



**CONGRESO
SAIB 2022**

Programa de Conferencias
Plenarias y Simposios

**Program of Plenary
Lectures and Simposia**



SAIB

Sociedad Argentina de
Investigaciones en Bioquímica
y Biología Molecular

PROGRAM

TUESDAY, November 8, 2022

12:30–16:30 REGISTRATION

17:00–17:30 OPENING CEREMONY

Eduardo A. Ceccarelli

SAIB President

Room “Sala Magna”

17:30–19:00 PLENARY LECTURE ALBERTO SOLS

Dra. Isabel Varela-Nieto

Instituto de Investigaciones Biomédicas “Alberto Sols” (CSIC-UAM), CIBERER-ISCIII, Departamento de Fisiopatología Endocrina y del Sistema Nervioso Universidad Autónoma de Madrid, España.

Insights into age-related hearing loss: oxidative stress and neuroinflammation

Chairperson: Eduardo A. Ceccarelli

Room “Sala Magna”

19:00–20:30 PLENARY LECTURE

Dr. Craig Roy

Biological and Biomedical Sciences (BBS), Department of Microbial Pathogenesis, School of Medicine, Yale University, USA

Structural analysis of the Dot/Icm type IVB secretion machine

Chairperson: María Isabel Colombo

Room “Sala Magna”

WELCOME COCKTAIL

WEDNESDAY, November 9, 2022

8:30–10:30 ORAL COMMUNICATIONS

Room “Sala Magna”. Microbiology.

Room “Sala Plumerillo”. Plants.

Room “Sala Horcones”. Lipids – Neurosciences.

10:30–11:00 COFFEE BREAK

11:00–12:30 PLENARY LECTURE

Dr. Ernesto Podesta

Instituto De Investigaciones Biomédicas – INBIOMED, Oficina De Coordinacion

Administrativa Houssay – OCA – HOUSSAY, CONICET UBA, Argentina

Specific cellular micro-environments to spatially or temporally regulates a biological process. Foundation for new therapeutic targets

Chairperson: José Luis Bocco

Room “Sala Magna”

12:30–14:30 FREE TIME FOR LUNCH

12:30 –14:00. ROUND TABLE. SURF YOUR CAREER

Room “Sala Magna”

Chairperson: Mariano Polo

Speakers: Paula Casati, Ana Laxalt, Belen Elghoyen, Marisa Colombo, Luis

Mayorga

14:30–16:30 SIGNAL TRANSDUCTION SYMPOSIUM

Room “Sala Magna”

Chairpersons: Graciela Boccaccio, Ricardo Biondi

Dr. Hernán Grecco

Departamento de Física, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina

Multiplexed imaging of caspase activation dynamics unravels the connectivity of the apoptotic network

Dra. María Vera Ugalde

Department of Biochemistry Faculty of Medicine and Health Sciences McGill University Canada.

Imaging single mRNA molecules to investigate neuronal protein homeostasis

Dr. Diego Presman

IFIBYNE – CONICET Departamento de Fisiología, Biología Molecular y Celular, FCEN–UBA, Argentina

Chasing transcription factors one molecule at a time

Dr. José Badano

Laboratorio de Genética Molecular Humana Institut Pasteur de Montevideo, Uruguay

The BBS4-cilia axis in adipogenesis: insights for obesity in Bardet-Biedl syndrome

14:30–16:30 PLANTS SYMPOSIUM I

Room “Sala Plumerillo”

Chairpersons: Nicolás M Cecchini, Elina Wechen

Dr. Gustavo MacIntosh

Roy J. Carver Department of Biochemistry, Biophysics and Molecular Biology, Iowa State University, USA

Colonization strategies and defense responses in soybean-soybean aphid interactions

Dr. Yariv Brotman

Department of Life Sciences, Ben Gurion University of the Negev, Beersheva, Israel

Mapping Crop Plants Metabolic Landscape by Untargeted Metabolomics at Different Environmental Conditions

Dra. Francisca Blanco

Centro de Biotecnología Vegetal, Universidad Andrés Bello, Chile

Involvement of the cell wall and its dynamic in plant defense against aphids

14:30–16:30 YOUNG INVESTIGATORS SYMPOSIUM I

Room “Sala Horcones”

Chairpersons: Alejandra Mussi, Matias Asension Dies.

Dra. María Carla Martini

Instituto de Biotecnología y Biología Molecular. UNLP – CONICET

Loss of RNase J leads to multi-drug tolerance and accumulation of highly structured mRNA fragments in Mycobacterium tuberculosis.

Dra. Laura Emilce Navas

Instituto de Agrobiotecnología y Biología Molecular (IABIMO)- INTA Castelar

Bacterial transformation of compounds derived from residual lignin into bioproducts”

Dr. Ariel Waisman

LIAN-CONICET, FLENI Escobar

The transcription factor Oct6 regulates the dissolution of the pluripotent state by inhibiting Nanog and inducing differentiation-associated transcription factors

16:30–17:00 COFFEE BREAK

17:00–19:00 POSTER SESSION

Central Hall

CB-15 to CB-30

PL-18 to PL-46

MI-16 to MI-31

BT-02 to BT-13

LI-01 to LI-07

EN-04 to EN-07

19:00–20:30 PLENARY LECTURE HECTOR TORRES

Dr. Ana Belén Elgoyhen

INGEBI CONICET, Facultad de Medicina, Universidad de Buenos Aires, Argentina

Argentina in the Auditory Landscape: the Catalytic Force of the Instituto "Héctor N. Torres"

Chairperson: Gabriela A. Salvador

THURSDAY, November 10, 2022

8:30–10:30 ORAL COMMUNICATIONS

Room "Sala Magna". Plants.

Room "Sala Plumerillo". Microbiology.

Room "Sala Horcones". Cellular Biology.

10:30–11:00 COFFEE BREAK

11:00–12:30 PLENARY LECTURE

Dr. Mario Feldman

Department of Molecular Microbiology, School of Medicine Washington University in St Louis, USA

Dissecting the virulence strategies of the superbug Acinetobacter baumannii

Chairperson: Eduardo A. Ceccarelli

Room "Sala Magna"

12:30–14:30 FREE TIME FOR LUNCH

14:30–16:30 LIPIDS SYMPOSIUM

Chairpersons: Silvia Alejandra Belmonte, Gerardo Martín Oresti

Room "Sala Magna"

Dr. Iván López Montero

Departamento de Química Física Facultad de Ciencias Químicas Madrid España

Self-assembly of rotating ATP synthases in lipid bilayers. A mechanical view

Dra. Dolores Busso

Centro de Investigación e Innovación Biomédica, Universidad de los Andes, Chile

Implications of HDL cholesterol metabolism for oocyte biology and female fertility

Dr. Ernesto Ambroggio

Centro de Investigaciones en Química Biológica de Córdoba (CIQUIBIC) UNC,

Argentina

The interaction of viral structural proteins with oligonucleotides and membranes

14:30–16:30 MICROBIOLOGY SYMPOSIUM

Chairpersons: Hebe Dionisi, Eleonora Campos

Room “Sala Plumerillo”

Dra. Rosalba Lagos

Facultad de Ciencias, Universidad de Chile, Chile

Antarctic Peninsula soils host a diverse microbiota with a variety of antibiotic resistance genes

Dr. Fabricio Cassan

Instituto De Investigaciones Agrobiotecnológicas, INIAB-CONICET, UNRC, Córdoba, Argentina

The importance of denitrification performed by rhizobia used as inoculants in South America

Dra. Paulina Fermani

Instituto de Biología de Organismos Marinos, IBIOMAR, CONICET, Puerto Madryn, Chubut, Argentina.

Effects of climate change on aquatic systems and their microbial communities

14:30–16:30 YOUNG INVESTIGATORS SYMPOSIUM 2

Room “Sala Horcones”

Chairpersons: Carlos Garcia Mata ,Georgina Fabro.

Dr. Ariel Herrera-Vásquez

Centro de Biotecnología Vegetal. Universidad Andrés Bello, Santiago – Chile.

The TGA transcription factors from clade II negatively regulate the Salicylic Acid accumulation in Arabidopsis”

Dr. Damián Alejandro Cambiagno

Unidad de Estudios Agropecuarios (UDEA). Instituto Nacional de Tecnología Agropecuaria (CONICET – INTA)

Small RNAs modulating systemic plant defenses

Dra. Laura Evangelina Garcia

IBAM –CONICET–U.N.Cuyo

Low efficiency in the splicing of foreign mitochondrial genes in Lophophytum

16:30–17:00 COFFEE BREAK

17:00–19:00 POSTER SESSION

Central Hall

CB-31 to CB-46

PL-47 to PL-75

MI-32 to MI-47

BT-14 to BT-25

ST-05 to ST-10

LI-08 to LI-16

19:00–19:15 Tribute to Hugo J. Maccioni: Carlos Argaraña

19:15–20:45 RANWEL CAPUTTO CONFERENCE

Dra. Alejandra del Carmen Alonso

Department of Biology and Center for Developmental Neuroscience, College of Staten Island, and Biology Program, The Graduate Center, The City University of New York, Staten Island, NY, USA

Tau induced neurodegeneration in Alzheimer disease: structural and other functions

Chairperson: Marie Elena Alvarez

20:45–22:00 SAIB society meeting

FRIDAY, November 11, 2022

8:30–10:30 ORAL COMMUNICATIONS

Room "Sala Magna". Cellular Biology.

Room "Sala Plumerillo". Plants – Biotechnology.

Room "Sala Horcones". Signal Transduction – Enzymes.

10:30–11:00 COFFEE BREAK

11:00–12:30 PLENARY LECTURE "CONO SUR"

Dr. Rodrigo Gutierrez

Departamento de Genética Molecular y Microbiología, Facultad de Ciencias
Biológicas Pontificia Universidad Católica de Chile, Chile

Plant life at the extreme in the Atacama Desert

Chairperson: Ana María Laxalt

12:30–14:30 FREE TIME FOR LUNCH

14:30–16:30 CELULAR BIOLOGY SYMPOSIUM

Room "Sala Magna"

Chairpersons: Marisa Colombo, Pablo Aguilar

Dra. Gabriela Pagnussat

IIB-CONICET Universidad Nacional de Mar del Plata, Argentina

Homocastasterone biosynthesis in the female gametophyte is essential for early embryogenesis in Arabidopsis

Dra. Luciana Balboa

Instituto de Medicina Experimental, IMEX, CONICET, Buenos Aires, Argentina

Targeting immunometabolism in host defense against Mycobacterium tuberculosis

Dra. Natalia de Miguel

Instituto Tecnológico de Chascomús INTECH, Argentina

Role of extracellular vesicles in parasite: parasite communication in Trichomonas vaginalis

Dra. Laura Delgui

IHEM-CONICET, UN Cuyo, Mendoza

Birnaviral Hijacking Of Endosomal Membranes

14:30–16:30 PLANTS SYMPOSIUM II

Room “Sala Plumerillo”

Chairpersons: María Valeria Lara, Jose Estevez

Dr. Nir Sade

The George S. Wise Faculty of Life Sciences, Tel Aviv University, Israel

Setaria viridis plasma membrane aqps contribute to root hydraulics and root to shoot signaling of gas exchange

Dra. Daniela Sueldo

Department of Biology, Norwegian University of Science and Technology, Noruega

Role and suppression of plant extracellular enzymes during bacterial infection

14:30–16:30 SHORT PLENARY LECTURES SYMPOSIUM

Room “Sala Horcones”

Chairpersons: Anabella Lodeyro, Germán Rosano

Dra. Noelia Foresi

Instituto de Investigaciones Biológicas-CONICET, Facultad de Ciencias Exactas y Naturales, UNMDP, Argentina

Novel role for nitric oxide and nitric oxide synthase in primary nitrogen metabolism in photosynthetic organisms

Dr. Lisandro Otero

Instituto de Biotecnología Ambiental y Salud Leloir (INBIAS). UNRC. Centro de Rediseño e Ingeniería de Proteínas (CRIP). UNSAN, Argentina.

Long-range signaling mechanism of a bacteriophytochrome at the atomic level

Dr. Luciano Abriata

Protein Expression and Structure Facility, EPFL, Switzerland.

Towards Chemistry and Structural Biology in the Metaverse

16:30–17:00 COFFEE BREAK

17:00–19:00 POSTER SESSION

Central Hall

CB-47 to CB-65

PL-75 to PL-100

MI-48 to MI-63

ST-10 to ST-16

NS-03 to NS-07

SB-1 and SB-2

19:00–20:30 PLENARY LECTURE

Dr. Maximiliano Gutierrez

The Francis Crick Institute, United Kingdom

Mycobacterium tuberculosis infection of host cells in space and time

Chairperson: Federico Sisti

Room "Sala Magna"

20:30–21:30 AWARDS PRESENTATION and CLOSING CEREMONY

THIS MEETING WAS SUPPORTED BY:



Biodynamics



OneLab

