



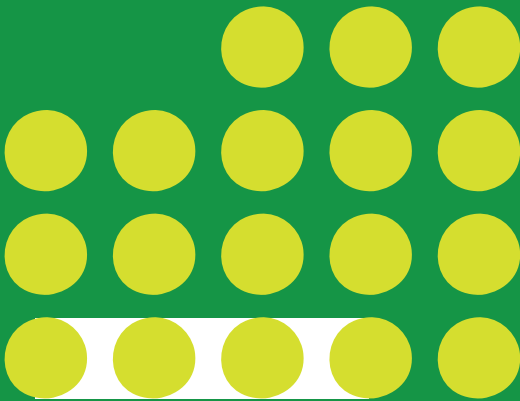
**CONGRESO
SAIB 2025**

EDICIÓN
61

**October 27th-30th, 2025
Pabellón Argentina | U.N.C.
Córdoba, Argentina.**

**SCIENCE
BRINGS US
CLOSER**

PROGRAM



Monday, October 27, 2025

10:30-12:15. Registration

12:15-14:30. Lunch Time

14:30-14:45. Opening Ceremony

Sala de las Américas

14:45-15:30. "IUBMB" Plenary Lecture

Sala de las Américas

Dr. Francisco J. Quintana

Ann Romney Center for Neurologic Diseases, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA. Gene Lay Institute for Inflammation and Immunology, Harvard Medical School, Boston, MA, USA. Broad Institute of MIT and Harvard, Cambridge, MA, USA.

"Regulation of the Immune Response in the Central Nervous System by Astrocytes"

Chairperson: Dr. Mario Guido

15:30-17:30. Young Investigators Symposia I

Sala de las Américas

Chairpersons: Dr. Laura Delgui –Dr. Claudio Fader Kaiser

15:30-16:00

Dr. Jimena Leyria

CIBICI, Córdoba.

"Neuroendocrine control of reproduction in *Rhodnius prolixus*, model organism and Chagas disease vector: insights into juvenile hormone modulation"

16:00-16:30

Dr. Rocío Tognacca

IFIBYNE, CABA.

"Splicing the way to germination: *RS31* and *DAG1* shape light responses in *Arabidopsis thaliana* seeds"

16:30-17:00

Dr. Matías Capella

IAL, Santa Fe.

"The segregase CDC48 integrates blue light and hormonal cues to regulate plant Development"

17:00-17:30

Dr. Andrés Cardozo

CIMETSA, Córdoba.

“Super-Resolution Insights into Chromatin Architecture in Neuronal Development”

17:30-18:00. Break

18:00-19:15. "Héctor Torres" Plenary Lecture

Sala de las Américas

Dra. Raquel Chan

Instituto de Agrobiotecnología del Litoral (IAL-CONICET-FBCB - UNL). **“Bridging the gap: overcoming challenges in applying transcription factor research from model systems to crop improvement in field environments”**

Chairperson: Dr. María Elena Alvarez

19:30-22:00. Welcome Cocktail

Hall Central

Tuesday, October 28, 2025

08:30-10:30. Oral Communications

Microbiology. Sala de las Américas

Lipids. Salón de Actos

10:30-11:00. Coffee-Break

11:00-12:15. "PABMB" Plenary Lecture

Sala de las Américas

Dr. Holger Sondermann.

CSSB Centre for Structural Systems Biology, Hamburg, Germany. Deutsches Elektronen-Synchrotron DESY, Hamburg, Germany. Christian-Albrechts University zu Kiel, Kiel, Germany.

"Dinucleases at the crossroads of bacterial signaling and RNA degradation"

Chairperson: Dr. Federico Sisti

12:15-13:15. Methodological advances Symposium

Sala de las Américas

Chairperson: Dr. Paula Casati

12:15-12:35

Daniela González

ETC Internacional

"Seeing Biology in 5D. Element's AVITI 24TM: Next Level Solution for NGS and Multiomics Applications"

12:35-12:55

Ricardo Fechio

Bioesanco

"Good pipetting practices"

12:55-13:15

María Fernanda Sosa

OneLab Solutions SA

"The Green revolution in science: sustainable and innovation in molecular biology laboratories"

12:15-14:30. Lunch Time

14:30-16:30. Microbiology Symposium

Sala de las Américas

Chairpersons: Dr. Julieta Fernández-Dr. Alex Saka

14:30-15:00

Dra. Natalia Gottig

Instituto de Biología Molecular y Celular de Rosario (IBR-CONICET).

“Decoding C-Di-GMP control in Mn(II) Oxidation in *Pseudomonas resinovorans* for Grownwater Bioremediation”

15:00-15:30

Dr. Andrés Garriz

Instituto Tecnológico de Chascomús.

“Polyamines as Regulators of Oxidative Stress Response in Phytopathogenic Bacteria”

15:30-16:00

Dra. Daniela Albanesi

Instituto de Biología Molecular y Celular de Rosario (IBR-CONICET).

“Membrane and Cell Wall Biogenesis in Gram-positive Bacteria: Two Independent or Coordinated Processes?”

16:00-16:30

Dra. Ana Laura Villasuso

Instituto de Biotecnología Ambiental y de la Salud (INBIAS-CONICET).

Universidad Nacional de Río Cuarto.

“Harnessing the microbiome of vermi-compost to control fungal disease”

14:30-16:30. Lipids Symposium

Salón de Actos

Chairpersons: Dr. Martin Oresti – Dr. Cecilia Casali

14:30-15:00

Dra. Natalia Alza

Instituto de Investigaciones Bioquímicas de Bahía Blanca – UNS.

“Exploring natural products to overcome ferroptosis, a form of cell death driven by lipid peroxidation”

15:00-15:30

Dr. Agustín Mangiarotti

Centro de Investigaciones en Química Biológica de Córdoba – UNC.

“When membrane-bound meet membrane-less: wetting, remodeling, and damage stabilization”

15:30-16:00

Dr. Lucas Sosa Alderete

Instituto de Biotecnología Ambiental y Salud - UNRC.

“Influence of xenobiotic exposure on the daily changes of glycerophospholipid turnover: insights from tobacco hairy roots as a model system”

16:00-16:30

Dra. Francisca Verónica Bronfman Cáceres

Universidad Nacional Andrés Bello - Santiago de Chile - Chile.

“Uncovering the functional effects and molecular targets of lipids derived from the macroalga *Gracilaria chilensis*”

16:30-17:00. Coffee-Break

17:00-18:15. “Alberto Sols” Plenary Lecture

Sala de las Américas

Dr. Jesús Pérez-Gil

Department of Biochemistry and Molecular Biology, Faculty of Biology, and Research Institut “Hospital 12 de Octubre (imas12)”, Madrid, Spain.

“Molecular and celular mechanisms behind the mechanical and biological protection of the respiratory surface”

Chairperson: Dr. Gerardo Fidelio

18:15-20:00. Posters Microbiology (MI), Lipids (LI).

Wednesday, October 29, 2025

08:30-10:30. Oral Communications

Plants. Sala de las Américas

Signal Transduction/Biotechnology/Neurosciences/Enzymology. Salón de Actos

10:30-11:00. Coffee-Break

11:00-12:15. Plenary Lecture

Sala de las Américas

Dr. Pablo Manavella

*Instituto de Hortofruticultura Subtropical y Mediterránea (IHSM) 'La Mayora',
Universidad de Málaga-Consejo Superior de Investigaciones Científicas (UMA-CSIC),
29010 Málaga, Spain.*

“Transposon-mediated chromatin folding defines Pol-II transcriptional activity”

Chairperson: Dr. Georgina Fabro

12:15-14:30. Lunch Time

14:30-16:30. Plants Symposium

Sala de las Américas

Chairpersons: Dr. Nicolás Cecchini- Dr. Georgina Fabro

14:30-15:00

Dra. María Eugenia Zanetti

*Laboratorio de Biología de Raíz, Instituto de Biotecnología y Biología Molecular
(Consejo Nacional de Investigaciones Científicas y Técnicas - Universidad
Nacional de La Plata).*

**“The plant specific histone H3K27 demethylase MtPKDM9B functions in
root development and the nitrogen fixing symbiosis in the model legume
Medicago truncatula”**

15:00-15:30

Dr. Santiago Signorelli

Universidad de la República, Uruguay.

“The role of proline biosynthesis in plants: a biochemical perspective”

15:30-16:00

Dr. Elina Welchen

Instituto de Agrobiotecnología del Litoral, IAL-CONICET.

“Power Struggles: Growing, Defending, or Both?”

16:00-16:30

Dr. Ezequiel Petrillo

*Instituto De Fisiología, Biología Molecular Y Neurociencias
(IFIBYNE, CONICET-UBA).*

“Understanding the Whys, Hows, and Consequences of Alternative Splicing Regulation in Plants”

14:30-16:30. Signal Transduction Symposium

Salón de Actos

Chairpersons: Dr. Andres Dekanty – Dr. Graciela Boccaccio

14:30-15:00

Dr. Omar Coso

*Instituto de Fisiología, Biología Molecular y Neurociencias
(IFIBYNE, CONICET-UBA).*

“Signal transduction in the context of aids related malignancies: Kaposi Sarcoma and beyond”

15:00-15:30

Dr. Diego Rayes

Instituto de Investigaciones Bioquímicas de Bahía Blanca – UNS.

“Surviving a Hostile World: Neural Coordination of Stressor-Specific Strategies in *C. elegans*”

15:30-16:00

Dr. Nara Muraro

Instituto de Investigación en Biomedicina de Buenos Aires (IBioBA)-CONICET.

“Why do we Sleep? Insights from *Drosophila*”

17:00-18:15. Plenary Lecture

Sala de las Américas

Dr. Francisco García del Portillo

Laboratorio de Patógenos Bacterianos Intracelulares. Centro Nacional de Biotecnología (CNB). Consejo Superior de Investigaciones Científicas (CSIC). Madrid. España.

“Diversity of morphogenetic peptidoglycan synthases in the domain bacteria”

Chairperson: Dr. José Echenique

18:15-20:00. Posters Plants (PL), Signal Transduction (ST), Structural Biology (SB), Biotechnology (BT), Enzymology (EN). Neurosciences (NS).

19:00-22:00. SAIB Assembly

Sala de las Américas

Thursday, October 30, 2025

08:30-10:30. Oral Communications

Cell Biology. Sala de las Américas

Biotechnology/Structural Biology/Neurosciences. Salón de Actos

10:30-11:00. Coffee Break

11:00-12:45. Posters Cell Biology (CB).

12:45-14:30. Lunch Time

14:30-16:30. Cell Biology Symposium

Sala de las Américas

Chairpersons: Dr. Mariano Bisbal- Dr. Mariana Bollo

14:30-15:00

Dr. Ramiro Rodríguez Virasoro

Instituto de Biología Molecular y Celular de Rosario (IBR-CONICET).

“Regulation of cell cycles and cell biology processes driving plant organ growth”

15:00-15:30

Dr. Diego Croci Russo

Instituto de Histología y Embriología de Mendoza.

“Modified miRNAs Restore Chondrocyte Function Under Inflammatory Stress: Toward a Reliable Disease-Modifying Strategy for Osteoarthritis”

15:30-16:00

Dr. María Paz Marzolo

Pontificia Universidad Católica (PUC). Santiago de Chile.

“Intracellular trafficking defects underly dysfunctions in reelin signaling: implications for a rare genetic disease affecting the central nervous system”

16:00-16:30

Dr. Graciela Boccaccio

Fundación Instituto Leloir.

“Smaug, Hydra, or Dragon? Condensation of a Post-Transcriptional Regulator into Membraneless Organelles”

14:30-16:30. Young Investigators II Symposia

Salón de Actos

Chairpersons: Dr. Laura Delgui – Dr. Paula Casati

14:30-15:00

Dra. Ana Racca
CIBICI, Córdoba.

“Regulatory Mechanisms at the Maternal–Fetal Interface: Insights from pregnancy pathologies and connection to cáncer”

15:00-15:30

Dr. Noelia Foressi
UNMdP, Mar del Plata.

“Redox homeostasis and tor kinase as central regulators of primary nitrate response in plants”

15:30-16:00

Dr. Damián Cambiagno
UDEA, Córdoba.

“Systemic resistance to pathogens in Arabidopsis requires HASTY-dependent miRNA cell-to-cell movement”

16:00-16:30

Dr. Leandro Lucero
IAL, Santa Fe.

“From Bud to Branch: Gene Expression Regulation at Multiple Levels Dictates Plant Architecture”

16:30-17:00. Coffee-Break

17:00-18:15. “Ranwel Caputto” Plenary Lecture

Sala de las Américas

Dra. María Isabel Colombo

Laboratory of molecular mechanisms involved in vesicular trafficking in the phagocytic and autophagic pathways. IHEM-CONICET- UNCUYO-FCM-Mendoza, Argentina.

“Intracellular pathogens and autophagy: partners in a tango dance”

Chairperson: Dr. José Luis Bocco

18:15-20:00. Awards and Closing Ceremony

Sala de las Américas