



SAFIS

Sociedad Argentina de Fisiología

ANNUAL MEETING ARGENTINE SOCIETY OF PHYSIOLOGY 2023

VII Meeting of Physiology Teachers

II Meeting of Young investigators

I Meeting of Research Students

25-27th October 2023

SCIENTIFIC PROGRAM

Wednesday 10-25-2023

8:00-9:00 h

REGISTRATION

9:00 h

VII MEETING OF PHYSIOLOGY AND BIOLOGICAL PHYSICS TEACHERS 2023

Organized by the SAFIS Education Committee

• 9.00-10.30 h

BLOCK I

CONFERENCE

Non-traditional technologies in the teaching of physiology

Coordinators: Andrea Fellet, Maria Luján Alvarez

Artificial intelligence and immersive techniques as teaching tools

Speakers: José Campusano (*Asociación Docente de la Universidad de Buenos Aires*), Lic. Dolores Tezanos (*Universidad del Museo Social Argentino*) y Pablo Wahnnon (*Innovación, Tecnología y Salud en Forbes*)

• 10.30-11.00 h

Coffee Break

• 11.00-12:30 h

BLOCK II

Simulation models in physiology teaching

Speakers: Fernando Salvatierra (*Departamento de Pedagogía, Facultad de Farmacia y Bioquímica de la Universidad de Buenos Aires, Buenos Aires, Argentina*) y Marilina Lipsman (*Departamento de Pedagogía, Facultad de Farmacia y Bioquímica de la Universidad de Buenos Aires, Buenos Aires, Argentina*)

12:00-13:30 h:

LUNCH TIME



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13.30-15.30 h

SYMPOSIUM 1

Aging, repair and regeneration / Gene therapy

Coordinators: Andrea Chisari, Marianela Candolfi

Microbiome, brain, and cognition in early stages of Alzheimer's disease
Speaker: Laura Morelli (Fundación Instituto Leloir, Buenos Aires, Argentina)

Neurogenesis and aging: how to rewire a stubborn hippocampus.
Speaker: Alejandro Schinder (Fundación Instituto Leloir, Buenos Aires, Argentina)

Anti-inflammatory mesenchymal stem cell-derived extracellular vesicles
for donor heart preservation.
*Speaker: Gustavo Yannarelli (Instituto de Medicina Traslacional, Trasplante y Bioingeniería (IMeTTYB),
Universidad Favaloro-CONICET, Buenos Aires, Argentina)*

Mesenchymal stem cells and regenerative medicine in liver diseases
*Speaker: Guillermo Mazzolini (Instituto de Investigaciones en Medicina Traslacional, Universidad
Austral, Buenos Aires, Argentina)*

• 15.30-17.30 h

POSTERS

**Scientific research and the teaching-learning process of physiology. Experiences in the use of
technologies in the teaching of Physiology.**

I Meeting of undergraduate student investigators

17.30-19.30 h

SYMPOSIUM 2

Metabolism in situations of insulin resistance

Coordinators: Miriam Wald, Carolina Jaquenod de Giusti, Marcela Vazquez Prieto

Adipose tissue remodeling in obesity and the use of GLP-1 agonists
*Speaker: Verónica Miksztoicz (Instituto de Investigaciones Biomédicas UCA-CONICET, Buenos Aires,
Argentina)*

Effect of chronic stress on obesity and metabolic syndrome
*Speaker: Bibiana Fabre (Departamento de Bioquímica Clínica Facultad de Farmacia y Bioquímica,
Universidad de Buenos Aires, Argentina)*

Intrauterine proinflammatory environment and fetal programming in maternal diabetes
Speaker: Alicia Jawerbaum (CEFYO-CONICET, Buenos Aires, Argentina)

Dietary bioactives in the mitigation of insulin resistance: role of the gastrointestinal tract.
Speaker: Patricia Oteiza (Department of Nutrition, University of California, USA)

19.30-20.30 h



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SAFIS OPENING CEREMONY

Welcome Speech

Graciela Cremaschi

President of SAFIS; *Instituto de Investigaciones Biomédicas UCA-CONICET*

INAUGURAL CONFERENCE

Coordinators: Martín Vila-Petroff, Alejandro Aiello, Germán E. González

Physiological Role of Autophagy in the Heart

Junichi Sadoshima (*University of New Jersey, Newark, USA*)

DAY 2

Thursday 10-26-2023

8.00-10.00 h

POSTERS

10.00-12.00 h

SYMPOSIUM 3

Neuroendocrine regulation of immunity

Coordinators: Ana Genaro; Helena Sterle; Florencia Cayrol

Neuroendocrine-immune interactions: Interleukin-1b as an example of immune mediators linking the periphery and the brain

Speaker: Adriana del Rey (*Philipps University of Marburg, Germany*)

Pregnancy and autoimmunity: influence of female sex hormones on the activation of B lymphocytes

Speaker: Federico Jensen (*CEFYO UBA-CONICET, Buenos Aires, Argentina*)

Gut microbiota, probiotics, and health

Speaker: Carolina Galeano Maldonado (*Centro de referencias para Lactobacilos (CERELA), Tucumán, Argentina*)

Immunomodulation mechanisms in joint inflammation

Speaker: María Silvia Di Genaro (*IMIBIO-SL; CONICET-Universidad Nacional de San Luis, San Luis, Argentina*)

12.00-13.30 h

LUNCH TIME

13.30-15.30 h

SAFIS Young Investigator Award

Jury: Andrea Chisari; Andrea Fellet; Martín Vila-Petroff

15.30-17.30 h

POSTERS



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17.30-18.30 h

SCIENCE ROUNDTABLE DEBATE: HOW TO COMMUNICATE SCIENCE IN THE ERA OF FAKE NEWS

Coordinator: Leonardo Lacoa

Communication of science for a non-expert audience

Speaker: Soledad Casasola (*Univ. Nacional de Rosario, Argentina*)

Fighting fake news with a "multi-dose" of science"

Speaker: Soledad Gori (*Facultad de Ciencias Exactas y Naturales, UBA, Argentina*).

Understanding and debunking misinformation about science and health

Speaker: Florencia Ballarino (*Scientific Journalist in Chequeado ciencia, Argentina*).

Preprints' and misinterpretation of scientific studies as a source of misinformation

Speaker: María González Dionis (*Journalist and fact-checker, Spain*)

18.30-20.30 h

SYMPOSIUM 4

Neuroimmunomodulatory regulation of ventricular function and remodeling

Coordinators: Cecilia Mundiña, Alejandro Aiello, Germán E. González

Repurposing sildenafil for the treatment of hypertensive cardiac hypertrophy

Speaker: Néstor Gustavo Pérez (*Centro de Investigaciones Cardiovasculares, Universidad Nacional de La Plata, Argentina*)

Cardiac inflammation and repair following myocardial infarction.

Speaker: Merry Lindsey (*Meharry Medical College, Nashville VA Medical Center, Editor-in-Chief American Journal of Physiology: Heart and Circulatory Physiology; American Physiological Society USA*)

Vagal neuromodulation for myocardial infarction: new insights into mechanisms and future perspective

Speaker: Bruno Buchholz (*Instituto de Bioquímica y Medicina Molecular (IBIMOL) y Departamento de Anatomía, Facultad de Medicina, Buenos Aires, Argentina*)

Judgment on hypertension: cardiac mitochondria accused of necessary participants.

Speaker: Irene Ennis (*Centro de investigaciones Cardiovasculares, Universidad Nacional de La Plata, Buenos Aires, Argentina*)

20.30-21.30 h

SAFIS ASSEMBLY



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DAY 3
Friday 10-27-2023

9.00-10.00 h

CAMILION DE HURTADO AWARD PRESENTATIONS

Jury: Cristina Arranz; Bruno Buchholz, Enrique Sánchez Pozzi

10.00-12.00 h

SYMPOSIUM 5 Commission of Young Researchers

The Endocannabinoid System and its modulation: from the laboratory to practice
Coordinators: Ivanna Gomez; Laura Caltana

Neuronal sets co-expressing the growth hormone secretagogue receptor and cannabinoid receptor type 1 in mouse brain

Speaker: Camila Saenz (Instituto Multidisciplinario de Biología Celular (IMBICE), Buenos Aires, Argentina). "

Prenatal cannabis exposure: mesolimbic dopamine, reward and stress

Speaker: Coleen S. Peterson. (Departamento de Neurociencia de la Facultad de Medicina de la Universidad de Calgary, Canada)

"The "B-side" of cannabis on the heart: Cardioprotective effects

Speaker: Erica Pereyra (Centro de Investigaciones Cardiovasculares, Universidad Nacional de La Plata, Argentina)

Use of cannabis sativa for the development of dermal scaffolds and Bioinks for 3D Bioprinting
Speaker: Pablo Antezana (Instituto de Química y Metabolismo del Fármaco (IQUIMEFA), Facultad de Farmacia y Bioquímica, Buenos Aires, Argentina).

12.00-13.30 h
LUNCH TIME

13.30-15.30 h

SYMPOSIUM 6 Oncology and inflammation

Coordinators: Mónica Vázquez Levin; Celeste Diaz Flaqué

Role of the histamine H4 receptor in T-cell lymphoma

Speaker: Vanina Medina (BIOMED UCA-CONICET, Buenos Aires, Argentina)

Ugly pro-inflammatory molecular actors helping the liver?

Speaker: Daniel Francés (Instituto de Fisiología Experimental (IFISE), CONICET, Universidad Nacional de Rosario, Rosario. Argentina)

Suppression of salivary gland autoimmunity by galectin-1



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Speaker: Marta Toscano (*Hospital Arturo Oñativia Salta, Argentina*)

The mRNA-binding protein TTP acts as a tumor suppressor gene and regulator of the inflammatory response in head and neck carcinogenesis

Speaker: Ana Raimondi (*CONICET-Universidad de Buenos Aires, Instituto de Fisiología, Biología Molecular y Neurociencias (IFIBYNE), Buenos Aires. Argentina*)

15.30-17.30 h
POSTERS

17:30-19:30 h

JOINT SYMPOSIUM HYPERTENSION COUNCIL OF THE ARGENTINE SOCIETY OF CARDIOLOGY AND THE ARGENTINE SOCIETY OF PHYSIOLOGY

Renal Physiology and Hypertension

Coordinators: Sara Molinas; Cecilia Mundiña

Impact of chloride anion in the development of arterial hypertension

Speaker: Nicolás Kouyoumdzian (*Instituto Taquini, UBA-CONICET, Buenos Aires, Argentina*)

Renal autoregulation and hypertension

Speaker: Cesar Romero: (*Emory University, Atlanta, USA*)

Role of Natriuretic Peptide in SRH and normotensive rats

Speaker: Carolina Canifi (*Facultad de Farmacia y Bioquímica, UBA, Buenos Aires, Argentina*)

Mas receptor endocytosis and signaling in health and disease

Speaker: Mariela Gironacci (*Facultad de Farmacia y Bioquímica, UBA, Buenos Aires, Argentina*)

19.30-20:30 h

SAFIS CLOSING CONFERENCE

Coordinators: Graciela Cremaschi, Mariana Salatino

Immune response against SARS-CoV-2 infection

Speaker: Jorge Geffner (*INBIRS, CONICET, UBA, Buenos Aires. Argentina*)

20.30-21.30 h

SAFIS CLOSING AND AWARD CEREMONY

2023