



SAN

**SOCIEDAD ARGENTINA
DE INVESTIGACION
EN NEUROCIENCIAS**

**Boletín informativo
Diciembre 2014**
www.saneurociencias.org.ar

EN ESTE NUMERO :

- Próximo XXX Congreso de la SAN en Mar del Plata
- Programa Bec.ar. Convocatoria especial para Neurociencias
- Pagina de internet renovada!
- Semana mundial del cerebro
- Premio a la mejor Tesis y a presentaciones orales
- Premios de la Sociedad Argentina de Biología (SAB) a socios de la SAN
- Publicaciones destacadas publicadas recientemente por miembros de la SAN
- Encuentro Neuro-Frames
- Mapa de la investigación en neurociencias de Cataluña
- Congresos-encuentros-cursos
- Becas-oferta laboral- financiamiento

NOTICIAS

PROXIMO XXX CONGRESO DE LA SAN EN MAR DEL PLATA

A raíz de varias sugerencias recibidas de parte de Uds, hemos decidido festejar los 30 años de la Sociedad Argentina de Investigación en Neurociencias en un ambiente renovado. Los festejos se realizarán junto con la XXX Reunión Anual y el curso pre-congreso, del 27 de Septiembre al 1 de Octubre de 2015, en el Hotel 13 de Julio de la ciudad de Mar del Plata.

Disertantes confirmados



Brigitte Kieffer
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McGill University



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NYU Neuroscience Institute
New York University



Jorge Medina
IBCN-Facultad de Medicina
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Los esperamos!!!!!!

PROGRAMA Bec.ar. PARA CURSOS Y ESTADIAS EN EL EXTERIOR. NOVEDADES IMPORTANTES!

La SAN ha firmado un convenio con la jefatura de gabinete para el lanzamiento de una convocatoria especial para Neurociencias como parte del programa bec.ar (<http://bec.ar/>).

ACLARACIÓN IMPORTANTE: Por regulaciones impuestas por el BID a bec.ar, para obtener una beca para curso corto, el aplicante no puede tener una beca otorgada por el estado Argentino (ejemplo CONICET, Agencia, etc).

1. ESTADIAS CORTAS DE DOCTORADO EN NEUROCIENCIAS PARA PROFESIONALES ARGENTINOS EN LOS ESTADOS UNIDOS DE AMÉRICA, LA REPÚBLICA FRANCESA E INGLATERRA

Fechas de inscripción: 22/12/2014 - 25/03/2015

2. CURSO CORTO DE ESPECIALIZACIÓN EN NEUROCIENCIAS PARA PROFESIONALES ARGENTINOS EN LOS ESTADOS UNIDOS DE AMÉRICA, LA REPÚBLICA FRANCESA E INGLATERRA

Fechas de inscripción: 22/12/2014 - 25/03/2015

La SAN participará de la selección académica de los postulantes.

Esperamos contar con una gran cantidad de becarios interesados en estos programas.

Agradecemos al programa bec.ar por el apoyo brindado a la Neurociencia argentina.

PAGINA DE INTERNET RENOVADA!

Los invitamos a visitar nuestra página web renovada <http://www.saneurociencias.org.ar> y a seguirnos en Facebook.

PREMIO A LA MEJOR TESIS Y A PRESENTACIONES ORALES

Les informamos que el premio a la mejor Tesis será otorgado cada dos años. Por lo tanto en el año 2015 no se realizará el llamado y en el año 2016 se premiará a la mejor Tesis 2015-2016.

Por otro lado, en el Congreso 2015 se otorgarán dos premios a los mejores trabajos presentados en forma oral por estudiantes de doctorado.

SEMANA MUNDIAL DEL CEREBRO

La SAN ha decidido apoyar con un pequeño subsidio las siguientes actividades a realizarse durante la Semana Mundial del Cerebro (BAW, Brain Awareness Week), que acercan la neurociencia a la sociedad:

1 | Título del proyecto: **SEMANA DEL CEREBRO EN BERAZATEGUI**

Responsables: Ivana Bussi, Malena Mul Fedele y Leandro Casiraghi

Lugar de realización: Berazategui, Pcia. De Buenos Aires

2 | Título del proyecto: **EL CEREBRO GIGANTE**

Responsable: Evelin Cotella y Nicolás Unsain

Lugar de realización: Universidad nacional de Córdoba, Ciudad de Córdoba

3 | Título del proyecto: **ARTES & BELLAS NEUROCIENCIAS**

Responsable: Silvina Diaz

Lugar de realización: Museo de Bellas Artes, Ciudad de Buenos Aires

4 | Título del proyecto: **INVESTIGANDO EN NEUROCIENCIAS HOY**

Responsable: María Verónica Baez y Viviana Sanchez

Lugar de realización: Instituto de Biología Celular y Neurociencia (IBCN) "Prof. Dr. Eduardo de Robertis", Facultad de Medicina /UBA, Ciudad de Buenos Aires

5 | Título del proyecto: **EL CEREBRO QUÍMICO**

Responsables: Jesica Raingo, Mario Perello y Nicolás de Francesco

Lugar de realización: Museo de Ciencias Naturales, Ciudad de La Plata

6 | Título del proyecto: **SEMANA DEL CEREBRO-2015 EN BARILOCHE**

Responsable: Inés Samengo

Lugar de realización: Ciudad de Bariloche

PREMIOS DE LA SOCIEDAD ARGENTINA DE BIOLOGÍA (SAB) A SOCIOS DE LA SAN

La Sociedad Argentina de Biología premió a 3 laboratorios de Neurociencias, socios de la SAN, en el marco de sus XVI Jornadas Anuales. Los trabajos seleccionados fueron:

Premio Houssay 2014:

"El factor de transcripción islet1 controla la expresión hipotalámica de POMC en vertebrados y establece un circuito saciatorio que previene la obesidad" por Nasif, S.; González, L.; Roquera, D.; Silva Junqueira de Souza, D. y Rubinstein, M.

Premio Accesit 2014:

"Asignación de identidades neuronales en el tubo neural ventral: restricción del sistema serotoninérgico al cerebro posterior" por Di Bella, D.*; Carcagno, A.*; Sartoretti, M. y Lanuza, G.

Mención Especial:

"La retina de aves, la luz y los fotopigmentos no visuales. Una historia que sigue sumando participantes: ¿Son las células horizontales nuevos fotorreceptores?" por Morera, L.P.; Díaz, N.M. y Guido, M.E.

Felicitaciones a los premiados!

PUBLICACIONES DESTACADAS PUBLICADAS RECIENTEMENTE POR MIEMBROS DE LA SAN

Delayed Coupling to Feedback Inhibition during a Critical Period for the Integration of Adult-Born Granule Cells. Temprana SG, Mongiat LA, Yang SM, Trinchero MF, Alvarez DD, Kropff E, Giacomini D, Beltramone N, Lanuza GM, Schinder AF. *Neuron* [http://www.cell.com/neuron/abstract/S0896-6273\(14\)01075-7](http://www.cell.com/neuron/abstract/S0896-6273(14)01075-7)

Unraveling Mechanisms Underlying Partial Agonism in 5-HT_{3A} Receptors. Corradi J and Bouzat C. *J. Neurosci.*, 34(50):16865-16876. <http://www.jneurosci.org/content/34/50/16865.abstract>

Neurogenin3 Restricts Serotonergic Neuron Differentiation to the Hindbrain. Carcagno AL, Di Bella DJ, Goulding M, Guillemot F, Lanuza GM. *J. Neurosci.*, 34: 15223-33. <http://www.jneurosci.org/content/34/46/15223.short>

Reversible Behavioral Phenotypes in a Conditional Mouse Model of TDP-43 Proteinopathies. Alfieri JA, Pino NS, Igaz LM. *J. Neurosci.*, 34: 15244-59. <http://www.jneurosci.org/content/34/46/15244.short>

Mood regulation. GABA/glutamate co-release controls habenula output and is modified by antidepressant treatment. Shabel SJ, Proulx CD, Piriz J, Malinow R. *Science*, 45(6203):1494-8.

ENCUENTRO DE NEURO-FRAMES

En el marco del proyecto Neuro-Frames de cooperación con Francia, se llevó a cabo un workshop del 1 al 3 de diciembre en la Fundación Instituto Leloir. Al mismo asistieron autoridades y representantes de las distintas Sociedades de Neurociencias del Cono Sur (Argentina, Brasil, Chile y Uruguay), del CNRS e INSERM por Francia, de la ANII por Uruguay y del CONICET y MINCyT por nuestro país. Fue el comienzo de diálogo entre las partes con el objetivo de encontrar un instrumento específico para el área de la Neurociencia que estimule la cooperación científica entre dichos países.

Link: <http://www.saneurociencias.org.ar/encuentro-de-neuro-frames/>

MAPA DE LA INVESTIGACIÓN EN NEUROCIENCIAS DE CATALUÑA

Se trata de un recurso online de acceso libre que permite visualizar y realizar búsquedas sobre más de 130 grupos de investigación en neurociencias de Cataluña. Ha sido creado con el apoyo de la Sección de Neurobiología Experimental de la Societat Catalana de Biologia y el Institut de Neurociències de la Universitat Autònoma de Barcelona.

Link: <http://taller.iec.cat/neurocat/presentacio.asp?id=en>

CONGRESOS | ENCUENTROS | CURSOS

THIRD INTERNATIONAL WORKSHOP OF NEUROIMMUNOLOGY

Varadero, Cuba 2015

On behalf of Cuban Neuroimmunology Session is organizing the Third International Workshop on Neuroimmunology, which will be held on June 14th-19th, 2015 in Varadero, Cuba, during "First International Convention IMMUNOPHARMACOLOGY-VACCIPHARMA 2015", a meeting of the Cuban Pharmacology Society. As part of International Workshop on Neuroimmunology we are also organizing the First Latin American Course of Neuroimmunology o "LACNI Course", a pregress course that will be held on June 11-13, 2015 at CIREN in Havana. Both activities will take place under the auspicious of International Society of Neuroimmunology

The Scientific Committee will assemble a program including plenary lectures, symposia and interactive workshop, all reflecting the state of the art on the most current aspects in neuroimmunology, neuroimmunomodulation neuroimmunopharmacology and neuroplasticity in autoimmune, neurodegenerative and neurodevelopmental disorders.

LACNI Course, an IBRO course will target interdisciplinary students from undergraduate to PhD level selected by their background. In case you are interested on applying to both IWNI and/or "LACNI Course", contact organizers to: maria.robinson@infomed.sld.cu.

Applicantions and abstract for both the course and the IWNI must be received by organizing committee before February 15st, 2015

Invited Speakers: Jack Antel (Cánada), Carlos Alberto Goncalves (Brasil), Gianvito Martino (Italy), Dario Siniscalco (Italy), Alina González Quevedo (Cuba), Ileana Lopetegui (Cuba), Diogo Onofre (Brasil), Marcelo Kreiner (Uruguay), Liliana Francis Turner (Colombia), Osvaldo Daniel Uchitel (Argentina), Hartmut Wekerle (Germany), Margaret Fahnestock (Canada), Eduardo Arzt (Argentina), Cinthia Farina (Italy), Jorge Bergado Rosado (Cuba), Gisell Pentón Rol (Cuba)

Main Topics: Crosstalk of Immune and nervous systems, Neuroinflammation and Neurodegeneration, Neuroimmune mechanism in tissues injury and repair and neural plasticity, CNS and PNS autoimmunity, Neuroimmunology of the pregnancy, Neuroimmunoembryology and brain development, Multiple sclerosis, NMO, Stem cells therapy, Neuroimmunology of the microbiota, T-cells in Neuroimmune Diseases, Molecular mechanisms in psychiatric and neurodevelopmental disorder, Astrocyte signaling in neuroinflammation, Neuroimmunomodulation and CNS diseases, Alzheimer disease, Epilepsy, Stroke, Huntington disease.

Contact information: Maria Robinson, E mail: maria.robinson@infomed.sld.cu

Website: <http://www.immunovaccipharmacuba.com>

Website: <http://www.ciren.cu>

FENS FORUM 2016

The 10th FENS Forum of Neuroscience is Europe's preeminent neuroscience meeting: where European Neuroscience Meets the World. By uniting thousands of participants, the FENS Forum 2016 will facilitate and promote the exchange of knowledge and neuroscience research. Molecules and photons, neurodegenerative diseases and stem cells are only a few of the key topics to be covered by a top-level scientific programme, alongside lively networking and social events. The FENS Forum is a meeting point for the world's top experts, mid-career scientists, post-docs and students.

We look forward to welcoming you to Copenhagen, the capital of Northern Europe, on July 2-6, 2016 for an engaging scientific experience among the world's top neuroscientists.

Mark your calendar for this innovative and important gathering.

For more information and updates please visit our website: <http://forum2016.fens.org/>

CALL FOR PROPOSALS

FENS is actively engaged in the preparation of the scientific programme for FENS Forum 2016.

The Programme Committee will establish the scientific programme of the FENS Forum 2016 on the basis of proposals from scientists from all over the world and all areas of neuroscience research.

Call for submission of symposium and technical workshop proposals will be open from February 2 – March 2, 2015

For further information and guidelines for both symposium and technical workshop proposals click here:

<http://forum2016.fens.org/forum-programme/call-for-proposals>

We look forward to seeing you in Copenhagen!

Connectomics. Neuroscience School of Advanced Studies.

Villa Finaly, Florence. Tuscany
May 9-16, 2015

Coordinators:

Richard Frackowiak, CHUV and Human Brain Project, Lausanne (Switzerland) and Francesco Pavone, University of Florence (Italy)

Faculty:

Paul Thompson, University of Southern California, Los Angeles, USA

Hanchuan Peng, Allen Institute for Brain Sciences, Seattle, USA

Alexander Borst, Max Planck Institute of Neurobiology, Munich, Germany

Jean Francois Mangin, CEA, Gif-sur-Yvette, France

Kevin Briggman, National Institute of Health, Bethesda, USA

Hongkui Zeng, Allen Institute for Brain Sciences, Seattle, USA

The application of modern computerized analytic techniques is leading to significant progress in the application of advanced human neuroimaging to clinical science. The variety of ways in which brain tissues can be characterised by modern MRI is also having an impact on the understanding of disease mechanisms: the development of sophisticated, rule-based, image classification and data-mining techniques is also setting the ground for potential further advance.

From genes, through functional protein expression, to cerebral networks and functionally specialised areas we have accumulated a mass of knowledge about the brain that defies easy interpretation. Advances in information technologies, from supercomputers to distributed and interactive databases, allied to new mathematics, knowledge of the human genome, and the increasingly sophisticated brain imaging methods will make it possible to federate and integrate existing and future clinical and neuroscientific data for a more biologically-based, mechanistic approach to brain disorders. This Advanced Course will be a forum where researchers from diverse disciplines will meet, will interact, and will bring cross-disciplinary understanding of new findings.

Specific topics that will be major focus include: - The Human Brain Project - Advanced computational imaging techniques and applications for connectomes - Brain optical imaging - Genetic approaches to cell type targeting and circuit mapping - Mapping the mesoscale connectomes - Global tractography, atlas of bundles and connectivity-based parcellation - Neural circuits for elementary motion detection - Cellular resolution connectomics

Link: <http://www.nsas.it/connectomics>

Neuroepigenetics. Neuroscience School of Advanced Studies.

Villa Finaly, Florence. Tuscany

May 16 - 23, 2015

Coordinator:

Schahram Akbarian, Icahn School of Medicine at Mount Sinai, New York, USA

Faculty:

Angel Barco, Instituto de Neurociencias de Alicante, Spain

Andre Fischer, German Center for Neurodegenerative Diseases (DZNE) Göttingen, Germany

Alessandro Guidotti, University of Illinois, Chicago, USA

Farah Lubin, Department of Neurobiology, University of Alabama, Birmingham, USA

Isabelle Mansuy, Brain Research Institute, ETH Zürich, Switzerland

Ian Maze, Friedman Brain Institute, Icahn School of Medicine at Mount Sinai, New York, USA

Arturas Petronis, CAMH & Department of Psychiatry, University of Toronto, Canada

Understanding the origins of normal and pathological CNS function and behavior is one of the biggest challenges in contemporary biomedical research. There is increasing evidence that, in addition to DNA sequence and the environment, epigenetic modifications of DNA and histone proteins may contribute to complex phenotypes. Inherited and/or acquired epigenetic factors are partially stable and have regulatory roles in numerous genetic and genomic activities, thus making epigenetics a promising research path in etiological studies of neuropsychiatric disease.

Epigenetic mechanisms are important regulators of gene activity in all organs and cells. In the nervous system, these mechanisms contribute to the control of genetic programs engaged during the development and the formation of neural circuits, and that are necessary for the activity and functions of the mature brain. Brain cells carry many epigenetic marks that greatly vary within cells and between individuals. These marks are dynamically regulated across life, and can be modulated by environmental factors. Also, epigenetic processes play a role in memory consolidation and help to transmit acquired memories even across generations in a Lamarckian manner.

Neuroepigenetics is currently in a highly dynamic stage moving from merely describing phenomena to obtaining mechanistic insight and, for example, Compounds that target the epigenetic machinery were found to enhance memory function in rodents and ameliorate disease phenotypes in models for brain diseases such as Alzheimer's disease, Huntington's chorea, mood disorders and schizophrenia.

Emerging concepts of the neuronal cytoskeleton, Chile 2015

Puerto Varas, Chile

22 – 26 March 2015

About the workshop

The shape and function of nerve cells is critically dependent on the cytoskeleton, which is a dynamic system of intracellular protein polymers of astonishing complexity and versatility. The cytoskeleton controls all aspects of neuronal shape and motility, including cell migration and axon pathfinding, which define the architecture and wiring pattern of the nervous system, and synaptic morphology and stability, which form the structural basis of learning, memory and cognition. The cytoskeleton also orchestrates the intracellular traffic of macromolecules and membranous organelles that is fundamental to all aspects of nerve cell function.

This EMBO Workshop will explore emerging concepts in a number of exciting areas of cytoskeletal research in neurons, including the mechanisms of axonal transport, cytoskeletal dynamics in dendritic spines, the role of the cytoskeleton in the establishment and maintenance of neuronal polarity and in axon growth and guidance, and alterations of the cytoskeleton in neurodegenerative diseases.

Link: <http://events.embo.org/15-cytoskeleton/>

The 9th Canadian IBRO School is taking place May 13 - 23, 2015 in Vancouver, British Columbia, Canada.

The topic is "Development and Disease"

Link for additional information:

<http://ibro.info/events/applications-open-for-the-9th-ibrousrc-canadian-school-of-neuroscience//>

Marine Biological Association Courses (UK)

Opened for applications for the 2015 workshop in microelectrode techniques for cell physiology.

Link: <http://www.mba.ac.uk/microelectrode-techniques-for-cell-physiology/>

Advanced Optical Course.

Link: <http://www.mba.ac.uk/embo-course/>

BECAS | OFERTA LABORAL | FINANCIAMIENTO

licenciatura | doctorado | postdoc

1 Búsqueda de candidato/a para presentarse a BECA DOCTORAL CONICET 2015

En el laboratorio de Genética del Comportamiento -Fundación Instituto Leloir- queremos incorporar a un graduado/a en Ciencias Biológicas, Bioquímica, Biotecnología o Medicina (o estudiante próximo a recibirse) en condiciones de presentarse a beca doctoral de CONICET en la convocatoria 2015.

Estamos interesados en entender como los genes reloj controlan algunos comportamientos rítmicos, como por ejemplo el estar activo durante el día y descansar durante la noche; más específicamente, intentamos entender como distintos relojes residentes en grupos neuronales específicos que forman la red circadiana coordinan su acción para dar como resultado un comportamiento coherente. Para entender la lógica de estos procesos empleamos como organismo modelo a la mosca de la fruta *Drosophila melanogaster*, y una variedad de enfoques genéticos los cuales sumados a técnicas de inmunohistoquímica, microscopía confocal, análisis comportamentales y fisiología nos han permitido ir definiendo algunos de los procesos subyacentes (Beckwith EJ et al. 2013; Gorostiza EA and Ceriani MF. 2013; Beckwith EJ and Ceriani MF. 2014; Depetris-Chauvin A et al. 2014; Gorostiza EA et al. 2014).

Interesados por favor enviar una carta detallando sus intereses y un CV a:

M. Fernanda Ceriani, fceriani@leloir.org.ar

2 Permanent group leader positions at the Pasteur Institut (Paris)

The Department of Neuroscience at Institut Pasteur (Paris) launches a call for junior, mid-career and senior group leaders. We encourage applications from outstanding individuals interested in the development, plasticity, computational and pathophysiology of sensory and cognitive circuits in mammalian brain (rodents to humans). Applications will be evaluated on the basis of scientific excellence. Successful candidates will be appointed with a permanent position.

Further information can be found on the Departmental website: <http://www.pasteur.fr/en/research/neuroscience/open-positions>

Deadline: **December 30, 2014**

Acerca del Boletín

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se recuerda que los
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información para
su publicación hasta
el día 3 de cada mes

Todos los boletines y más información pueden encontrarse en nuestra página web
www.saneurociencias.org.ar



FELICES FIESTAS Y BUEN 2015!!!!