

**Poster Session 2: Thursday, 4th November, from 09:00 to 12:30, Exhibition Hall.**

PS2-01

ADAMTS2 and Poly (I:C): Genetic and environmental mouse models of Schizophrenia disorder.

Miss Celia Martín-Cuevas^{1,2}, Mr Víctor Darío Ramos-Herrero², Dr. Susana García-Cerro^{1,2}, Dr. Manuel Canal-Rivero^{1,2,3}, Miss Nathalia Garrido-Torres^{1,2,3}, Mr. Idalino Rocha-González^{1,2,3}, Dr. Miguel Ruíz-Veguilla^{1,2,3,4}, Dr. Benedicto Crespo-Facorro^{1,2,3,4}, Dr. Ana Carmen Sánchez-Hidalgo^{1,2}

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PS2-02

CHROMATIN SIGNATURES OF NEURONAL SUBPOPULATIONS WITH DIVERGENT PROJECTION AT THE MIDLINE IDENTIFY NOVEL WIRING REGULATORS

Dr. Marta Fernández-Nogales¹, María Teresa López-Cascales¹, Dr. Rafael Muñoz-Viana¹, Dr. Jordi Fernández-Albert¹, Dr. Verónica Murcia-Belmonte¹, Dr. Ángel Barco¹, Dr. Eloísa Herrera¹

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PS2-03

A ribo-tag based screen identifies a cohort of proteins locally translated at the axons during axonal navigation

Dr. Veronica Murcia-Belmonte¹, M Teresa López-Cascales¹, Dr Angel Barco¹, Dr Eloisa Herrera¹

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PS2-04

Developmental-based classification of neurons in the chicken central extended amygdala

Ms. Alessandra Pross^{1,2}, Mr. Alek Hanafi Metwalli^{1,2}, Dr. Ester Desfilis^{1,2}, Prof. Loreta Medina^{1,2}

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PS2-05

Wnt1 effect on the Fasciculus retroflexus axonal navigation.

Ms. Verónica Company¹, Ms. Ana Moreno-Cerdá¹, Ms. Francisca Almagro-García¹, Dr. Salvador Martínez¹, Dr. Diego Echevarría¹, Dr. Eduardo Puellas¹

¹Instituto De Neurociencias (UMH-CSIC), Sant Joan D'Alacant, Spain



PS2-06

Wnt1 role in the specification and differentiation of the habenular complex.

Ms. Ana Moreno Cerdá¹, Ms Verónica Company¹, Ms Raquel Murcia-Ramón¹, Dr. Abraham Andreu-Cervera¹, Ms Francisca Almagro-García¹, Dr Salvador Martínez¹, Dr Diego Echevarría¹, Dr Eduardo Puellas¹

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PS2-07

Otp expression in cortical neurons throughout ontogenesis

Ms. Lorena Morales^{1,2}, Doctor Ester Desfilis^{1,2}, Professor Loreta Medina^{1,2}

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PS2-08

Expression of gonadal hormones' receptors in Otp-related social behavior network

Ms. Alba Gonzalez-Alonso^{1,2}, Ms Lorena Morales^{1,2}, Doctor Antonio Abellán^{1,2}, Professor Loreta Medina^{1,2}, Doctor Ester Desfilis^{1,2}

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PS2-09

Astrocytes gate spike timing dependent plasticity in the Nucleus Accumbens

Mr. Samuel Alberquilla¹, Dra Carmen Nanclares², Dra Rosario Moratalla¹, Dr Alfonso Araque², Dr Eduardo Daniel Martín¹

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PS2-10

Neuromuscular activity regulates PKA catalytic and regulatory subunits and its downstream signaling pathway for ACh release at the NMJ

Ms. Aleksandra Polishchuk¹, Mr. Victor Cilleros-Mañé¹, Ms. Laia Just-Borràs¹, Ms. Maria Durán-Vigara¹, Mr. Genís Vandellós¹, Ms. Marta Balanyà Segura¹, Ms. Gemma Argilaga¹, Dr. Marta Tomàs¹, Dr. Neus Garcia¹, Dr. Josep Tomàs¹, Dr. Maria Angel Lanuza¹

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PS2-11

Basal autophagy inhibition in microglia diminishes phagocytosis of apoptotic cells and microglial survival



Dr. Ainhoa Plaza-Zabala^{1,2}, Miss Virginia Sierra-Torre^{1,2}, Dr. Guillermo Mariño^{3,4}, Dr. Travis Faust⁵, Dr. Dorothy Schafer⁵, Dr. Amanda Sierra^{1,2,6}

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PS2-12

Modification of the extracellular matrix impairs microglial motility

Dr. Federico Soria^{1,2,3}, Lic. Irene Tomé-Velasco¹

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PS2-13

Brain estrogen synthesis regulates synaptic inhibition in female hippocampus

Dr. Alicia Hernández-Vivanco¹, Dr. Íñigo Azcoitia², Alba González-Alonso¹, Dr. Pablo Méndez¹

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PS2-14

EFFECTS OF TRANSCRANIAL DIRECT-CURRENT STIMULATION (tDCS) ON THALAMOCORTICAL SENSORY PATHWAY IN AWAKE MICE

Mr. Guillermo Sánchez-Garrido Campos¹, Ms. Marta Estévez-Rodríguez¹, PhD Isabel Cordones¹, PhD Javier Márquez-Ruiz¹

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PS2-15

Characterization of synaptic transmission occurring in olfactory glomeruli of *X. tropicalis* tadpoles in vivo

Ms. Marta Casas², Dr. Artur Llobet²

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PS2-16

Towards pharmacological modulation of microglial phagocytosis

Ms. Noelia Rodriguez-Iglesias^{1,2}, Mr. Iñaki Paris^{1,2}, Dr. Jorge Valero³, Dr. Amanda Sierra^{1,2,4}

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PS2-17

TRESK background potassium channel modulates thermal sensitivity in mice

Ms. Anna Pujol-Coma¹, Ms. Emily Eriksson¹, Dr. Gerard Callejo^{1,2}, Dr. Núria Comes^{1,2}, Dr. Xavier Gasull^{1,2}

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PS2-18

Pre- and postsynaptic organization of C-type synapses on motor neurons are regulated by the different isoforms of Neuregulin 1

Dr. Anna Casanovas¹, Ms. Sara Salvany¹, Ms. Lúcia Piedrafita¹, Ms. Sílvia Gras¹, Ms. Alaó Gatiús¹, Ms. Alba Blasco¹, Dr. Olga Tarabal¹, Dr. Sara Hernández¹, Prof. Jordi Calderó¹, Dr. Markus H. Schwab², Prof. Josep E. Esquerda¹

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PS2-19

Transcranial direct current stimulation effects across motor cortex layers on awake mice

Dr. Carlos Andres Sanchez Leon¹, Dr. Christoph van Thriel¹, Dr. Michael Nitsche¹

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PS2-20

The role of caspase 8 in the dopaminergic system

Ms. Isabel María Alonso-Bellido^{1,2}, Dr. Irene García-Domínguez^{1,2}, Dr. Irene Suárez-Pereira³, Dr. Juan Garcia-Revilla^{1,2}, Prof. Dr. Martiniano Santiago^{1,2}, Dr. Ana María Espinosa-Oliva^{1,2}, Dr. Esther Berrocoso, Prof. Dr. José Luis Venero^{1,2}, Dr. Rocío M. De Pablos^{1,2}, Dr. Rocío Ruiz^{1,2}

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PS2-21

ROLE OF PI3K CATALYTIC ISOFORMS IN NEURONAL METABOLISM

Ms. Alba Fernández-Rodrigo¹, Dr. Carla Sánchez-Castillo¹, Dr. María Isabel Cuartero², Mrs. Cristina Boers¹, Dr. José Antonio Esteban¹

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PS2-22

ROLE OF PI3-KINASE REGULATORY SUBUNIT (P85) IN THE STRUCTURAL PLASTICITY OF DENDRITIC SPINES**Mr. Sergio López García¹**, Mr. Pablo Zamorano González², Prof. Jose Antonio Esteban García¹¹Centro de Biología Molecular Severo Ochoa (CBMSO), Madrid, Spain, ²Facultad de medicina- Universidad de Málaga, Málaga, Spain

PS2-23

The microglial P2Y6 receptor mediates neuronal loss and memory deficits in neurodegeneration**Dr. Mar Puigdelívol^{1,2}**, Dr. Stefan Milde², Dr. Anna Vilalta², Dr. Tom Cockram², Dr. David H. Allendorf², Mr. Jeff Lee², Dr. Miguel A. Burguillos², Ms. Katryna Pampuščenko³, Dr. Vilmante Borutaite³, Dr. Hugh N. Nuthall⁴, Dr. Jack H. Brelstaff², Prof. Maria Grazia Spillantini², Prof. Guy C. Brown²¹Universitat De Barcelona, Barcelona, Spain, ²University of Cambridge, Cambridge, United Kingdom, ³Lithuanian University of Health Sciences, Kaunas, Lithuania, ⁴Eli Lilly Research & Development, Erl Wood Manor, United Kingdom

PS2-24

RAS SIGNALING DURING METABOTROPIC GLUTAMATE RECEPTOR DEPENDENT LONG TERM DEPRESSION (mGluR-LTD).**Ms. Esperanza López-Merino¹**, PhD. Víctor Briz¹, Ms. Jessie Jiang¹, PhD. Jose A. Esteban¹¹Centro de Biología Molecular Severo Ochoa, Madrid, Spain

PS2-25

On the G protein-coupled heteroreceptor complexes neuromodulation of the ClaustrumMr. Ramon Fores-pons^{1,2}, **Dr. Manuel Narvaez¹**, Mr. Alexander Lopez-Salas², Dr. Kjell Fuxe², Dr. Dasiel Oscar Borroto-Escuela^{1,2}¹Instituto De Investigación Biomédica De Málaga, Facultad De Medicina, Universidad De Málaga, Malaga, Spain,²Department of Neuroscience. Karolinska Institutet. , Stockholm, Sweden

PS2-26

A comparative study of the somatosensory cortex and the hippocampus in adult mice. From the synaptome to the connectome.**Ms. Marta Turégano-López^{1,2}**, Dr. Andrea Santuy^{1,3}, Dr. José Rodrigo Rodríguez^{1,4}, Dr. Ángel Merchán-Pérez^{1,5}, Dr. Javier DeFelipe^{1,4}¹Centro de Tecnología Biomédica. Universidad Politécnica de Madrid. , Madrid, Spain, ²PhD Program in Neuroscience, Autonoma de Madrid University, Madrid 28029, Spain, ³Hertie Institute for Clinical Brain Research Otfried-Müller-Str.2772076 , Tübingen, Germany, ⁴Cajal Institute. CSIC, Madrid, Spain, ⁵Architecture and Informatics System Technology. Universidad Politécnica de Madrid, Madrid, Spain



PS2-27

NMDAR BLOCKING BY MK801 PRODUCES SPECIFIC OSCILLATORY CHANGES IN THE HIPPOCAMPUS AND THE PREFRONTAL CORTEX IMPAIRING WORKING MEMORY AND PLACE CELL FIRING

Mr. Pablo Abad Pérez^{1,2}, Dr. Luis Martínez Otero², Dr. Roger Redondo³, Dr. Victor Borrell², Dr. Jorge Brotons Mas^{1,2}

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PS2-28

Age-dependent neural coding in the basal forebrain during a Pavlovian task

Dr. Sergio Martinez Bellver^{1,2}, Anna Velencei², Dr. Nicola Solari², Claire-Hélène de Belval³, Dr. Balazs Hangya²

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PS2-29

Dopaminergic blockades decrease physical exercise maintenance response.

Mr. Daniel Garrigos¹, Mr. Alberto Barreda¹, Dr. Marta Martínez-Morga¹, Dr. Angel Toval¹, Mr. Yevheniy Kutsenko¹, Dr. Kuei Y. Tseng², Dr. José Luis Ferrán¹

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PS2-30

Increased excitability of parvalbumin-positive interneurons in premotor cortical area in a mouse model of obsessive-compulsive disorder

Mr. Santiago Reyes-León¹, Mr. Emilio Martínez-Márquez¹, Mrs. Guadalupe Asensio-Gómez¹, Dr. Pablo García-Junco-Clemente¹, Dr. José Luis Nieto-González¹

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PS2-31

Area-specific patterns of convergent thalamic inputs to the mouse motor cortex

Ms. Carmen Alonso-Martínez¹, Dr. César Porrero¹, Dr. Francisco Clascá¹

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PS2-32

BBI: A Brain-Bacteria Interface to reveal and compute real-time changes in neuronal activity induced by bacterial presence

Dr. Celia Herrera-Rincon^{1,2}, Prof. Michael Levin², Dr. Antonio Murciano¹, Dr. Francisco Conejero¹, Mrs. Julia Murciano¹, Ms. Martín Garcia-Montes¹

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PS2-33

Electric fields modulation of epileptiform discharges in the cerebral cortex in vitro

Ms. Joana Covelo¹, Dr. Almudena Barbero-Castillo¹, Ms. Alessandra Camassa¹, Prof. Dr. María Victoria Sánchez-Vives^{1,2}

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PS2-34

Human α -synuclein overexpression in mouse serotonin neurons elicits a depressive phenotype: Focus on brain connectivity and synaptic density

Mrs. María Torres-López^{1,2}, Mr. Lluís Miguel-Rio^{1,2,3}, Mrs. Verónica Paz^{1,2,3}, Dr. Carme Casal¹, Mrs. Enma Muñoz-Moreno⁴, Dr. Xavier López-Gil⁴, Dr. Analia Bortolozzi^{1,2,3}

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PS2-35

A neuroanatomical pathway for the integration of pheromonal and spatial information.

Mr. Manuel Esteban. Vila-Martin^{1,2}, Ms. María. Villafranca-Faus², Ms. Anna. Teruel-Sanchis¹, Mr. Daniel. Esteve², Mr. Esteban Merino², Dr. Sergio Martínez-Bellver², Dra. Joana. Martínez-Ricós², Dra. Ana. Cervera-Ferri², Dra. Ana. Lloret², Dr. Vicent. Teruel-Martí², Prof. Enrique Lanuza¹

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PS2-36

Rotations of prefrontal working memory representations to protect from task interference in a dual-task paradigm

Dr. Alexandre Mahrach¹, Xian Zhang^{2,3}, Da Li^{2,3}, Dr Chengyu Tony Li^{2,3}, Dr Albert Compte¹

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PS2-37

Understanding the Potential Role of Sirtuin 2 on Aging: Consequences of SIRT2.3 Overexpression in Senescence

Ms. Noemí Sola-Sevilla¹, Dr. Ana Ricobaraza¹, Dr. Rubén Hernandez-Alcoceba¹, Dr. Maria S. Aymerich¹, Dr. Rosa M. Tordera¹, Dr. Elena Puerta¹

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PS2-38

THE SOCIAL COMPONENT OF ENVIRONMENTAL ENRICHMENT IS A PRO-NEUROGENIC STIMULUS IN ADULT C57BL6 FEMALE MICE

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PS2-39

Dealing with motherhood: Gene expression changes induced by pregnancy and lactation but not pup stimuli in the mouse medial amygdala

Dr. Maria Abellán-Álvarez¹, Dr. Guillermo Ayala², Dr. Manuela Barneo-Muñoz³, Dr. Fernando Martínez-García³, Dr Carmen Agustín-Pavón¹, Dr Enrique Lanuza¹

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PS2-41

Galanin and neuropeptide Y interactions linked to neuronal precursor cells of the dentate gyrus in the hippocampus. Role in depression and cognitive impairment.

D. Ramon Fores-Pons^{1,2}, Dr. Dasiel O. Borroto-Escuela^{2,3,4}, D^a Mariana Pita-Rodríguez^{1,2,5}, Dr. Miguel A Barbancho¹, Dr. Alexander López-Salas², D^a Paloma Rosas-Marqués¹, D. Pablo Zamorano-González¹, Dr. Kjell Fuxe², Dra. Natalia Garcia Casares^{1,2}, **Dr. Manuel Narvaez^{1,2}**

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PS2-42

INDIVIDUAL VARIATION IN DROSOPHILA MELANOGASTER IMPACTS FEEDING BEHAVIOR

Mr. Ruben Molla Albaladejo¹, Mrs. Sara Adelaida Del Rey Mateos¹, Dr. Juan Antonio Sanchez Alcañiz¹

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PS2-43

Relevance of metalloproteinase-9 in depression: a study in transgenic animal models

Ms. Júlia Senserrich^{1,2,3}, Dra. Eva Florensa-Zanuy^{1,2}, Dr. Álvaro Díaz^{1,2,3}, Dr. Ángel Pazos^{1,2,3}, Dra. Elena Castro^{1,2,3}, Dra. Fuencisla Pilar-Cuellar^{1,2,3}

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PS2-44

Effects of chronic CB1 receptor agonist ACEA in a mouse model of Alzheimer's Disease.

Dr. Carla Ramon Duaso¹, Ms. Laura Vidal Palencia¹, Mr. Jose Antonio González Parra¹, Dr. Arnau Busquets Garcia¹

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PS2-45

The associative striatum mediates flexible expectation-based choice biases

Dr. Carlos Sindreu¹, Dr. Rafael Marín¹, Ms Lorena Jimenez¹, Dr. Yerko Fuentealba¹, Dr. Daniel Duque¹, Dr. Jaime de la Rocha¹

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PS2-46

Modulation of gut microbiota as a therapeutic approach to improve behavioural deficits in a mouse model of Down syndrome.

Mr. Jose Antonio Gonzalez Parra¹, Dr. Elk Kossatz¹, Ms. Emma Veza¹, Dr. Patricia Robledo^{1,2}, Dr. Arnau Busquets Garcia¹, Dr. Neus Pizarro^{1,3}

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PS2-47

Sub-chronic peripheral cannabinoid type-1 receptor blockade enhances cognitive performance in naïve mice and in a model of fragile X syndromeDr. Sara Martínez-Torres^{1,2,3}, **Ms. Araceli Bergadà-Martínez¹**, Ms. Lucía de los Reyes-Ramírez¹, Ms. Irene Martínez-Gallego⁴, Prof. Antonio Rodríguez-Moreno⁴, Prof. Rafael Maldonado^{1,5}, Prof. Andrés Ozaita^{1,5}¹University Pompeu Fabra, Barcelona, Spain, ²Institute for Bioengineering of Catalonia, Barcelona, Spain, ³University of Barcelona, Barcelona, Spain, ⁴University Pablo de Olavide, Seville, Spain, ⁵IMIM (Hospital del Mar Medical Research Institute), Barcelona, Spain

PS2-48

Neuraminidase-induced neuroinflammation causes anxiety and microgliosis in the amygdala**Ms. Ana León-Rodríguez¹**, Ms. María del Mar Fernández-Arjona^{1,3}, Ms. Carmen Pedraza^{2,3}, Mr. Jesús M M. Grondona^{1,3}, Ms. María Dolores López-Ávalos^{1,3}¹University of Málaga, Departamento de Biología Celular, Genética y Fisiología (Área de Fisiología Animal), Málaga, Spain,²University of Málaga, Departamento de Psicobiología y Metodología en las CC, Málaga, Spain, ³Instituto de Investigación Biomédica de Málaga-IBIMA, Málaga, Spain

PS2-49

Evoked neural population activity during static and dynamic visual stimuli recognition: a comparative study based on intracranial EEG**Mr. Manel Vila-Vidal¹**, Dr. Mariam AlKhawaja², Dr. Mar Carreño^{2,3}, Dr. Pedro Roldán⁴, Dr. Jordi Rumià⁴, Dr. Gustavo Deco^{1,5}, Dr. Antonio Donaire^{2,3,6}, Dr. Adrià Tauste Campo^{1,7}¹Universitat Pompeu Fabra, Barcelona, Spain, ²Epilepsy Program-Hospital Clínic, Barcelona, Spain, ³Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain, ⁴Epilepsy Program, Neurosurgery, Hospital Clínic, Barcelona, Spain, ⁵Institució Catalana de Recerca i Estudis Avançats, Barcelona, Spain, ⁶CIBERBBN, Networking Centre on Bioengineering, Biomaterials and Nanomedicine, Barcelona, Spain, ⁷Universitat Politècnica de Catalunya, Barcelona, Spain

PS2-50

Epileptogenic biomarkers based on combined power activation and connectivity of iEEG signals**Mr. Manel Vila-Vidal¹**, Dr. Carmen Pérez-Enríquez³, Dr. Alessandro Principe^{1,2,3}, Dr. Rodrigo Rocamora^{1,2,3}, Dr. Gustavo Deco^{1,4}, Dr. Adrià Tauste Campo^{1,5}¹Universitat Pompeu Fabra, Barcelona, Spain, ²Epilepsy Unit-Hospital del Mar, Barcelona, Spain, ³Hospital del Mar Medical Research Institute (IMIM), Barcelona, Spain, ⁴Institució Catalana de Recerca i Estudis Avançats, Barcelona, Spain,⁵Universitat Politècnica de Catalunya, Barcelona, Spain



PS2-51

Finding Useful Biomechanics Markers as Functional Correlates of the Eyelid Movements

Mr. Victor Castro-Andrés¹, Dr. Agnès Gruart¹, Dr. Raudel Sánchez-Campusano¹

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PS2-52

Information transmission in delay-coupled neuronal circuits in the presence of a relay population

Mr. Jaime Sánchez Claros¹, Dr. Aref Pariz^{2,3}, Dr. Alireza Valizadeh³, Dr. Santiago Canals⁴, Dr. Claudio Mirasso¹

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PS2-53

Astrocytic calcium dynamics in multiple sclerosis: regulation by CB1 receptors

Alvaro Moreno-García^{1,2,3,5,6}, Teresa Colomer^{1,2,3}, Ana Bernal-Chico^{1,2,3}, Asier Ruiz^{1,2,3}, Carmen L Utrilla², Urszula Skupio^{5,6}, Roman Serrat^{5,6}, Carlos Matute^{1,2,3}, Giovanni Marsicano^{5,6}, Dr. Susana Mato^{1,2,3,4}

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PS2-54

Amyloid propagation in a sporadic model of Alzheimer disease

Juana Andreo-Lopez¹, Francisco Cantero-Molina¹, Miriam Bettinetti-Luque¹, Kelly Huynh², Marie Nguyen², Alwin Cheung², Janine Tran², Celia Da Cunha², Laura Trujillo-Estrada^{1,2}, Cristina Nuñez-Díaz¹, Alessandra Cadete Martini², Stefania Forner², Antonia Gutierrez¹, Frank LaFerla², David Baglietto-Vargas^{1,2}

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PS2-55

Effect of the Src inhibitory peptide TAT-Cx43₂₆₆₋₂₈₃ on neural stem cells with EGFR overexpression or EGFRvIII mutation

Ms. Andrea Álvarez-Vázquez^{1,2}, Dr. Berta Segura-Collar³, Dr. Pilar Sánchez-Gómez³, Prof. Arantxa Tabernero^{1,2}

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PS2-56

Microglia are key regulators of the innate anti-tumoural response in late adulthood

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PS2-57

ENDO-LYSOSOMAL DISRUPTION DRIVES MICROGLIAL PHAGOCYTOSIS DYSFUNCTION IN STROKE

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PS2-58

Generation of GRIN-related disorders Zebrafish models library for endophenotypic characterization and pharmacological screening

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PS2-59

High-fat feeding shifts the gut microbiome and accelerates retinal degeneration in retinitis pigmentosa mice

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PS2-60

Activating epigenetic modifications are upregulated in the post-mortem brain of schizophrenia subjects: Effects of antipsychotic treatment

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PS2-61

Dysfunctional M2 Cortex-Superior Colliculus-Basal ganglia circuit in Huntington's disease

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PS2-62

Involvement of the neuropeptide cortistatin in neuroinflammation and blood-brain barrier dysfunction in ischemic stroke

Ms. Julia Castillo-González¹, Ms Ana Ubago-Rodríguez¹, Ms Marta Caro¹, Ms Irene Forte-Lago¹, Ms Lara Buscemi^{2,3}, Mr Pedro Hernández-Cortés⁴, Mr Lorenz Hirt^{2,3}, Ms Elena González-Rey¹

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PS2-63

Transcriptomic analysis in a fragile X syndrome mouse model after CB1 receptor targeting reveals treatment-associated changes in RNA splicing machinery.

Ms. Lucía de los Reyes-Ramírez¹, Ms. Araceli Bergadà-Martínez¹, Ms. Marina Reixachs-Solé^{2,3}, Dr. Sara Martínez-Torres^{1,4,5}, Dr. Alba Navarro-Romero^{1,6}, Prof. Rafael Maldonado^{1,7}, Prof. Eduardo Eyras^{2,3,7}, Prof. Andrés Ozaita¹

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PS2-64

Increased serotonin 5-HT_{2A} receptor constitutive activity on Gα_{i1}-protein in post-mortem frontal cortex of subjects with schizophrenia**Ms. Itziar Muneta-Arrate^{1,2}**, Dr Rebeca Diez-Alarcia^{1,2,3}, Dr Igor Horrillo^{1,2,3}, Dr Meana J.J.^{1,2,3}¹University of the Basque Country UPV/EHU, Leioa,, Spain, ²Centro de investigación Biomédica en Red de Salud Mental CIBERSAM, , Spain, ³Biocruces Bizkaia Health Research Institute , Barakaldo,, Spain

PS2-65

Functional selectivity of serotonin 5-HT_{2A} receptor drugs on Gα_{i1}-proteins in postmortem human brain cortex**Dr. Meana J.J.^{1,2,3}**, Ms Itziar Muneta-Arrate^{1,2}, Ms Patricia Miranda-Azpiazu^{1,4}, Aintzane García-Bea¹, Igor Horrillo^{1,2,3}, Rebeca Diez-Alarcia^{1,2,3}¹ University of the Basque Country UPV/EHU, Leioa,, Spain, ²Centro de investigación Biomédica en Red de Salud Mental CIBERSAM, , Spain, ³Biocruces Bizkaia Health Research Institute, Barakaldo,, Spain , ⁴Achucarro Basque Center for Neuroscience, Leioa,, Spain

PS2-66

BCAS1 defines a heterogeneous population in oligodendroglioma and glioblastoma**Msc. Raquel Morales-Galle¹**, Msc. María José Ulloa-Navas¹, MD. Ricardo Prat-Acín², MD. Gaspar Reynés-Muntaner², Dr. Vicente Herranz-Pérez¹, Prof. José Manuel García-Verdugo¹, MD. Jaime Ferrer-Lozano²¹University of Valencia-CIBERNED, Valencia, Spain, ²Hospital Universitari i Politècnic La Fe, Valencia, Spain

PS2-67

Antidepressant actions of ketamine engage cellular mechanisms of endoplasmic reticulum stress by the eIF2α pathway**Mr. Lluís Miquel-Rio^{1,2,3}**, Mr. Unai Sarriés-Serrano^{1,2,3}, Mrs. Verónica Paz^{1,2,3}, Mrs. Leticia Campa^{1,2,3}, Dr. Analia Bortolozzi^{1,2,3}¹Institut d'Investigacions Biomèdiques de Barcelona (IIBB), Spanish National Research Council (CSIC), Barcelona, Spain, ²Institut d'Investigacions August Pi i Sunyer (IDIBAPS), Barcelona, Spain, ³Centro de Investigación Biomédica en Red de Salud Mental (CIBERSAM), ISCIII, Madrid, Spain

PS2-68

A closer look at Cux1 heterozygosis in the neocortex, when one copy is not enough**Ms. Elia Marcos-Grañeda¹**, Dr. Marta Nieto¹¹CNB-CSIC, Madrid, Spain



PS2-69

Immunodensity of dopamine D2, cannabinoid CB1, metabotropic glutamate mGlu2 and mGlu3 receptors in schizophrenia subjects

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PS2-70

Generation and characterisation of new mouse models of TDP-43 proteinopathies including a new genomically humanised Knock-In strain

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PS2-71

A new non-aggregative splicing isoform of human Tau is decreased in Alzheimer's disease.

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PS2-72

Synergistic effects of applying Static Magnetic Fields and Diazepam to Control EEG Abnormalities in an Epileptic Rat Model

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PS2-73

Mitochondrial dysfunction and neurotoxicity induced by frataxin deficiency in astrocytes are attenuated with the Sonic Hedgehog agonist SAG

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PS2-74

Sperm cytoskeleton ODFs genes as a potential mechanism of glioblastoma progression

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PS2-75

Auditory evoked oscillations are altered in UBE3A knock-out rat model of Angelman's syndrome

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PS2-76

Expression of microglial CX3CR1 in Alzheimer's disease and its regulation by noradrenaline

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PS2-77

Assessment of the integrity of the endothelial junctions and blood-brain barrier disruption in MCT8 deficiency

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PS2-78

The role of extracellular vesicles in Alzheimer's disease: mechanistic insight into intrinsic protection

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PS2-79

Δ9-TETRAHYDROCANNABINOL PROMOTES FUNCTIONAL REMYELINATION IN THE MOUSE BRAIN

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PS2-80

Astrocytic GLUT1 ablation improves systemic glucose metabolism and promotes cognition

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PS2-81

Hypothalamic anorexigenic and orexigenic gene expression after morning or evening forced wheel exercise in adolescent rats

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PS2-82

IGF1 modulates inflammation and phagocytosis in reactive astrocytes through PI3K(p110α) in a sex-specific manner.

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PS2-83

A novel modular toolbox for precise neuronal epigenome editing

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PS2-84

USE OF BIORESORBABLE NANOPATTERNED POLYMER SCAFFOLDS AS A STRATEGY TO GUIDE THE MIGRATION OF NEURAL AND DENTAL STEM AND PROGENITOR CELLS.

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PS2-85

Generation of an in vitro assay to evaluate antipsychotic drug effects on synaptogenesis

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PS2-86

Virtual Water Maze For Human Memory Assessment Synchronized With Transcranial Magnetic Stimulation

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PS2-87

The women neuroscientists disciples of Pío del Río-Hortega spread the Cajal School through Europe and America

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PS2-88

DOES RTP801/REDD1 PARTICIPATE IN tRNA METABOLISM?

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PS2-89

Small RNA in plasma extracellular vesicles as early biomarkers in Huntington's disease

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