



SAIB

Sociedad Argentina de
Investigaciones en Bioquímica
y Biología Molecular



**CONGRESO
SAIB 2023**

CRONOGRAMA DE
COMUNICACIONES ORALES
**ORAL COMMUNICATIONS
SCHEDULE**

LIX ED.

ORAL COMMUNICATIONS- Wednesday, November 15th

PLANTS

Room TBD | Chairpersons: Lucila García – Corina Fusari

8:30 PL-01

Role of AtMED17 under light and dark conditions

Giustozzi, M.; Freytes, S.; Cerdán, P.; Casati, P.

8:45 PL-02

Redesigning of photosystem I for optimizing photosynthesis/protection balance

Bultri, J.; Brugnara, C.; Miño, J. J.; Abraham, M.; Lobais, C.; Blanco, N.E.

9.00 PL-03

Insights on how light regulates alternative polyadenylation in plants

Kubaczka, M.G.; Godoy Herz, M.A.; Chen, J.; Tian, B.; Kornblihtt, A.R.

9:15 PL-04

Natural variation for flower and seed abortion in fluctuating environments

Petrelí, M.V.; Herrera, C.; Segatto, L.; Blanco, N.; Fusari, C.M.

9:30 PL-05

Deciphering molecular determinants of the high levels of storage proteins and oil in the soybean seeds

Zucchetti, J.I.; Pavlovic, T.; Saenz, E.; Borrás, L.; Saigo, M.; Gerrard Wheeler, M.C.

9:45 PL-06

Optimization of high molecular weight DNA isolation and Oxford Nanopore sequencing in non-model trees

Gaischuk, S.; Leduque, B.; Servi, L.; Bermudez Salazar, L.F.; Petrillo, E.; Quadrana, L.; Bellora, N.; Arana, M.V.

ORAL COMMUNICATIONS- Wednesday, November 15th

SIGNAL TRANSDUCTION - NEUROSCIENCES

Room TBD | Chairpersons: Diego Bustos - Graciela Boccaccio

8:30 ST-O1

Autophagy proteins are required for regulated exocytosis in *Drosophila melanogaster*

Fresco, S.M.; Suárez-Freire, S.; Wappner, P.; Melani, M.

8:45 ST-O2

The β CSP-Hsc70 complex in human spermatozoa: a key player in acrosomal exocytosis

Flores Montero, K.; Durán, N.; Fontecilla, J.; Ruete, M.C.

9:00 ST-O3

Modulation of oncogenic P53 mutants stability through drug repurposing

Cocordano, N.; Borini Etichetti, C.M.; Llorens de los ríos, M.C.; Arel Zalazar, E.E.; Soria, G.; Girardini, J.E.

9:15 ST-O4

Role of the transmembrane connector in Ire1 signaling

Cybulski, L.; Almada, J.C.; Bortolotti, A.; Colman- Lerner, A.; Dunayevich, P.,

9:30 ST-O5

G protein-coupled receptors in the regulation of stem cell fate decisions

Pedro, P.; Salinas Parra, N.; Lund, K.; Iglesias-Bartolome, R.

9:45 NS-01

Characterization of bioactive extracellular vesicles secreted by human cells

Guendulain, G.G.; Gastaldi, L.; Remedi, M.; Cáceres, A.; Moyano, A.L.

10:00 NS-02

A novel player in neuronal primary cilia: the secretory pathway-associated transcription factor, CREB3L1

Rozés-Salvador, V.; Alvarez, C.

ORAL COMMUNICATIONS- Thursday, November 16th

MICROBIOLOGY

Room TBD | Chairpersons: Julieta Fernández

8:30

MI-01

Light modulation of phage infection in *Acinetobacter baumannii*

Arana, N.; Tomas, M.; Comité de Infecciones del Hospital Provincial del Centenario; Mussi, M.A.

8:45

MI-02

Antifungal activity and phytotoxicity of the ternary complex of copper(II) with cyanoguanidine and 1,10-phenanthroline

Guevara, L.E.; Martínez Medina, J.J.

9.00

MI-03

Physiological role and structural characterization of MabR a transcriptional regulator of mycolic acid biosynthesis pathway of *Mycobacterium tuberculosis*

Coronel Cappellari, C.; Diacovich, L.; Gramajo, H.

9:15

MI-04

Chronobiology in chemotrophic human pathogen *Acinetobacter baumannii*

Permingeat, V.; Perez Mora, B.I.; Lamberti, M.L.; Migliori, M.L.; Golombek, D.A.; Mussi, M. A.

9:30

MI-05

Identification of antimicrobial resistance genes in dairy farm soils through shotgun sequencing

Ceroli, M.F.; Moliva, M.; Sambuceti, N.; Raviolo, J.; Sánchez-Pérez, M.; Caminati, F.; Rosenblueth Laguette, M.T.; Reinoso, E.B.

9:45

MI-06

Development of active bivalent vaccines against enteropathogenic strains.

Ballesteros, M.F.; López, F.E.; Pescaretti, M.M.; Delgado, M.A.

ORAL COMMUNICATIONS- Thursday, November 16th

10:00

MI-07

In Vitro Leishmanicidal activity and synergy of known drugs against *Leishmania (Leishmania) amazonensis*: a promising drug repurposing strategy

Araoz, E.N.; Minahk, C.J.; Pérez-Brandán, C.M.; Acuña, L.; Barraza, D.E.

10:15

MI-08

Contribution of fresh river water to the dissemination of hospital-associated *Enterococcus faecium* CC17 strains in Córdoba

Blasko, E.G.; González, M.J.; Bardossy, A.C.; Sosa, E.J.; Prentiss, T.; Suleyman, G.; Jagjeet, K.; Maki, G.; Ruiz, S.E.; Grupo de Estudio de colonización por VRE de CBA; Fernández Do Porto, D.; Bocco, J.L.; Saka, H.A.; Amé, V.; Zervos, M.; Sola, C.

LIPIDS

Room TBD | Chairpersons: Cecilia Casali - Ana Arabolaza

8:30

LI-01

The balance between sphingolipids and phosphoinositides as a driving factor in epithelial cell differentiation

Pescio, L.G.; Mosca, J.M.; Favale, N.O.; Sterin-Speziale, N.B.

8:45

LI-02

Protective role of the phospholipase A2-cyclooxygenase 2-prostaglandin E2-EP2/4 receptor axis in the restitution of an oxalate-damaged renal epithelium.

Sendyk, D.E.; Erjavec, L.C.; Parra, L.G.; Bonino, M.; Flor, S.; Lucangioli, S.; Fernández, M. del C.; Casali, C. I.

9:00

LI-03

Deciphering the molecular mechanisms by which PtdCho induces neuronal differentiation of NSCs, and restores neuronal phenotype (morphological and functional) under stress conditions.

Magaquian, D.; Delgado Ocaña, S.; Banchio, C.

9:15

LI-04

Lomitapide does not affect liver tumor development in mice on a high-fat diet

Comanzo, C.G.; Vera, M.C.; Oviedo Bustos, L.; Palma, N.F.; Ferretti, A.C.; Ceballos, M.P.; Álvarez, M. de L.; Quiroga, A.D.

ORAL COMMUNICATIONS- Thursday, November 16th

9:30

LI-05

The Unfolding Protein Response modulates arachidonic acid metabolism under osmotic stress

Parra, L.; Erjavec, L.; Zerpa, A.; Sendyk, D.; Salafia, A.; Casali, C.; Fernández, M. del C.

9:45

LI-06

The HIF1- α and FASN overexpression by palmitic acid and fructose induced tumorigenesis in breast adenocarcinoma

Ferrero, V.; Mazo, T.; Barotto, N.N.; Don, J.A.; Moreira-Espinoza, M.J.; Yennerich, L.; Granton, F.; Mazzudulli, G.; Lagares, C.; Rodríguez, V.; Pasqualini, M. E.

10:00

LI-07

Expression and host-parasite communication studies of Echinococcus granulosus 2DBD nuclear receptors

Mozzo, B.; Blanco, V.; Alvite, G.

10:15

LI-08

Strategies for the production of neutral lipids enriched in medium-chain fatty acids

Pascutti, F.; Álvarez, H.M.; Arbolaza, A.; Gramajo, H.

ORAL COMMUNICATIONS- Friday, November 17th

CELLULAR BIOLOGY

Room TBD | Chairpersons: Claudia Banchio – Mauricio Martin

8:30

CB-01

Effects of genetic variants in guanine quadruplexes of RNA that impact the translation of human oncogenes

Bezzi, G.; Piga, E.; Binolfi, A.; Armas, P.

8:45

CB-02

Unleashed loading of specialized DNA polymerase PrimPol to replicating DNA increases genomic instability.

Mansilla, S.F.; Calzetta, N.L.*; Venerus Arbilla, S.; Okraine, Y.V.; Siri, S.O.; Caimi, L.; Abramovici Blasco, A.; Gottifredi, V., *equal collaboration.*

ORAL COMMUNICATIONS- Friday, November 17th

9:00 CB-03

The exocyst complex controls multiple events in the pathway of regulated exocytosis

Suárez Freire, S.; Pérez-Pandolfo, S.; Fresco, S.M.; Wappner, P.; Melani, M.

9:15 CB-04

Plasma membrane nanodomains disassembly increases yeast's lifespan

Salzman, V.; Bustamante Torres, M.; Pellizza, L.; Aran, M.; Aguilar, P.

9:30 CB-05

Hyaluronan metabolism is associated with DNA repair genes in breast and colorectal cancer

Sevic, I.; Vitale, D.; Moran, C.; Brandone, A.; Rosales, P.; Icardi, A.; Romano, L.; Giannoni, P.; Cristina, C.; Alaniz, L.

9:45 CB-06

Old drugs, new uses: new perspectives for the repositioning of chemotherapy drugs and modulators of the extracellular matrix in breast cancer treatment

Vitale, D.L.; Rosales, P.; Icardi, A.; Morán, C.; Sevic, I.; Alaniz, L.

10:00 CB-07

The liver X receptor interferes with estrogen receptor-dependent genomic regulation in breast cancer cells

Olszanowski, E.; Ogara, M.F.; Lafuente, A.; Nacht, A.S.; Benitez, B.; Rodríguez-Seguí, S.A.; Presman, D.; Vicent, G.P.; Pecci, A.

BIOTECHNOLOGY - ENZYMES - STRUCTURAL BIOLOGY

Room TBD | Chairpersons: TBD - TBD

8:30 BT-01

Antifungal activity and toxicological profile of the ternary complex of copper with the flavonoid chrysin including 1,10-phenanthroline as secondary ligand

Bogado, L.J.; Guevara, L.E.; López Tévez, L.L.

ORAL COMMUNICATIONS- Friday, November 17th

8:45

BT-02

Ten years since the introduction of bacterial glycoengineering technology in the diagnostic algorithm of Hemolytic Uremic Syndrome

Melli, L.; Landivar, S.M.; Miliwebsky, E.; Chinen, I.; Comerci, D.; Ugalde, J.E.; Ciocchini, A.

9.00

BT-03

Developing a sustainable enzymatic degumming process for vegetable oils using a consensus sequence-designed synthetic phospholipase C

Val, D.S.; Di Nardo, L.; Marchisio, F.; Gottig, N.; Peirú, S.; Castelli, M.E.; Abriata, L.; Menzella, H.G.; Rasia, R.M.

9:15

BT-04

Use of modified algae biomass as a protector against plant osmotic stress

Marchetti-Acosta, N.; Velazquez, M.B.; Barchiesi, J.; Busi, M.V.

9:30

BT-05

Bioprocess optimization of anti-native SARS-CoV-2 Spike S1 hybridomas

Acuña Intrieri, M.E.; Pelliza, L.; Arán, M.; Cerutti, M.L.

9:45

EN-01

Biological activity of a novel fibrinolytic enzyme secreted by *Hornodermoporus martius* LBM 224

Acosta, G.A.; Fonseca, M.I.; Fariña, J.I.; Zapata, P.D.

10:00

SB-01

Studying the mechanical unfolding and refolding mechanism of Top7 at the single molecule level at different temperatures

Corrêa, C.G.; Martínez Bilbao, J.; Mjaavatten, A.; Wilson, C.A.M.