara C1, Aguilar Lucero DA1, Blanco NE1,1Centre of Photosynthetic and Biochemical Studies (CEFOBI-CONICET), Faculty of Biochemical Science and Pharmacy, Rosario National University, S2002LRK Rosario, Argentina.

PL-05

THE SNRK2.1 MUTANT UNCOVERS REGULATORY LINKS BETWEEN NUTRIENT STATUS, TOR KINASE, AND PSR1 SIGNALING IN CHLAMYDOMONAS REINHARDTII, De Marco MA1, Lando AP1, Sánchez AO1, Arce DP2, Curatti L1, Martínez-Noël GMA1, 1 INBIOTEC and FIBA, Vieytes 3103, Mar del Plata, Argentina2 Facultad Regional San Nicolás Universidad Tecnológica Nacional, Colon 332, San Nicolas, Argentina

PL-06

FROM SMALLER LEAVES TO HIGHER PERFORMANCE: THYLAKOID PHOTOCHEMISTRY IN Ln SOYBEAN ISOLINES, Gómez RL1, Bianchi J2, Lodeyro A1, 1Instituto de Biología Molecular y Celular de Rosario (IBR, CONICET-UNR), Rosario, Santa Fe, Argentina. 2Instituto de Investigaciones en Ciencias Agrarias de Rosario (IICAR, CONICET-UNR), Zavalla, Santa Fe, Argentina.

PL-07

A MATTER OF REPAIR: CW-MBD PROTEINS AND GENOTOXIC DNA DAMAGE, Amelong D1, Giustozzi M2, Falcone Ferreyra ML1, Qüesta J2, Casati P1,1 Centro de Estudios Fotosintéticos y Bioquímicos - CEFOBI (CONICET-UNR), 2Centro de Investigación en Agrigenómica, Barcelona, España.

PL-08

DECODING THE ROLE OF ALARMONE AS A RETROGRADE SIGNAL ON THE REGULATION OF IMMUNE RESPONSES IN ARABIDOPSIS THALIANA, Aballay FE1, León Sanchez IJ2, Rodriguez FSl1, Benelli C2, Scuffi D3, García-Mata C3, Mary VS4, T4, Tognacca RS1, Field B5, Cecchini NM2, Petrillo E1, 1Instituto de Fisiología, Biología Molecular y Neurociencias (IFIBYNE), CONICET-Universidad de Buenos Aires, Buenos Aires, Argentina, 2CONICET, Universidad Nacional de Córdoba, Centro de Investigaciones en Química Biológica de Córdoba (CIQUIBIC), Córdoba, Argentina, 3Instituto de Investigaciones Biológicas (IIB), CONICET - Universidad Nacional de Mar del Plata, Mar del Plata, Argentina, 4Centro de Investigaciones en Bioquímica Clínica e Inmunología (CIBICI)-(CONICET-UNC), Córdoba, Argentina, 5Aix Marseille University, CEA, CNRS, BIAM, LGBP Team, Marseille, France.

PL-09

REVISITING SALICYLIC ACID IN Botrytis cinerea INFECTION: FROM PLANT DEFENSE TO PATHOGEN DRIVEN METABOLISM, Herrera-Vásquez A1; Donaire-Guerra A1; Hoppe, G1; Blanco-Herrera F1; Canessa P1,1Centro de Biotecnología Vegetal, Universidad Andres Bello. Santiago – Chile.

08:00-09:30 Oral Communications · Room B · Lipids

Chairpersons: Dra. Florencia Santiago Valtierra – Dra. Edith del Valle Guaytima

Lipids

LI-01

UNRAVELING THE INTERPLAY BETWEEN FERROPTOSIS AND STEROIDOGENESIS IN LEYDIG CELLS, Benzo Y 1,2, Dattilo MA1,2, Raggio MA1,2, Lopez PF 1,2, Ferrer Viñals D 2, Theas MS 2,3, Poderoso C1,2, Maloberti PM 1,2,, 1Universidad de Buenos Aires, Facultad de Medicina, Departamento de Bioquímica Humana; 2CONICET – Universidad de Buenos Aires, Instituto de Investigaciones Biomédicas (INBIOMED) y 3Universidad de Buenos Aires, Facultad de Medicina, Unidad Académica de Embriología.

LI-02

EFFECTS OF RETINOIC ACID AND DOCOSAHEXAENOIC ACID ON LIPID PROFILE, ENDOCRINE FUNCTION, AND TRANSCRIPTIONAL RESPONSES DURING EX VIVO SPERMATOGENESIS, Sánchez Chaves MA, Tajes Ardanaz OJ, Blazquez AC, Luquez JM, Oresti GM, INIBIBB, CONICET-UNS and Department of Biology, Biochemistry and Pharmacy, UNS, Bahía Blanca, Argentina.

LI-03

UNSATURATED FATTY ACIDS ARE REQUIRED FOR MALE FERTILITY IN CAENORHABDITIS ELEGANS, Sambrailo A1, Mansilla MC1, Colaiacovo M2, de Mendoza D1, 1Instituto de Biología Molecular y Celular de Rosario (IBR-CONICET) y 2Department of Genetics, Harvard Medical School.

LI-04

PLA2 AND PUFA-DERIVED OXYLIPINS IN RENAL EPITHELIAL RESTITUTION FOLLOWING CALCIUM OXALATE INJURY, Sendyk DE1-2, Salafia AF1-2, Diniz L 3-4, Parra LG 1-2, Fernández MC 1-2, Miyamoto S3-4& Casali CI 1-2, 1Universidad de Buenos Aires, Facultad de Farmacia y Bioquímica, Biología Celular y Molecular. Buenos Aires, Argentina, 2IQUIFIB- Instituto Dr. Alejandro Paladini - UBA-CONICET. Buenos Aires, Argentina, 3 Department of Biochemistry, Institute of Chemistry, University of São Paulo, São Paulo, Brazil y 4 Center of Metabolism (CoMETA), University Hospital, University of São Paulo, São Paulo, Brazil.

LI-05

SPHINGOMYELINASES IN THE DEDIFFERENTIATION AND EPITHELIAL-MESENCHYMAL TRANSITION (EMT) OF RENAL EPITHELIAL CELLS, Loiácono G, Rodriguez A, Blaustein A, Pescio LG, Favale NO, Universidad de Buenos Aires, Facultad de Farmacia y Bioquímica, IQUIFIB-CONICET, Argentina.

LI-06

CANNABIDIOL REVERSES INFLAMMATION-INDUCED DISRUPTION OF ASTROCYTIC CHOLESTEROL TRAFFICKING, Martini JM, Martin MG, Instituto de Investigación Médica Mercedes y Martín Ferreyra (INIMEC-CONICET-UNC).

09:30-11:00	Sols Lecture

Dr. Antonio Zorzano

Universitat de Barcelona, IRB Barcelona, CIBERDEM.

MITOCHONDRIAL DYNAMICS AND ENERGY HOMEOSTASIS

Chairperson: Dra. Gabriela Salvador

11:00-11:30	Coffee break

11:30-13:30	Symposium III · Microbiology · Room A

Chairpersons: Dra. María Alejandra Mussi – Dr. Federico Sisti

11:30-12:00

Dodd Antony

John Innes Centre, Norwich, UK.

Circadian regulation in Bacillus subtilis

12:00-12:30

Gisela Di Venanzio

Washington University School of Medicine in St. Louis; Goethe University Frankfurt.

Immunity against conjugative plasmid limits the dissemination of antibiotic resistance in Acinetobacter baumannii

12:30-13:00

Fernández, Julieta

Instituto de Biotecnología y Biología Molecular (IBBM)-CCT-CONICET-La Plata, Departamento de Ciencias Biológicas, Facultad de Ciencias Exactas, Universidad Nacional de La Plata, La Plata, Buenos Aires, Argentina.

The second messenger c-di-GMP in Bordetella

13:00-13:30

Mariela Monti

CIBICI-CONICET; CIQUIBIC-CONICET; Texas Tech University Health Sciences Center; CIMETSA-CONICET; Oklahoma Medical Research Foundation (OMRF).

DNA Polymerase IV drives genome evolution in Pseudomonas aeruginosa: from molecular mechanisms to anti-evolution strategies

11:30-13:30	Symposium IV · Cell Biology · Room B

Chairpersons: Dr. Gastón Bisig – Dr. Mauricio Martin

11:30-12:00

Dra. Carolina Pérez Castro

IBIOBA-CONICET. Buenos Aires, Argentina.

Epigenetic Cofactor KANSL2 Regulates Glioblastoma Cell Plasticity and Tumorigenicity

12:00-12:30

Dra. Fernanda Ledda

Fundación Instituto Leloir. Buenos Aires, Argentina.

Ligand-Induced Trans-synaptic Adhesion: From Molecular Mechanisms to Hippocampal Plasticity and Connectivity

12:30-13:00

Dr. Pablo Hector Lopezula

CIQUIBIC-Universidad Nacional de Córdoba. Córdoba, Argentina.

Beyond Electrical Insulation: Axon-Myelin Communication in Neurodevelopment and Neurodegeneration

13:00-13:30

Dra. María Elena Avale

INGEBI-CONICET. Buenos Aires, Argentina.

Modulating Tau contents in Neurons: Functional consequences and Therapeutic Strategies

13:30-15:00	Lunch

15:00-17:00	Symposium V · Lipids · Room B

Chairpersons: Dra. Cecilia I. Casali – Dra. Natalia Alza

15:00-15:30

Dr. Andrés Ezequiel Trostchansky Vasconcellos

Departamento de Bioquímica, CEINBIO y Programa de Alimentos y Salud Humana (PAyS), Facultad de Medicina, Universidad de la República, Montevideo, Uruguay.

The intersection of nitro-oxidative stress and inflammation: regulation of the cyclooxygenase pathway by nitrated lipids

15:30-16:00

Dra. Melina Valeria Mateos

Lipid and Signal Transduction Laboratory, INIBIBB-CONICET; Departamento de Biología, Bioquímica y Farmacia, Universidad Nacional del Sur, Bahía Blanca, Argentina.

Targeting phospholipase D-derived lipid mediators in retinal inflammatory response and degeneration: toward novel therapeutic strategies

16:00-16:30

Dra. Paula Mariana Maloberti

Universidad de Buenos Aires, Facultad de Medicina, Departamento de Bioquímica Humana; INBIOMED, CONICET-UBA, Buenos Aires, Argentina.

From fatty acid metabolism to tumor progression: the role of acyl-CoA synthetase 4

16:30-17:00

Dra. Ana Arabolaza

Laboratorio de Fisiología y Genética de Actinomycetes (IBR-CONICET-UNR).

Rewiring Escherichia coli metabolism for the biosynthesis of novel lipids

15:00-17:00	Symposium VI · PABMB Plants Symposium (Pan American Association for Biochemistry and Molecular Biology) · Room A

Chairpersons: Dra Noelia Foresi – Dra. Anabella Ladeyro

15:00-15:30

Dra. Ana Maria Laxalt

Instituto de Investigaciones Biológicas, Facultad de Cs. Exactas y Naturales (IIB-CONICET-UNMdP).

Genome editing reveals isoform-specific roles of tomato phospholipase c genes in plant immunity

15:30-16:00

Dra. Daniela Sueldo

Department of Biology, Norwegian University of Science and Technology, Trondheim, Norway.

Following the fluorine: per- and polyfluoroakyl substances (pfas) accumulation and toxicity in Arabidopsis

16:00-16:30

Dr. Felipe Klein Ricachenevsky

Departamento de Botânica, Instituto de Biociências; Centro de Biotecnologia; Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil.

The long and winding road: uncovering the plant ionome for food biofortification

16:30-17:00

Dra. Francisca Blanco-Herrera

Centro de Biotecnología Vegetal, Universidad Andrés Bello; CITAGRO; Millennium Institute for Integrative Biology (iBio), Santiago, Chile.

From natural variation to molecular resistance: gwas, cell walls, and aphids in Arabidopsis

17:00-18:30	**IUBMB Lecture**

Dr. Vladimir Parpura

International Translational Neuroscience Research Institute, Zhejiang Chinese Medical University, Hangzhou, P.R. China.

ASTROCYTES RELEASE GLUTAMATE BY REGULATED EXOCYTOSIS IN HEALTH AND MALIGNANCY

Chairperson: Dr. Mario E. Guido

18:30-20:30	**Posters & Beer · Hall B**

Microbiology · Signal Transduction · Cell Biology · Biotechnology · Neurosciences

20:30-21:30	**General Assembly**
21:30	**Dinner**

WEDNESDAY · NOVEMBER 4

08:00-10:00	**Posters & Coffee**

Plants · Lipids · Structural Biology

10:00-11:30	**Plenary Lecture**

Dr. Javier Martínez

Max Perutz Labs, Medical University of Vienna, Vienna BioCenter (VBC), Dr. Bohr-Gasse 9/2, 1030 Vienna, Austria.

ASHWIN AND FAM98 PARALOGS DEFINE NUCLEAR AND CYTOPLASMIC RNA LIGASE COMPLEXES FOR tRNA BIOGENESIS

Chairperson: Dra. Laura Delgui

11:30-13:00	**“Héctor Torres” Plenary Lecture**

Dra. Gabriela Pagnussat

Instituto de Investigaciones Biológicas CONICET-UNMdP, Funes 3250 cuarto nivel, 7600 Mar del Plata, Argentina.

FROM BASIC DISCOVERY TO CROP PROTECTION: PLANT FERROPTOSIS AND THE PATH TOWARD A TECHNOLOGY-BASED COMPANY

Chairperson: Dra. María Elena Alvarez

13:00-14:00	**Awards and Closing Ceremony**
14:00-15:00	**Farewell Lunch**

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