

1ra Circular Mayo 2013

**XLII REUNION ANUAL
SOCIEDAD ARGENTINA
de BIOFISICA
SAB-2013
PROGRAMA PRELIMINAR**

**2 al 4 de Diciembre de 2013
Hotel Portal del Lago,
Villa Carlos Paz, Córdoba,
ARGENTINA**

**XLII ANNUAL MEETING
ARGENTINIAN BIOPHYSICAL
SOCIETY
SAB -2013
PRELIMINARY PROGRAM**

**December 2nd-4th, 2013
Hotel Portal del Lago,
Villa Carlos Paz, Córdoba,
ARGENTINA**

**Domingo 1 de Diciembre/Sunday 1st, December
Llegada de Participantes/Arrival of Participants**

**Lunes 2 de Diciembre/Monday 2nd December
9.30 a 13.00 Llegada de Participantes y Registración/ Arrival of Participants and
Registration**

**13.00-14.30 Almuerzo. Colocación de posters todas las Secciones/ Lunch. Placing of posters
of all topics**

**14.45-15.00 Apertura del Congreso/ Meeting Opening
Bienvenida/Welcome Dr. Gerardo Fidelio**

15.00-16.00 CONFERENCIA DE APERTURA / OPENING LECTURE.

Dr. John Seddon: “Hydrostatic Pressure Effects on the Structure and Stability of Lipid
Membranes and Lyotropic Mesophases”.

Membrane Biophysics Group, Department of Chemistry, Imperial College London, Imperial
College, London. UK.

Chair: Bruno Maggio.

16.00-18.00 SIMPOSIO 1/ SYMPOSIUM 1: BIOFÍSICA DE BIOMEMBRANAS E INTERACCIÓN LÍPIDO-PROTEÍNA/LIPID-PROTEIN INTERACTION AND MEMBRANE BIOPHYSICS.

Chairs: Ernesto Ambroggio y Natalia Wilke

Simposista 1: **Betina Córscico**. *Título a confirmar/Title to be confirmed*. INIBIOLP-La Plata. Argentina

Simposista 2: **Larisa Cybulski** “ *The power of being at the interface: mechanism of DesK thermosensing*”. IBR-CONICET-Rosario. Argentina

Simposista 3: **Belén Decca**, *Título a confirmar/Title to be confirmed*. CIQUIBIC-Córdoba. Argentina

Simposista 4: **Luis Gonzalez Flecha**. *Título a confirmar/Title to be confirmed*. IQUIFIB-Buenos Aires. Argentina

18.00-18.25 Café / Coffe Break

18.30-19.00 SECCION JOVEN I de SAB / YOUNG SECTION I OF SAB

Mini-conferencia: PREMIO MEJOR TESIS SAB / Mini-lecture: BEST THESIS AWARD SAB

Leticia Llarrul. “ *Insights on the Molecular Events that Unleash Resistance to b-lactam antibiotics in Staphylococcus aureus*”. IBR- CONICET-Rosario

Chair: Mario Ermacora

19.00-20.00 CONFERENCIA PLENARIA 2 / PLENARY LECTURE 2

Frédéric Carrière. “ *Interfacial enzymology: investigating the mode of action of lipases requires a combination of various biophysical approaches*”.

Laboratory of Enzymology at Interfaces and Physiology of Lipolysis E.I.P.L, C.N.R.S. MARSEILLE, FRANCE.

Chair: Gerardo Fidelio

**20.30-23.00 SECCION DE POSTERS (Posters impares: Todas las Secciones)/ POSTER SECTION (Odd boards: All Topics)
(cena/snack, dinner/snack)**

Martes 3 de Diciembre / Tuesday 3rd December

8.30-9.30 CONFERENCIA PLENARIA 3 / PLENARY LECTURE 3

Dr. Benoit Sorre. “ *Dynamics of TGF-beta signaling: how positional information can be learned from a changing morphogen gradient*”.

Membrane Biophysics group, Department of Chemistry, Imperial College London, Imperial College, London. UK.

Chair: Aurélien Roux

9.30-10.30 CONFERENCIA PLENARIA 4 / *PLENARY LECTURE 4*

Dr. Aurélien Roux: “*Physics of Endocytosis*”.
Biochemistry Department. University of Geneva.
Chair: *Ernesto Ambroggio*

10.30-10.55 *Café/ Coffe Break*

11.00-13.00 SIMPOSIO 2 / *SYMPOSIUM 2. ESTRUCTURA Y FUNCIÓN DE PROTEÍNAS / PROTEIN STRUCTURE AND FUNCTION.*

Chair: *Gerardo Fidelio*

Simposista 1: **Sonia Longhi.** “*Structural disorder and induced folding in the nucleoproteins and phosphoproteins of paramyxoviruses*”.
Group Leader "Structural Disorder and Molecular Recognition" Architecture et Fonction des Macromolécules Biologiques (AFMB) UMR 7257 CNRS et Université d'Aix-Marseille, FRANCE.

Simposista 2: **Gorka Basañez.** “*Elucidating the mechanisms of action of BCL-2 family proteins in apoptosis using in vitro reconstituted systems*”.
Unidad de Biofísica (CSIC-UPV/EHU), País Vasco, España, Spain.

Simposista 3: **Mauricio Sica.** “*Equilibrium Unfolding of the PDZ Domain of b2-Syntrophin*”
Departamento de Ciencia y Tecnología, Universidad Nacional de Quilmes, Bernal, Buenos Aires, Argentina

Simposista 4: **A Confirmar/To be confirmed .**

13.00-14.30 *Almuerzo / Lunch*

15.00-17.00 SIMPOSIO 3 / *SYMPOSIUM 3: TRANSPORTADORES Y CANALES DE MEMBRANA / TRANSPORTERS AND CHANNELS IN MEMBRANES.*

Chairs: *Rodolfo González Lebrero y Karina Alleva.*

Simposista 1: **David Naranjo.** “*Structure Function relations in Voltage gated K^+ channels*”. (a
(*A confirmar/ Title to be confirmed*)

Centro Interdisciplinario de Neurociencias de Valparaíso, Universidad de Chile

Simposista 2: **Luciano Moffatt.** “*Achieving maximal speed of solution exchange for patch clamp experiments in nicotinic ACh receptor*”.

INQUIMAE, UBA, Argentina

Simposista 3: **Daniel Peluffo.** “*Cationic aminoacid transporters*”

Universidad de la República, Regional Norte, Uruguay.

Simposista 4: **Josh Berlin .** “*Membrane potential-dependent inhibition of the $Na^+ - K^+$ ATPase*”
Department of Pharmacology and Physiology, UMDNJ-New Jersey Medical School, USA. (*A confirmar / To be confirmed*)

17.00-17.25 *Café/ Coffe Break*

17.30-18.30 CONFERENCIA PLENARIA 5 / *PLENARY LECTURE 5*

Tibor László Páli. “*On the rotary mechanism of the vacuolar proton-ATPase*”.
Institute of Biophysics, Biological Research Centre, Szeged, Hungary
Chair: *Guillermo Montich*

18.30 a 19.30 CONFERENCIA PLENARIA 6 / PLENARY LECTURE 6

Dr. Manuel Prieto. “*Fluorescence methodologies in membrane biophysics. Lipid rafts and lipid-protein interaction*”. (Título a confirmar / Title to be confirmed)

Instituto Superior Técnico, Universidade Técnica de Lisboa, Lisboa, Portugal.

Chair: *Laura Fanani*

20-21 Asamblea Anual de socios de SAB / Annual Assembly SAB members

20.30-23.00 SECCION DE POSTERS (Posters pares: Todas las Secciones)/ POSTER SECTION (even boards: All the Topics)

(cena/snack, dinner/snack)

Miercoles 4 de diciembre/ Wednesday 4th, December

8.30-10.30 SIMPOSIO 4 / SYMPOSIUM 4: MODELADO BIOMOLECULAR / BIOMOLECULAR MODELING

Chair: *Marcos Villarreal.*

Simposista 1: **Xavier Ambroggio.** “*Strategies for the de novo design of protein-protein interactions*”.

Rosetta Design Group LLC, Virginia, USA.

Simposista 2: **Sergio Pantano.** (Título a Confirmar / Title to be Confirmed)

Institut Pasteur, Montevideo, Uruguay.

Simposista 3: **Roberto Lins.** “*Predictive Biomolecular Modeling Applied to Protein Engineering and Proteomics*”.

Department of Fundamental Chemistry, Federal University of Pernambuco, Recife, PE, Brazil

Simposista 4: (A Confirmar / To be Confirmed)

10.30-10.55 café / Coffe Break

11.00-13.00 RINCON JOVEN II de SAB / YOUNG SECTION II of SAB

Exposición Oral de Posters Seleccionados. / Oral Presentation of Selected Posters.

11.00-11.20 Poster 1 seleccionado / Poster selected 1.

11.20-11.40 Poster 2 Seleccionado / Poster selected 2.

11.40-12.00 Poster 3 seleccionado / Poster selected 3.

12.00-12.20 Poster 4 Seleccionado / Poster selected 4.

12.20-12.40 Poster 5 Seleccionado / Poster selected 5.

12.40-13.00 Poster 6 Seleccionado / Poster selected 6.

13.00-14.30 Almuerzo / Lunch

15.00-17.00 SIMPOSIO 5 / SYMPOSIUM 5: DIFRACCIÓN DE RAYOS X Y SAXS EN BIOESTRUCTURAS / X-RAYS DIFFRACTION AND SAXS TO STUDY BIOSTRUCTURES.

Chair: *Rafael Oliveira y Graciela Borioli.*

Simposista 1: **María Elena Carrizo** “*Structural insight into glycogenin inactivation by the glycogenesis-causing T82M mutation*”.

CIQUIBIC-CORDOBA, Argentina

Simposista 2: **Leide Pasos Cavalcanti** *Título a Confirmar / Title to be Confirmed*

Laboratorio Nacional de Luz Sincrotron, Campinas, Brazil.

Simposista 3: **Daniela Albanesi**, *Título a Confirmar / Title to be Confirmed* .

Univ. Nac. De San Luis, Argentina.

Simposista 4: **(A confirmar)**

17.00-17.30 Café / Coffe Break

17.30-18.30 CONFERENCIA PLENARIA 7 “CONFERENCIA GREGORIO WEBER”/ “GREGORIO WEBER CONFERENCE” PLENARY LECTURE 7 .

Pedro Aramendía, *Single molecule florescence spectroscopy. (A Confirmar / To be confirmed)* (INQUIMAE/UBA/ARGENTINA).

Chair: Guillermo Montich.

19.30-20.30 CONFERENCIA 8 DE CLAUSURA / CLOSING LECTURE

Félix Goñi: “*Membrane properties of the “simple” sphingolipids*”

Unidad de Biofísica (CSIC-UPV/EHU), País Vasco, España, Spain.

Chair: Gerardo D. Fidelio.

20:30-21.00 Anuncio de los Premios Mejor Posters / Announcement of Best Poster Awards

21.00 Cena de Cierre del Congreso / Closing Ceremony Dinner

Secciones habilitadas para posters:	Topics in poster sections
1) Biofísica de lípidos y membranas (BLM)	Biophysics of lipid and membranes (BLM)
2) Biofísica de proteínas y ácidos nucleicos (BPA)	Biochemistry of proteins and nucleic acids (BPA)
3) Enzimología (ENZ)	Enzymology (ENZ)
4) Bioenergética y transferencia electrónica (BTE)	Bioenergetics and transfer (BTE)
5) Teoría y modelado de sistemas biológicos (TMSB)	Theory and modeling of biological systems (TMSB)
6) Transportadores, receptores y canales (TRC)	transporters, receptors and channels (TRC)
7) Nuevas técnicas en biofísica (NTB)	New techniques in biophysics (NTB)