

CONGRESO CONJUNTO DE SOCIEDADES BIOMEDICAS

16 al 20 de noviembre DE 2004
Mar del Plata
Hotel 13 de Julio

ACTIVIDADES PROGRAMADAS

CONFERENCIAS

CONFERENCIA INAUGURAL

- Dr. Kurt WUTHRICH
Premio Nobel de Química 2002
Eidgenossische Technische Hochschule, Zurich, Suiza y The Scripps Research Institute, La Jolla, USA
«The NMR view of proteins - from immune suppression to mad cow disease»

CONFERENCIA DE CLAUSURA «ALFREDO LANARI»

- Dr. Eduardo CHARREAU
Investigador Superior del CONICET. Profesor Titular. Facultad de Ciencias Exactas y Naturales-UBA.
Presidente del CONICET.
«Cross-talk between the progesterone receptor and intracellular signaling pathways»

CONFERENCIA «RANWEL CAPUTTO»

- Dr. Karl H. PFENNINGER
Department of Cell and Developmental Biology, University of Colorado School of Medicine, Denver, CO, USA
«Growth cone pathfinding and the regulation of cell adhesion»

CONFERENCIA «EDUARDO D.P. DE ROBERTIS»

- Dr. Francisco BARRANTES.
INIBIBB-CONICET, Bahía Blanca, Argentina
«Acetylcholine receptor: from molecule to cell»
«Receptor de Acetilcolina: de la molécula a la célula»

CONFERENCIA «LEONARDO SATZ»

- Dr. Sebastián AMIGORENA
U520 INSERM, Institut Curie, Paris, Francia.
«Presentación antigénica cruzada en células dendríticas»

CONFERENCIA «ALBERTO TAQUINI»

- Dr. Martín ISTURIZ
Investigador Superior del CONICET (Academia Nacional de Medicina).
«Complejos inmunes circulantes: fisiología, fisiopatogenia y regulación».

CONFERENCIA INTERNATIONAL SOCIETY FOR NEUROCHEMISTRY

- Dr. Roberto MALINOW
Cold Spring Harbor Laboratories, USA.
«Mechanisms of neural plasticity»

CONFERENCIAS PLENARIAS

- Dr. Alfredo FUSCO
Facoltà di Medicina e Chirurgia, Università di Napoli «Federico II», 80131 Napoli, Italy.
«High mobility group proteins and cancer»
- Dr. Jonathan GEIGER
Prof and Chairman Department of Pharmacology, Physiol and Therapeutics University of North Dakota Medical School Grand Forks, North Dakota, USA.
«Brain energy stores and their possible role in the homeostatic drive to sleep»

- Dr. A. KACELNIK
Department of Zoology, South Parks Road, OX1 3PS, Oxford, UK.
«Uso, selección y manufactura de herramientas en animales no primates»
- Dr. Francisco STEFANO
Director de Desarrollo Científico. Amarin Technologies S.A. - Buenos Aires, Argentina
«La interacción Universidad-Industria desde la perspectiva de un farmacólogo básico»
- Dr. Gerardo VASTA
Center of Marine Biotechnology, University of Maryland Biotechnology Institute, Baltimore, Maryland, USA.
«Inmunidad innata: Aspectos estructurales, funcionales y evolutivos».
- Dr. Lino BARAÑO
Presidente de la ANPCyT, SEPCyT
«Política de financiamiento de la Agencia»

SIMPOSIOS

SIMPOSIO 1

Terapia génica.

Coordinadores: Dres. Fernando Pitossi y Diana Jerusalinsky

Dr. Alberto EPSTEIN. (Lyon, France)

«Propiedades antiproliferativas de la proteína herpética ICP0, expresada a partir de vectores herpéticos de tipo amplicón»

Dr. Guillermo MAZZOLINI. (Navarra, España)

«Experiencia clínica en el tratamiento de tumores hepáticos avanzados mediante terapia génica y celular»

Dr. Alberto CROTTIGINI. (Buenos Aires, Argentina)

«Angiomiogénesis terapéutica por terapia génica»

Dr. Osvaldo PODHAJECER. (Buenos Aires, Argentina)

«Terapia génica en enfermedades autoinmunes: estado actual y perspectivas»

SIMPOSIO 2

La prescripción por genéricos en la República Argentina.

Coordinador: Dr. Luis Malgor

Dr. Modesto RUBIO. (Director del ININFA. Profesor titular de la Cátedra de Farmacología. FFyB. UBA.)

«Garantía de eficacia de medicamentos genéricos»

Dr. Francisco JE STEFANO. (Director de Desarrollo Científico. Amarin Technologies S.A. - Buenos Aires, Argentina)

«El medicamento genérico, su origen, utilidad y seguridad»

Dr. Rodolfo ROTHLIN. (Profesor titular de la Cátedra de Farmacología. Fac de Medicina. UBA.)

SIMPOSIO 3

Transducción de señales.

Coordinador: Dr. Omar Coso

Dr. Silvio GUTKIND. (NIH, USA)

«The RHOad from heterotrimeric G proteins to the nucleus»

Dr. Uri SARAGOVI. Mc Gill University, Montreal, Canada

«Chemical-Biology of cell surface receptors: better understanding of biological function with better chemical tools»

Dr. Sylvain CHEMTOB. (Universidad de Montreal, Canada)

«Nuclear G protein coupled receptors: a paradigm based on cognate receptors of lipid mediators»

Dra. Elizabeth JARES-ERIJMAN. (Facultad de Ciencias Exactas y Naturales, UBA)

«Probing the Erb family of receptor tyrosine kinases with Quantum Dots and FRET»

SIMPOSIO 4

Biología de la Reproducción

Coordinadores: Dras. Marta Tesone, Patricia Cuasnicú y Mónica Vázquez-Levin

Dr. Pablo VISCONTI (University of Massachusetts, USA)

«Regulation of capacitation by phosphorylation and changes in the membrane potential»

Dra. Paula STEIN (University of Pennsylvania, USA)

«RNA de interferencia en ovocitos y embriones de ratón: mucho más que una herramienta útil»

Dr. Luigi DEVOTO (Facultad de Medicina. Universidad de Chile)

«Rol funcional de la proteína reguladora de la esteroidogénesis aguda (StAR) en el cuerpo luteo humano»

Dra. Claudia TOMES (Laboratorio de Biología Celular y Molecular, Instituto de Biología y Embriología (IHEM-CONICET), Facultad de Ciencias Médicas, Universidad Nacional de Cuyo)
 «*Mecanismo de fusión de membranas durante la exocitosis acrosomal*»

SIMPOSIO 5

Células dendríticas en procesos patológicos y en la regulación de la respuesta inmune.

Coordinador: Dr. Jorge Geffner

Dr. Sebastián AMIGORENA. (Instituto Curie, INSERM, París, Francia)

«*Dendritic cell-t cell interactions for the induction of priming and tolerance*»

Dr. Matthias VON HERRATH. (La Jolla Institute for Allergy and Immunology, San Diego, California USA)

«*Viral infections and autoimmunity - good or bad?*»

Dr. Donna L. FARBER (Associate Professor, Department of Surgery, University of Maryland at Baltimore)

«*Long-term islet graft survival in nod mice by abrogation of recurrent autoimmunity*»

SIMPOSIO 6

Fisiopatología de la Placenta.

Coordinadora: Dra. Susana Genti

Dr. Leslie MYATT. (Univ of Cincinnati, USA. Editor de la revista Placenta)

«*Oxidative and Nitrate Stress in the Human Placenta and Functional Effects*»

Dra. Graciela PANZETTA-DUTARI. (Facultad de Ciencias Químicas, UNC)

«*Secuencias y factores de transcripción involucrados en la expresión del gen humano PSG5 específico de embarazo*»

Dra. Alicia E. DAMIANO. (Departamento de Fisiología. Facultad de Medicina. UBA)

«*Transporte de agua y urea en placenta humana normal y preecláptica*»

SIMPOSIO 7

Apoptosis.

Coordinador: Dr. Gabriel A Rabinovich.

Dra. María G. SANTORO. (Departamento de Biología, Universidad de Roma Tor Vergata, Italia)

«*NF-KB as a regulator of the proapoptotic activity of cyclopentenone prostanoids*»

Dr. Gerry MELINO. (Director del Laboratorio de Bioquímica, IDI-IRCCS, Departamento de Medicina Experimental, Universidad de Roma Tor Vergata, Roma, Italia)

«*Degradation and function of P73 and P63IS inhibited by PML*»

SIMPOSIO 8

International Society for Neurochemistry Symposium: Channels and Synapses: Chemistry Meets Neurological Diseases?.

Coordinadores: Dr. Roberto MALINOW. (Cold Spring Harbor Laboratories, USA) y Dr. Osvaldo Uchitel (IFIBYNE CONICET, Universidad de Buenos Aires)

Dr. Osvaldo UCHITEL. (IFIBYNE CONICET. Universidad de Buenos Aires)

«*Functional compensation of calcium channels at synaptic terminals following gene knockout*»

Dr. Daniela PIETROBON (University of Padova, Italy)

«*Mutant calcium channels and migraine*»

Dr. Shin HEE (Center of Calcium and Learning, Seoul Korea)

«*The role of T-type Ca²⁺ channels in the sensory gating in the brain*»

SIMPOSIO 9

Enzimas, cinética y mecanismos.

Coordinador: Dr. Alejandro Vila. (IBR. Facultad de Ciencias Bioquímicas y Farmacéuticas, Universidad Nacional de Rosario)

Dr. Eduardo CECCARELLI. (IBR. Universidad Nacional de Rosario)

«*Ferredoxina NADP(H) Reductasas: El éxito no siempre va asociado a la eficiencia*»

Dr. Ricardo WOLOSUK. (Fundación Instituto Leloir, Buenos Aires)

«*Multifuncionalidad en la regulación enzimática. Activación de la fructosa-1,6 - bisfosfatasa de los cloroplastos de colza por tioredoxina y 2-CYS peroxiredoxina*»

Dr. Alejandro VILA. (IBR. Universidad Nacional de Rosario)

«*Estructura, función y evolución de metalo-beta-lactamasas, enzimas modulares diseñadas para la resistencia bacteriana a antibióticos*»

Dr. Igor POLIKARPOV. (Instituto de Física de Sao Carlos/Univ.Sao Paulo, Brasil)

«*New X-ray Crystallographic Structures of Enzymes from Glucosyl Hydrolases Families 27, 32 and 35*»

SIMPOSIO 10**Cáncer.**

Coordinadores: Dras. Elba Vázquez e Isabel Luthy

Dr. Alfredo FUSCO (Facoltà di Medicina e Chirurgia, Università di Napoli «Federico II», 80131 Napoli, Italy)

«*Gene alterations in thyroid cancer: Role of the receptor tyrosine phosphatase DEP-1/PTPRJ, in thyroid carcinogenesis*»

Dr. Silvio GUTKIND. (NIH, USA)

«*AIDS Malignancies and Signaling Networks: A Case of Molecular Hijacking*»

Dr. Anthony TURNER. (School of Biochemistry, University of Leeds, U.K)

«*The angiotensin and endothelin-converting enzymes: molecular targets in virology, cancer and cardiovascular sciences*»

SIMPOSIO 11**Regulación central y periférica del balance de agua y sales.**

Coordinador: Dr. M. Vatta

Dr. José ANTUNES RODRIGUES. (Facultad de Medicina de Ribeirão Preto, SP, Brazil)

«*Homeostatic control of hydromineral balance: The role of carbon monoxide and nitric oxide in hyperosmolality-induced atrial natriuretic peptide release by hypothalamus in vitro*».

Dra. Laura VIVAS. (Instituto de Investigaciones Médicas Mercedes y Martín Ferreyra - CONICET)

«*Cerebral network underlying sodium balance regulation: Role of the oxitocinergeric and serotoninergeric system*»

Dr. Fernando IBARRA (Inst. Investigaciones Médicas Alfredo Lanari - CONICET)

«*Sistema dopaminérgico renal y regulación de la excreción de sodio*».

SIMPOSIO 12**Las bases neurobiológicas de la adicción a drogas.**

Coordinador: Dr. Carlos D'angelo (Coordinador del Area de Prevención y Control Doping. Secretaria de Deportes - Presidencia de la Nación)

Dr. Victor MOLINA. (Profesor Titular, Departamento de Farmacología, Facultad de Ciencias Químicas, U.N.C.)

«*Mecanismos neurobiológicos asociados a la hiperreactividad emocional inducida por abstinencia a drogas hipnótico-sedativas*»

Dr. Oscar RAMÍREZ. (Profesor Titular, Departamento de Farmacología, Facultad de Ciencias Químicas, U.N.C.)

«*La plasticidad sináptica en el hipocampo como posible sustrato neurobiológico de la tolerancia y dependencia condicionada a diazepam*»

Dr. Jonathan GEIGER. (University of North Dakota, USA) Prof and Chairman Department of Pharmacology,

Physiol and Therapeutics University of North Dakota Medical School Grand Forks, North Dakota, USA.)

«*Informed decision making on the use, misuse and abuse of substance use in sport*»

SIMPOSIO13**Nuevas técnicas para el estudio de sistemas biológicos.**

Coordinadores: Dra. Elizabeth Jares-Erijman (Facultad de Ciencias Exactas y Naturales - UBA), Dra. Lia Pietrasanta (Centro de Microscopias Avanzadas - UBA)

Dr. Thomas M. JOVIN. (Institute Max-Planck for Biophysical Chemistry, Germany)

«*Las múltiples caras de FRET*»

Dr. Ariel L. ESCOBAR. (Texas Tech. University Health Sciences Center, USA.)

«*Excitation-contraction coupling at the whole heart level*»

Dr. Vinod SUBRAMANIAM. (Biophysical Techniques Group, University of Tweente, The Netherlands.)

«*Novel multimode microscopy and nanomanipulation tools for biomolecular and cellular studies*»

Dr. Marcelo CEOLIN. (Centro Regional de Estudios Genómicos, AUGM-UNLP)

«*Aplicaciones no cristalográficas de la radiación síncrotron*»

SIMPOSIO 14**Fisiopatología endócrina,**

Coordinadora: Dra. Alicia Belgorosky

Dr. Kenneth KORACH (NIH, USA)

«*Differential Estrogen Receptor Action in Endocrine Physiology*»

Dr. Walter MILLER (Univ of California - San Francisco, USA)

«*The pathophysiology and action of the steroidogenic acute regulatory protein, StAR*».

Dr. Sergio OJEDA (Oregon Reg Primate Res Ctr, USA)

«*The neurobiology of female puberty*».

Dr. Marco RIVAROLA (Hosp. P. Garrahan, CONICET, Buenos Aires)

«*Crecimiento y función del testículo humano prepuberal*»

MINICURSOS DE LA SAIC Y DE LA SAFE

DESAYUNOS CON EXPERTOS DE LA SAI

SIMPOSIOS Y ACTIVIDADES DE LAS SOCIEDADES PROGRAMADAS PARA EL SABADO:

SIMPOSIO 15

Trophic Factors Signaling in the Nervous System.

Coordinadores: Dr. Marta Volosin (Fac. Cs. Químicas, Univ. Nac. Córdoba) y Dr Alfredo Cáceres (Instit. M. y M. Ferreyra. Córdoba)

Dra. Francisca BRONFMAN (Dept of Physiological Sciences at the Catholic University of Chile, Santiago)
«P75 neurotrophin receptor trafficking and signaling in the neuronal endocytic pathway»

Dr. Wilma FRIEDMAN. (Department of Biological Sciences at Rutgers University)
«Role of the p75 Neurotrophin Receptor in Mediating Neuronal Apoptosis in the CNS»

Dr. Néstor G CARRI, M.D., Ph.D. (IMBICE CONICET, Argentina)
«Developing retina: TGF-Beta came the second?»

Dr. Carlos IBANEZ (Department of Neuroscience at the Karolinska Institute in Stockholm, Sweden)
«Novel GDNF signaling pathways regulating neuronal precursor differentiation and migration»

SIMPOSIO 16

Acoplamiento excito-contráctil en el Miocardio.

Coordinadores: Dras. Alicia Mattiazzi y Elena Lascano

Dr. Martín VILA-PETROFF. (Centro de Investigaciones Cardiovasculares, La Plata.)
«Acoplamiento excito-contráctil (AEC) en el corazón normal e insuficiente»

Dra. Cecilia MUNDIÑA WEILENMANN. (Centro de Investigaciones Cardiovasculares, La Plata, Argentina)
«Rol de la fosforilación de proteínas del retículo sarcoplasmático (fosfolamban y receptor de rianodina) en el acoplamiento excito-contráctil (AEC) en el miocardio»

Dr. Héctor VALDIVIA. (University of Wisconsin Medical School, Madison, WI, USA.)
«Modulación del acoplamiento excito-contráctil cardíaco por proteínas accesorias del receptor de Rianodina (RyR)»

Dr. Nestor G. PEREZ (Centro de Investigaciones Cardiovasculares, La Plata)
«Estiramiento del músculo cardíaco: control autocrino/paracrino de la contractilidad miocárdica».

Dra. Elena LASCANO. (Departamento de Ciencias Fisiológicas, Farmacológicas y Bioquímicas, Universidad Favaloro, Buenos Aires.)

«Movimientos iónicos y rol de los canales de K⁺ dependientes de ATP en la sobrecarga de Ca²⁺ en la isquemia y reperfusión»

SIMPOSIO 17

Acuaporinas y Canales iónicos.

Coordinador: Dra. Claudia Capurro

Dr. Mario PARISI. (Depto. Fisiología y Biofísica, Fac. Medicina, Universidad de Buenos Aires (UBA), Buenos Aires, Argentina)

«De poros y canales, una breve reseña histórica»

Dr. Raul MARINELLI. (Instituto de Fisiología, Universidad Nacional de Rosario (UNR), Rosario, Argentina)
«Canales de agua (acuaporinas) en el hepatocito: expresión y tráfico intracelular»

Dra. María C. BRAÑES. (Departamento de Ciencias Fisiológicas, Pontificia Universidad Católica de Chile, Santiago, Chile)

«Regulación de la Expresión de Acuaporinas por Hormonas Ováricas en el Epitelio del Tracto Reproductivo»

Dr. Pablo SCHWARZBAUM. (IQUIFIB, Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires (UBA), Buenos Aires, Argentina.)

«Efectos de nucleótidos extracelulares y sus productos de hidrólisis sobre la regulación del volumen celular en hepatocitos de trucha (Oncorhynchus mykiss)»

Dr. Tomás A. SANTA COLOMA. (Instituto de Investigaciones Bioquímicas (IIB) Universidad de Buenos Aires (UBA), Buenos Aires, Argentina)

«Genes cuya expresión es regulada por la actividad del CFTR, canal de cloruro afectado en fibrosis quística»

SIMPOSIO 18

Biofísica de lípidos y proteínas.

Coordinadores: Dres. Horacio Garda y Betina Corsico. (Universidad Nacional de La Plata)

Dr. Sergio FERREIRA (Universidad Federal de Rio de Janeiro, Brasil)

«Metastable, partially folded intermediates in the folding and misfolding of proteins»

Dra. Graciela BORIOLI (Universidad Nacional de Córdoba, Argentina)

«Interaction of c-Fos and c-Jun with membrane phospholipids»

Dra. Silvia ANTOLLINI (Universidad Nacional del Sur, Argentina)

«¿Qué factores condicionan la orientación en la membrana del segmento gamma-M4 del Receptor Nicotínico de Acetilcolina?».

SIMPOSIO SATÉLITE DE LA SAIC

- *I Simposio Nacional de Investigación en Visión y Oftalmología*
Coordinadores: Dres. Ruth Rosenstein, A. Berra y E. Croxatto.

SIMPOSIO SATÉLITE DE LA SAIC

- *Reunión de la Asociación Argentina de Osteología y Metabolismo Mineral*

CONFERENCIAS BREVES: NOVEDADES EN NEUROCIENCIAS

- Dra. Cecilia BOUZAT. (INIBIBB, CONICET, Bahía Blanca, Argentina)
«Acoplamiento entre la Unión del Agonista y la Apertura del Canal en Receptores Pentaméricos de la Familia de Canales Iónicos Activados por Ligandos»
- Dra. Beatriz CAPUTTO. (Dpto. Cs. Químicas, Facultad de Cs. Químicas. Universidad Nacional de Córdoba. Córdoba, Argentina)
«c-fos: sólo un regulador nuclear de la diferenciación y proliferación celular, o también un efector citoplásmico?»

CONFERENCIAS DE INVESTIGADORES JÓVENES (SAN)

- Guillermo SPITZMAUL. (INIBIBB, CONICET. Bahía Blanca)
- Pablo PAEZ. (Química Biológ. Patológ., Dpto. Química Biológica, Fac. Farmacia y Bioquímica. Univ. de Buenos Aires).

JOINT MEETING OF BIOMEDICAL SOCIETIES

16-20 November, 2004
Mar del Plata
Hotel 13 de Julio

PROGRAMMED ACTIVITIES

CONFERENCES

OPENING LECTURE

- Dr. Kurt WUTHRICH
Chemistry Nobel Prize 2002
Eidgenössische Technische Hochschule, Zurich, Suiza y The Scripps Research Institute, La Jolla, USA
«The NMR view of proteins - from immune suppression to mad cow disease»

CLOSING LECTURE «ALFREDO LANARI»

- Dr. Eduardo CHARREAU
Senior Investigator CONICET. Full Professor. Department of Biological Chemistry. School of Exact and Natural Sciences. University of Buenos Aires. President of CONICET
«Cross-talk between the progesterone receptor and intracellular signaling pathways»

CONFERENCE «RANWEL CAPUTTO»

- Dr. Karl H. PFENNINGER, MD., Department of Cell and Developmental Biology, University of Colorado School of Medicine, Denver, CO, USA
«Growth cone pathfinding and the regulation of cell adhesion»

CONFERENCE «EDUARDO D.P. DE ROBERTIS»

- Dr. Francisco BARRANTES.
INIBIBB-CONICET, Bahía Blanca, Argentina
«Acetylcholine receptor: from molecule to cell»

CONFERENCE «LEONARDO SATZ»

- Dr Sebastián AMIGORENA
U520 INSERM, Institut Curie, Paris, Francia.
«ER-phagosome fusion defines a MMC class I cross-presentation compartment in dendritic cells»

CONFERENCE «ALBERTO TAQUINI»

- Dr. Martín ISTURIZ
Senior Investigator CONICET (National Academy of Medicine).
«Circulating immune complexes: physiology, physiopathogeny and regulation».

CONFERENCE INTERNATIONAL SOCIETY FOR NEUROCHEMISTRY

- Dr. Roberto MALINOW
Cold Spring Harbor Laboratories, USA.
«Mechanisms of neural plasticity»

PLENARY LECTURES

- Dr. Alfredo FUSCO
Facoltà di Medicina e Chirurgia, Università di Napoli «Federico II», 80131 Napoli, Italy.
«High mobility group proteins and cancer»
- Dr. Jonathan GEIGER
Prof and Chairman Department of Pharmacology, Physiology and Therapeutics, University of North Dakota Medical School Grand Forks, North Dakota, USA.
«Brain energy stores and their possible role in the homeostatic drive to sleep»

- Dr. A. KACELNIK
Department of Zoology, South Parks Road, OX1 3PS, Oxford, UK.
«Manufacture, selection and use of tools in non-primates»
- Dr. Francisco STEFANO
Director of Scientific Development. Amarin Technologies S.A. - Buenos Aires, Argentina
«Industry-University interaction from the perspective of a basic pharmacologist»
- Dr Gerardo VASTA
Center of Marine Biotechnology, University of Maryland Biotechnology Institute, Baltimore, Maryland, USA.
«Innate immunity: structural, functional and evolutionary aspects».
- Dr. Lino BARAÑAO
President of ANPCyT, SEPCyT
«Financial policy of the Agency»

SYMPOSIA

SYMPOSIUM 1

Gene Therapy.

Coordinators: Drs. Fernando Pitossi and Diana Jerusalinsky

Dr. Alberto EPSTEIN. (Lyon, France)

«Anti-proliferative properties of herpes-protein ICPO, expressed from amplicon-like herpes vectors»

Dr. Guillermo MAZZOLINI. (Navarra, Spain)

«Clinical experience in the treatment of advanced liver tumors using gene and cell therapy»

Dr. Alberto CROTTIGINI. (Buenos Aires, Argentina)

«Angiomiogenesis using gene therapy»

Dr. Osvaldo PODHAJECER. (Buenos Aires, Argentina)

«Gene therapy for autoimmune diseases: current status and perspectives»

SYMPOSIUM 2

Prescription using generics in Argentina.

Coordinator: Dr. Luis Malgor

Dr. Modesto RUBIO. (Director ININFA. Full Professor of the Pharmacology Department. FFyB. UBA.)

«Guarantee of efficacy in generic drugs»

Dr. Francisco JE STEFANO. (Director of Scientific Development. Amarin Technologies S.A. - Buenos Aires, Argentina)

«Generic drug, its origin, usefulness and safety»

Dr. Rodolfo ROTHLIN. (Full Professor of the Pharmacology Department. School of Medicine. UBA.)

SYMPOSIUM 3

Signal Transduction.

Coordinator: Dr. Omar Coso

Dr. Silvio GUTKIND. (NIH, USA)

«The RHOad from heterotrimeric G proteins to the nucleus»

Dr. Uri SARAGOVI. (University of Miami, USA)

«Chemical-Biology of cell surface receptors: better understanding of biological function with better chemical tools»

Dr. Sylvain CHEMTOB. (Universidad de Montreal, Canada)

«Nuclear G protein coupled receptors: a paradigm based on cognate receptors of lipid mediators»

Dra. Elizabeth JARES-ERIJMAN. (Facultad de Ciencias Exactas y Naturales, UBA)

«Probing the Erb family of receptor tyrosine kinases with Quantum Dots and FRET»

SYMPOSIUM 4

Biology of Reproduction

Coordinators: Drs. Marta Tesone, Patricia Cuasnicú and Mónica Vázquez-Levin

Dr. Pablo VISCONTI. (University of Massachusetts, USA)

«Regulation of capacitation by phosphorylation and changes in the membrane potential»

Dr. Paula STEIN. (University of Pennsylvania, USA)

«RNAi in oocytes and early murine embryos: something more than just a powerful tool»

Dr. Luigi DEVOTO. (School of Medicine. University of Chile)

«Functional role of steroidogenic acute regulatory (StAR) protein in corpus luteum»

Dra. Claudia TOMES. (IHEM-CONICET)
«Mechanism of membrane fusion during acrosomal exocytosis»

SYMPOSIUM 5

Dendritic cells in pathologic processes and in the regulation of the immune response

Coordinator: Dr. Jorge Geffner
 Dr. Sebastián AMIGORENA. (Institute Curie, INSERM, París, Francia)
«Dendritic cell-T cell interactions for the induction of priming and tolerance»
 Dr. Matthias VON HERRATH. (La Jolla Institute for Allergy and Immunology, San Diego, California USA.)
«Viral infection and autoimmunity good or bad»
 Dr. Donna L. FARBER (Associate Professor, Department of Surgery, University of Maryland at Baltimore)
«Long-term islet graft survival in nod mice by abrogation of recurrent autoimmunity»

SYMPOSIUM 6

Physiopathology of placenta.

Coordinator: Dr. Susana Genti
 Dr. Leslie MYATT. (Univ of Cincinnati, USA. Editor of Placenta journal)
«Oxidative and Nitrate Stress in the Human Placenta and Functional Effects»
 Dr. Graciela PANZETTA-DUTARI. (School of Chemical Sciences, UNC)
«Sequences and transcription factors involved in regulation of human trophoblast specific PSG5 gene expression»
 Dr. Alicia E. DAMIANO. (Department of Physiology. School of Medicine. UBA)
«Water and urea transport in normal and preeclamptic placenta»

SYMPOSIUM 7

Apoptosis

Coordinator: Dr. Gabriel A Rabinovich.
 Dr. María G. SANTORO. (Department of Biology, University of Rome Tor Vergata, Italy.)
«NF- κ B as a regulator of the proapoptotic activity of cyclopentenone prostanoids»
 Dr. Gerry MELINO. (Director of Biochemistry Laboratory, IDI-IRCCS, Department of Experimental Medicine, University of Rome Tor Vergata, Roma, Italy.)
«Degradation and function of P73 and P63IS inhibited by PML»

SYMPOSIUM 8

International Society for Neurochemistry Symposium: Channels and Synapses: Chemistry Meets Neurological Diseases?

Coordinators: Dr. Roberto MALINOW. (Cold Spring Harbor Laboratories, USA) and Dr. Osvaldo Uchitel (IFIBYNE CONICET, University of Buenos Aires)
 Dr. Osvaldo UCHITEL. (IFIBYNE CONICET, University of Buenos Aires)
«Functional compensation of calcium channels at synaptic terminals following gene knockout»
 Dr. Daniela PIETROBON (University of Padova, Italy)
«Mutant calcium channels and migraine»
 Dr. Shin HEE (Center of Calcium and Learning, Seoul Korea)
«The role of T-type Ca^{2+} channels in the sensory gating in the brain»

SYMPOSIUM 9

Enzymes, kinetics and mechanisms.

Coordinator: Dr. Alejandro Vila. IBR. (School of Biochemical and Pharmaceutical Sciences, National University of Rosario)
 Dr. Eduardo CECCARELLI. IBR. (National University of Rosario)
«Ferredoxine NADP(H) Reductases: Success is not always related to efficiency»
 Dr. Ricardo WOLOSUK. (Foundation Institute Leloir, Buenos Aires)
«Multifunctionality in enzyme regulation»
 Dr. Alejandro VILA. IBR. (National University of Rosario)
«Structure, function and evolution of metallo-beta-lactamases, modular enzymes designed for bacterial resistance to antibiotics»
 Dr. Igor POLIKARPOV. (Instituto de Física de Sao Carlos/Univ.Sao Paulo, Brasil.)
«New X-ray Crystallographic Structures of Enzymes from Glucosyl Hydrolases Families 27, 32 and 35»

SYMPOSIUM 10**Cancer**

Coordinators: Drs. Elba Vázquez and Isabel Lüthy

Dr. Alfredo FUSCO. (Facoltà di Medicina e Chirurgia, Università di Napoli «Federico II», 80131 Napoli, Italy.)
«Gene alterations in thyroid cancer: Role of the receptor tyrosine phosphatase DEP-1/PTPRJ, in thyroid carcinogenesis»

Dr. Silvio GUTKIND. NIH, USA

«AIDS Malignancies and Signaling Networks: A Case of Molecular Hijacking»

Dr. Anthony TURNER. (School of Biochemistry, University of Leeds, U.K)

«The angiotensin and endothelin-converting enzymes: molecular targets in virology, cancer and cardiovascular sciences»

SYMPOSIUM 11**Central and peripheral regulation of water-salt balance**

Coordinator: Dr. M. Vatta

Dr. José ANTUNES RODRIGUES. (School of Medicine Ribeirão Preto, SP, Brazil)

«Homeostatic control of hydromineral balance: The role of carbon monoxide and nitric oxide in hyperosmolality-induced atrial natriuretic peptide release by hypothalamus in vitro».

Dr. Laura VIVAS. (Inst of Medical Investigations Mercedes y Martín Ferreira - CONICET)

«Cerebral network underlying sodium balance regulation: Role of the oxitocineric and serotonineric system».

Dr. Fernando IBARRA. (Inst. of Medical Investigations Alfredo Lanari - CONICET)

«Renal dopaminergic system and sodium excretion regulation».

SYMPOSIUM 12**Neurobiological bases of drug addiction.**

Coordinator: Dr. Carlos D'Angelo (Coordinator of the Area of Doping Prevention and Control. Secretary of Sports – National Government)

Dr. Victor MOLINA. (Full Professor, Department of Pharmacology, School of Chemical Sciences, U.N.C.)

«Neurobiological mechanisms associated to emotional hyper-reactivity induced by abstinence to hypnotic-sedative drugs»

Dr. Oscar RAMÍREZ. (Full Professor, Department of Pharmacology, School of Chemical Sciences, U.N.C.)

«Synaptic plasticity in hippocampus as a possible neurobiological substrate for tolerance and conditioned dependency to diazepam»

Dr. Jonathan GEIGER (University of North Dakota, USA) Prof and Chairman Department of Pharmacology, Physiol and Therapeutics University of North Dakota Medical School Grand Forks, North Dakota, USA.)

«Informed decision making on the use, misuse and abuse of substance use in sport»

SYMPOSIUM 13**New techniques for the study of biological systems**

Coordinators: Dr. Elizabeth Jares-Erijman – School of Exact and Natural Sciences - UBA, Dr. Lia Pietrasanta - Center of advanced microscopy – UBA

Dr. Thomas M. JOVIN. (Institute Max-Planck for Biophysical Chemistry, Germany)

«Multiple faces of FRET»

Dr. Ariel L. ESCOBAR. (Texas Tech. University Health Sciences Center, USA.)

«Excitation-contraction coupling at the whole heart level»

Dr. Vinod SUBRAMANIAM. (Biophysical Techniques Group, University of Twente, The Netherlands.)

«Novel multimode microscopy and nanomanipulation tools for biomolecular and cellular studies»

Dr. Marcelo CEOLIN. (Regional Center for Genomic Studies, AUGM-UNLP)

«Non-crystallographic applications of synchrotron radiation»

SYMPOSIUM 14**Endocrine Physiopathology**

Coordinator: Dr. Alicia Belgorosky

Dr. Kenneth KORACH (NIH, USA)

«Differential Estrogen Receptor Action in Endocrine Physiology»

Dr. Walter MILLER (Univ of California - San Francisco, USA)

«The pathophysiology and action of StAR protein».

Dr. Sergio OJEDA (Oregon Reg Primate Res Ctr, USA)

«The neurobiology of female puberty»

Dr. Marco RIVAROLA (Hosp. P. Garrahan, CONICET, Buenos Aires)
«Growth and function of prepuberal human testis»

MINICOURSES (SAIC AND SAFE)

BREAKFAST WITH EXPERTS (SAI)

SYMPOSIA AND ACTIVITIES OF THE SOCIETIES PROGRAMMED FOR SATURDAY

SYMPOSIUM 15

Trophic Factors Signaling in the Nervous System

Coordinators: Dr. Marta Volosin (School Chemical Sciences, UNC) and Dr Alfredo Cáceres (Instituto M. y M. Ferreyra. Córdoba)

Dr. Francisca BRONFMAN (Assistant Professor in the Department of Physiological Sciences at the Catholic University of Chile, Santiago.)

«P75 neurotrophin receptor trafficking and signaling in the neuronal endocytic pathway»

Dr. Wilma FRIEDMAN (Associate Professor in the Department of Biological Sciences at Rutgers University.)

«Role of the p75 Neurotrophin Receptor in Mediating Neuronal Apoptosis in the CNS»

Dr. Néstor G CARRI, M.D., Ph.D. (is a Scientific Researcher of the National Research Council CONICET, Argentina.)

«Developing retina: TGF-Beta comes the second?»

Dr. Carlos IBANEZ (Professor in the Department of Neuroscience at the Karolinska Institute in Stockholm, Sweden)

«Novel GDNF signaling pathways regulating neuronal precursor differentiation and migration»

SYMPOSIUM 16

Excito-contraction coupling in myocardium.

Coordinators: Drs. Alicia Mattiazzi and Elena Lascano

Dr. Martín VILA-PETROFF. (Center for Cardiovascular Investigations, La Plata.)

«Excito-contraction coupling in normal or insufficient myocardium»

Dr. Cecilia MUNDIÑA WEILENMANN. (Center for Cardiovascular Investigations, La Plata, Argentina.)

«Role of protein phosphorylation in sarcoplasmic reticulum (fosfolamban and ryanodin receptor) in the excito-contraction coupling (AEC) in myocardium»

Dr. Héctor VALDIVIA. (University of Wisconsin Medical School, Madison, Wi, USA.)

«Modulation of the cardiac excito-contraction coupling by accessory proteins of the Ryanodin receptor (RyR)»

Dr. Nestor G. PEREZ (Center for Cardiovascular Investigations, La Plata.)

«Elongation of the cardiac muscle: autocrine/paracrine control of myocardial contraction».

Dr. Elena LASCANO. (Department of Physiological, Pharmacological and Biochemical Sciences, Favaloro University, Buenos Aires.)

«Ionic movements and role of K⁺ ATP-dependent channels on the Ca²⁺ overload in ischemia and reperfusion»

SYMPOSIUM 17

Novel GDNF signaling pathways regulating neuronal precursor differentiation and migration.

Coordinator: Dr. Claudia Capurro

Dr. Mario PARISI. (Dept. Physiology and Biophysics, Fac. Medicine, University of Buenos Aires (UBA), Buenos Aires, Argentina)

«Of pores and channels, a short historical review»

Dr. Raul MARINELLI. (Institute of Physiology, National University of Rosario (UNR), Rosario, Argentina)

«Water channels (aquaporins) in the hepatocyte: expression and intracellular trafficking»

María C. BRAÑES. (Department of Physiological Sciences, Pontificia Universidad Católica de Chile, Santiago, Chile.)

«Regulation of Aquaporin expression by ovarian hormones in the reproductive tract epithelium»

Dr. Pablo SCHWARZBAUM. (IQUIFIB, School of Pharmacy and Biochemistry, University of Buenos Aires (UBA), Buenos Aires, Argentina.)

«Effect of extracellular nucleotides and their hydrolysis products on the regulation of cell volume in hepatocytes of trout (Oncorhynchus mykiss)»

Dr. Tomás A. SANTA COLOMA. (Institute of Biochemical Investigations (IIB) University of Buenos Aires (UBA), Buenos Aires, Argentina.)

«Genes whose expression is regulated by the activity of CFTR, chloride channel affected in cystic fibrosis»

SYMPOSIUM 18

Biophysics of lipids and proteins

Coordinators: Horacio Garda and Betina Corsico. National University of La Plata

Dr. Sergio FERREIRA. (Universidade Federal de Rio de Janeiro, Brasil)

«Metastable, partially folded intermediates in the folding and misfolding of proteins»

Dra. Graciela BORIOLI. (National University of Córdoba, Argentina.)

«Interaction of c-Fos and c-Jun with membrane phospholipids»

Dra. Silvia ANTOLLINI. (National University of the South, Argentina)

«What factors condition the orientation of the gamma-M4 segment of acetylcholine nicotinic receptor in the membrane?»

SATELLITE SYMPOSIUM (SAIC)

- *I National Symposium on Investigation in Sight and Ophthalmology*
Coordinators: Drs. Ruth Rosenstein, A. Berra and E. Croxatto.

SATELLITE SYMPOSIUM (SAIC)

- *Meeting of the Argentinean Association of Osteology and Mineral Metabolism*

SHORT LECTURES: NEWS IN NEUROSCIENCES

- Dr. Cecilia BOUZAT. (INIBIBB, CONICET, Bahía Blanca, Argentina)
«Coupling between the agonist binding and channel opening in pentameric receptors belonging to the family of ligand-activated ionic channels»
- Dr. Beatriz CAPUTTO. (Dept. of Chemical Sciences, School of Chemical Sciences, National University of Córdoba. Córdoba, Argentina)
«c-fos: only a nuclear regulator of cell differentiation and proliferation, or also a cytoplasmic effector?»

YOUNG INVESTIGATORS LECTURES (SAN)

- Guillermo SPITZMAUL. (INIBIBB, CONICET. Bahía Blanca.)
- Pablo PAEZ. (Pathology and Biological Chemistry, Department of Biological Chemistry, School of Pharmacy and Biochemistry. University of Buenos Aires.)