



Poster Session 1: Wednesday, 3rd November, From 15:30 To 19:00, Exhibition Hall.

PS1-01

Netrin-1/DCC Signaling System Differentially. Regulates the Migration of Pax7, Nkx6.1, Irx2, Otp, and Otx2 Neuronal Populations in the Developing Interpeduncular Nucleus

Ms. Isabel M. García-Guillén¹, Dr. Antonia Alonso¹, Dr. Nicanor Morales-Delgado², Ms. Belén Andrés³, Dr. Luis Puellas¹, Dr. Guillermina López-Bendito³, Dr. Faustino Marín¹, Dr. Pilar Aroca¹

¹Universidad de Murcia, Murcia, Spain, ²Universidad Miguel Hernández, Alicante, Spain, ³Instituto de Neurociencias de Alicante, CSIC, Universidad Miguel Hernández, Alicante, Spain

PS1-02

Characterization of different types of progenitor cells in the postnatal retina of sharks

Mr. Ismael Hernández Núñez¹, Dr. Alberto Docampo Seara¹, Dr. Diego Robledo², Dr. Sylvie Mazan³, Dr. Antón Barreiro Iglesias¹, Dr. Fátima Adrio¹, Dr. Eva Candal¹

¹Universidade de Santiago de Compostela. CIBUS. Faculty of Biology., Santiago de Compostela, Spain, ²The Roslin Institute and Royal (Dick) School of Veterinary Studies, University of Edinburgh, Edinburgh, United Kingdom, ³CNRS, Sorbonne Université, UPMC Univ Paris 06, UMR7232, Observatoire Océanologique, Banyuls-sur-mer, France

PS1-03

Neurogranin-like expression in the zebrafish brain during early stages of development and changes induced by Mn²⁺ exposure

Ms. Anabel Alba-González¹, Dr. Julián Yáñez-Sánchez¹, Dra. Mónica Folgueira-Otero¹

¹University of A Coruña (CICA), A Coruña, Spain

PS1-04

Intramodal functional plasticity in the developing somatosensory system

Ms. Mar Anibal-Martínez¹, Mr. Luis Rodríguez-Malmierca¹, Mr. Francisco José Martini¹, Ms. Guillermina López-Bendito¹

¹Instituto De Neurociencias De Alicante. Universidad Miguel Hernández de Elche-CSIC, San Juan De Alicante, Spain

PS1-05

APOE genotype and postnatal chlorpyrifos exposure affect mice cerebral lipid profile

Dra. Laia Guardia-Escote¹, Ms. Judit Biosca-Brull^{1,2}, Ms. Mikaela Mladenova-Koleva¹, Dra. Pia Basaure¹, Dr. Jordi Blanco^{1,3}, Dra. Maria Cabré^{1,4}



¹Universitat Rovira i Virgili, Research in Neurobehavior and Health (NEUROLAB), Tarragona, Spain, ²Universitat Rovira i Virgili, Psychology, Research Center for Behavioral Assessment (CRAMC), Tarragona, Spain, ³Universitat Rovira i Virgili, Basic Medical Science, Reus, Spain, ⁴Universitat Rovira i Virgili, Biochemistry and Biotechnology, Reus, Spain

PS1-06

The development of the cerebello-cortical connectivity

Ms. Raquel Murcia-Ramón¹, Ms Belén Andrés¹, Dra Guillermina López-Bendito¹, Dr. Juan Antonio Moreno-Bravo¹

¹Instituto De Neurociencias, San Juan De Alicante, Spain

PS1-07

Motor Neuronal Conversion of Human Mesenchymal Stem Cells by Application of Small Molecules

Mr. Antonio Almenar¹, Ms. Alicia Estirado¹, Ms. Francisca Almagro¹, Dr. Salvador Martínez¹

¹Instituto De Neurociencias-CSIC-UMH, Alicante, Spain

PS1-08

CHARACTERIZATION OF THE PARALAMINAR NUCLEUS IN THE MICE: AN AMYGDALAR REGION WITH PROTRACTED MATURATION

Ms. Lucía Inés Torrijos Saiz¹, Dr. Vicente Herranz Pérez¹, Dr. Shawn Sorrells², Professor Jose Manuel García Verdugo¹

¹Instituto Cavanilles De Biodiversidad Y Biología Evolutiva, University Of Valencia-CIBERNED, Valencia, Spain, ²University Of Pittsburgh, Pittsburgh, United States Of America

PS1-09

Deregulation of the epithelial-to-mesenchymal transition process underlies Zic2-linked holoprosencephaly

Dra. Aida Giner de Gracia, Dra. Cruz Morenilla, Ms. Maria Teresa López-Cascales, Dr. Gerald Muça, Dr. Angel Barco, Dra. Eloisa Herrera

¹Instituto De Neurociencias, Alicante, Spain

PS1-10

The transcription factor Zic2 participates in adult neurogenesis at the hippocampal subgranular zone (SGZ)

Dr. Carlos Sanchez Huertas¹, Ivan Guzman¹, Prof. Eloisa Herrera¹

¹Instituto de Neurociencias (CSIC-UMH), Alicante, Spain



PS1-11

IMPLICATION OF SFRP1 IN ALTERED SYNAPTIC PLASTICITY ASSOCIATED WITH ALZHEIMER'S DISEASE

Ms. Guadalupe Pereyra Gómez¹, Dr. Inés Mateo Ruiz¹, Ms. María Jesús Martín Bermejo¹, Mr. Jose María Delgado-García², Ms. Pilar Esteve^{1,3}, Ms. Paola Bovolenta^{1,3}

¹Centro de Biología Molecular Severo Ochoa, UAM-CSIC, Madrid, Spain, ²Universidad Pablo de Olavide, Sevilla, Spain,

³Centro de Investigación Biomédica en Red de Enfermedades Raras, CIBERER, Madrid, Spain

PS1-12

HYPERAMMONEMIA ALTERS THE FUNCTION OF AMPA, NMDA AND GABAA RECEPTORS AND EXTRACELLULAR cGMP REVERSES SOME OF THESE ALTERATIONS

Ms. María Sancho-Alonso¹, Dr. Vicent Teruel², Dr. Andrea Cabrera-Pastor³, Dr. Vicente Felipo¹

¹Neurobiology Laboratory, Centro De Investigación Príncipe Felipe, Valencia, Spain, ²Neuronal Circuits Laboratory, Universidad de Valencia, Valencia, Spain, ³Neurological Impairment Group - INCLIVA, Valencia, Spain

PS1-13

EARLY SYNAPTIC IMPAIRMENT IN THE HIPPOCAMPUS OF A RAT MODEL OF PROGRESSIVE PARKINSONISM

Arantzazu Belloso-Iguerategui¹, Marta Zamarbide-González¹, Leyre Merino-Galan¹, Aleph Prieto², Carl W Cotman², Joaquín Fernández-Irigoyen³, Enrique Santamaría-Martínez³, Ana Quiroga-Varela^{1,5}, María Cruz Rodríguez-Oroz^{4,5}

¹CIMA-Universidad de Navarra, Pamplona, Spain, ²Institute for Memory Impairments and Neurological Disorders, University of California-Irvine, Irvine, USA, ³Centro de Investigación Biomédica Navarrabiomed, Pamplona, Spain, ⁴Clínica Universidad de Navarra, Pamplona, Spain, ⁵Instituto de Investigación Sanitaria de Navarra (IdiSNA), Pamplona, Spain

PS1-14

Astrocytes exert negative modulation on hippocampal neuron excitability

Ms. Sara Expósito Reguero¹, Mr. Samuel Alberquilla¹, PhD Rosario Moratalla¹, Mr. Alfonso Araque¹, Mr. Eduardo D. Martín¹

¹Instituto Cajal, CSIC, Madrid, Spain

PS1-15

Modelling microscale diffusion in geometrically resolved brain extracellular space in live tissue

Ms. Paula Giménez Mínguez^{1,2}, Mr Konstantinos Chatzimichail², Dr. Jan Tønnesen^{1,2}

¹Universidad Del País Vasco, Getxo, España, ²Achucarro Basque Center for Neuroscience, Leioa, España



PS1-16

Cell to cell communication mediates the neurodegeneration caused by glioblastoma

Dr. Sergio Casas Tinto¹, Dr. María Losada-Pérez, Dr. Patricia Jarabo, Dr. Marta Portela, Dr. Francisco A Martín
¹Instituto Cajal CSIC, Madrid, Spain

PS1-17

GSK-3 β S9A overexpression leads murine hippocampal neural precursors to acquire an astroglial phenotype in vivo.

Mr. Miguel Flor-García^{1,2,3}, Dr. Jesús Ávila^{1,3}, Dr. María Llorens-Martín^{1,3}
¹Department of Molecular Neuropathology, Centro de Biología Molecular "Severo Ochoa", CBMSO, CSIC-UAM, Madrid, Spain, ²Department of Molecular Biology, Faculty of Sciences, Universidad Autónoma de Madrid, Madrid, Spain, ³Center for Networked Biomedical Research on Neurodegenerative Diseases (CIBERNED), Madrid, Spain

PS1-18

Astroglial CB1 mediates synaptic plasticity in the Nucleus Accumbens

Dr. Ana Covelo^{1,2}, Ines Filipa Dinis^{1,3}, Dr Giovanni Marsicano^{1,2}
¹Inserm, Bordeaux, France, ²University of Bordeaux, Bordeaux, France, ³University of Lisbon, Lisbon, Portugal

PS1-19

In silico screening of GMQ-like compounds reveals guanabenz and sephin1 as new allosteric modulators of acid-sensing ion channel 3

Dr. G Callejo^{1,2}, Mr LA Pattison¹, Mr JC Greenhalgh¹, Dr S Chakrabarti¹, Ms E Andreopoulou¹, Dr JRF Hockley¹, Dr E St. John Smith¹, Dr T Rahman¹
¹Department of Pharmacology, University of Cambridge, Cambridge, United Kingdom, ²Institut de Neurociències, Universitat de Barcelona, Barcelona, Spain

PS1-20

Loss of TRESK background potassium channel enhances acute and chronic itch.

Dr. Alba Andrés-Bilbé¹, Dr. Aida Castellanos¹, Ms. Anna Pujol¹, Dr. Núria Comes^{1,2}, Dr. Gerard Callejo^{1,2}, Prof. Xavier Gasull^{1,2}
¹Institute of Neurosciences, Universitat de Barcelona, Barcelona, Spain, ²Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain

PS1-21

TRESK background K⁺ channel regulates sensory neuron excitability and contributes to mechanical and cold pain



Dr. Aida Castellanos¹, Dr. Alba Andrés-Bilbé¹, Dr. Ahmed Negm^{3,4}, Dr. Gerard Callejo^{1,2}, Prof. Jacques Noël^{3,4}, Prof. Xavier Gasull^{1,2}, **Dr. Núria Comes^{1,2}**

¹Institute of Neurosciences, Universitat de Barcelona, Barcelona, Spain, ²Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain, ³Université Côte d'Azur, CNRS UMR 7275, Institut de Pharmacologie Moléculaire et Cellulaire, Valbonne, France, ⁴LabEx Ion Channel Science and Therapeutics, Valbonne, France

PS1-22

mGlu4 receptors rescue parallel fiber LTP and motor skilled reaching deficits in a mouse model of Fragile X Syndrome

Dr. Ricardo Martín^{1,2,3}, Dr. Nuria García-Font^{1,2,3,4}, Mr Alberto Samuel Suárez-Pinilla^{1,2,3}, Dr David Bartolomé-Martín⁵, Dr María Jesús Oset-Gasque^{1,2,3}, Dr Magdalena Torres^{1,2,3}, Dr José Sánchez-Prieto^{1,2,3}

¹Universidad Complutense de Madrid, Madrid, España, ²Instituto Universitario de Investigación en Neuroquímica, Madrid, España, ³Instituto de Investigación Sanitaria del Hospital Clínico San Carlos, Madrid, España, ⁴University of Edinburgh, Edinburgh, United Kingdom, ⁵Universidad de La Laguna, San Cristóbal de La Laguna, España

PS1-23

IMPACT OF BRAIN STATE ON TRANSCRANIAL DIRECT-CURRENT STIMULATION (tDCS) EFFECTS IN MICE

Mr. Guillermo Sánchez-Garrido Campos¹, Mrs. Ángela M. Zafra¹, Dr. Isabel Cordones¹, Mrs. Marta Estévez-Rodríguez¹, Dr. Javier Márquez-Ruiz¹

¹Universidad Pablo De Olavide, Seville, Spain

PS1-24

Nutrient-mediated regulation of GluA1 surface levels

Ms. Rocío Rojas Martín¹, Dr. Rut Fadó Andrés¹, Dr. Alfredo Miñano Molina^{2,4}, Dr. José Rodríguez Álvarez^{2,4,5}, Dr. Núria Casals Farré^{1,3}

¹Faculty of Medicine and Health Sciences, Universitat Internacional de Catalunya, Sant Cugat del Vallès, Spain, ²Institute of Neurosciences (INc), Universitat Autònoma de Barcelona, Barcelona, Spain, ³Centro de Investigación Biomédica en Red de Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Instituto de Salud Carlos III, Madrid, Spain, ⁴Centro de Investigación Biomédica en Red sobre Enfermedades Neurodegenerativas (CIBERNED), Instituto de Salud Carlos III, Madrid, Spain, ⁵Albert Einstein College of Medicine, New York, United States of America

PS1-25

Running and swimming dependent fast-to-slow BDNF/TrkB signalling optimisation at the NMJ

Ms. Laia Just-Borràs¹, Mr. Víctor Cillerros-Mañé¹, Ms. Erica Hurtado¹, Ms. Aleksandra Polishchuk¹, Ms. Maria Duran-Vigara¹, Ms. Marta Balanyà-Segura¹, Mr. Olivier Biondi², Mr. Frédéric Charbonnier², Ms. Marta Tomàs¹, Ms. Neus García¹, Mr. Josep Tomàs¹, Ms. Maria A. Lanuza¹

¹Unitat d'histologia i neurobiologia, Universitat Rovira i Virgili, Reus, Spain, ²INSERM UMRS 1124, Université de Paris, Reus, España



PS1-26

Existence of FGFR1-5-HT1AR heteroreceptor complexes in hippocampal astrocytes. Putative link to 5-HT and FGF2 modulation of hippocampal gamma oscillations

Dr. Manuel Narvaez^{1,4}, Dr. Yuniesky Andrade-Talavera⁸, D. Ramon Fores-Pons^{1,4}, Dr. Ismael Valladolid-Acebes³, Dra. Pia Siegele⁴, Dr. Alejandro Hernandez-Sosa⁴, Dr. André Fisahn⁵, Dr. Alexander López-Salas⁴, Dr. Dasiel O. Borroto-Escuela^{4,6,7}

¹Instituto De Investigación Biomédica De Málaga, Facultad de Medicina, Universidad de Málaga, Malaga, Spain, ²Laboratorio de Neurociencia Celular y Plasticidad, Universidad Pablo Olavide, Sevilla, Spain, ³The Rolf Luft Research Center for Diabetes and Endocrinology, Karolinska Institutet, Karolinska University Hospital L1, SE-171 76, Stockholm, Sweden, ⁴Department of Neuroscience, Karolinska Institutet, Stockholm, Sweden, ⁵Department of Neurobiology, Care Sciences and Society, Center for Alzheimer Research, Neuronal Oscillations Lab, Karolinska Institutet, Stockholm, Sweden, ⁶Department of Biomolecular Science, Section of Physiology, University of Urbino, Urbino, Italy, ⁷Grupo Bohío-Estudio, Observatorio Cubano de Neurociencias, Yaguajay, Cuba, ⁸Department of Neurobiology, Care Sciences and Society, Center for Alzheimer Research, Neuronal Oscillations Lab, Karolinska Institutet, Stockholm, Sweden

PS1-27

Activity-Dependent Reconnection of Adult-Born Dentate Granule Cells in a Mouse Model of Frontotemporal Dementia

Ms. Julia Terreros-Roncal^{1,2,3}, Ms. Elena P. Moreno-Jiménez^{1,2,3}, Mr. Miguel Flor-García^{1,2,3}, Dr. Jesús Ávila^{1,2}, Dr. María Llorens-Martín^{1,2}

¹Department of Molecular Neuropathology, Centro de Biología Molecular "Severo Ochoa", CBMSO, CSIC-UAM, Madrid, Spain, ²Centre for Networked Biomedical Research on Neurodegenerative Diseases (CIBERNED), Madrid, Spain, ³Department of Molecular Biology, Faculty of Sciences, Universidad Autónoma de Madrid, Madrid, Spain

PS1-28

CANNABINOID RECEPTOR TYPE 1 (CB1R) EXPRESSION IN THE BRAIN STRUCTURES OF GENETIC MODELS OF EPILEPSY

PhD Rui Milton Patrício Da Silva Júnior^{1,2}, PhD Willian Lazarini-Lopes², Dr Alejandro Fuerte-Hortigón³, PhD Laura Zeballos¹, Prof M^a. Dolores E. López García¹, Prof Norberto Garcia-Cairasco²

¹Neuroscience Institute of Castilla y León (INCyL), Faculty of Medicine. University of Salamanca (USAL), Salamanca, Spain, ²Neuroscience and Behavioral Sciences Department, Ribeirão Preto School of Medicine, Ribeirão Preto, Brazil, ³Department of Neurology, Virgen Macarena Hospital, Sevilla, Spain

PS1-29

Simultaneous encoding of fear state and threat identity in prefrontal cortex neuronal populations.

Dr. Mario Martin-Fernandez^{1,2}, Ana Paula Mengolla^{1,2}, Guillem Lopez-Fernandez^{1,2}, Dr. Cyril Herry^{1,2}

¹Université de Bordeaux, Neurocentre Magendie, Bordeaux, France, ²INSERM, Neurocentre Magendie, Bordeaux, France



PS1-30

Using Hippocampome.org to investigate hippocampal circuit dynamics

Dr. Alberto Sanchez-Aguilera¹, Dr. Diek W Wheeler², Dr. Teresa Jurado-Parras¹, Dr. Elena Cid¹, Dr. Nate Sutton², Dr. Giorgio G Ascoli², Dr. Liset Menendez de la Prida¹

¹Instituto Cajal - Csic, Madrid, Spain, ²George Mason University, Fairfax, United States of America

PS1-31

Pre-training RNNs on ecologically relevant tasks explains sub-optimal behavioral reset

Dr. Manuel Molano-mazón¹, Dr. Daniel Duque¹, Dr. Guangyu Robert Yang², Dr. Jaime de la Rocha¹

¹IDIBAPS, Barcelona, Spain, ²Center for Theoretical Neuroscience, Columbia University, New York, USA

PS1-32

Using Uniform Manifold Approximation and Projection (UMAP) for unsupervised sorting of sharp-wave ripples

Mr. Enrique R. Sebastian¹, Dr. María Teresa Jurado-Parras¹, Dr. Alberto Sánchez-Aguilera¹, Dr. Liset Menendez de la Prida¹

¹Instituto Cajal - Csic, Madrid, Spain

PS1-33

Using 1D-convolutional neural networks to detect and interpret sharp-wave ripples

Ms. Andrea Navas-Olive¹, Mr. Rodrigo Amaducci², Dr. Maria Teresa Jurado-Parras¹, Mr. Enrique R. Sebastian¹, Dr. Liset Menendez de la Prida¹

¹Instituto Cajal - CSIC, Madrid, Spain, ²Grupo de Neurocomputación Biológica (GNB). UAM, Madrid, Spain

PS1-34

STUDY OF THE ANTIDEPRESSANT EFFECT OF NEW GENERATION DRUGS BASED ON GLUTAMATERGIC TRANSMISSION.

Mr. Esteban Merino¹, Dr. Vicent Teruel-Martí¹, Dra Ana Cervera-Ferri¹, Mrs. Anna Teruel-Sanchís^{1,2}, Dr. Sergio Martínez-Bellver¹, Mrs. Maria Villafranca-Faus¹, Mrs. Alicia González-Martínez¹, Mrs. Hanna Vila-Merkle¹, Mr. Manuel Esteban Vila-Martin^{1,2}, Dr. Enrique Lanuza², Dr. Albert Adell³, Dr. Joana Martínez-Ricós¹, PhD Sharon Cabanu³

¹University of Valencia, Valencia, Spain, ²University of Valencia, Burjassot, Spain, ³Institute of Biomedicine and Biotechnology of Cantabria, IBBTEC (CSIC University of Cantabria), Cantabria, Spain



PS1-35

Functional diversity of motoneurons innervating extraocular muscle fibers

Dr. R. G. Hernández¹, Ms. P. M. Calvo¹, Ms. G. Carrero-Rojas^{1,2}, Prof. R. Blumer², Prof. R. R. de la Cruz¹, Prof. A. M. Pastor¹

¹Facultad de Biología, Universidad De Sevilla, Sevilla, Spain, ²Center of Anatomy and Cell Biology, Medical University Vienna, Wien, Austria

PS1-36

Thyroid hormone transporters MCT8 and OATP1C1 are expressed in neurons in the human and monkey basal ganglia and motor thalamus.

Ms. Ting Wang^{1,2,3}, Mr. Yu Wang^{1,2}, Prof. Lucía Prensa¹, Prof. Ana Guadaño², Prof. Estrella Rausell¹

¹School of Medicine, The Autonomous University of Madrid., Madrid, Spain, ²The Instituto de Investigaciones Biomédicas "Alberto Sols" (IIBM), Madrid, Spain, ³Xi'an Lintong Shiyoucheng General Clinic, Xi'an, China, ⁴PhD Program in Neuroscience, Autonoma de Madrid University, Madrid, Spain

PS1-37

Cortical pyramidal cells express thyroid hormone transporters MCT8 and OATP1C1 in human and monkey brain.

Mr. Yu Wang^{1,2}, Ms. Ting Wang^{1,2,3}, Prof. Lucía Prensa¹, Prof. Ana Guadaño-Ferraz², Prof. Estrella Rausell¹

¹School Of Medicine, The Autonomous University Of Madrid, Madrid, Spain, ²The Instituto de Investigaciones Biomédicas "Alberto Sols" (IIBM), Madrid, Spain, ³Xi'an Lintong Shiyoucheng General Clinic, Xi'an, China, ⁴PhD Program in Neuroscience, Autonoma de Madrid University, Madrid, Spain

PS1-38

Retrieval under different conditions: it is always easy to recover the spatial information?

Ms. Candela Zorzo¹, Jorge L. Arias¹, Marta Méndez¹

¹Laboratory of Neuroscience, Department of Psychology, University of Oviedo, Plaza Feijóo, s/n, E-33003. Instituto de Neurociencias del Principado de Asturias (INEUROPA), Oviedo, Spain

PS1-39

Synchronized eye blinks predict narrative content in videos

Dr. Celia Andreu-Sánchez¹, Dr. Miguel Ángel Martín-Pascual^{1,2}, Prof. José María Delgado-García³, Prof. Agnès Gruart³

¹Universitat Autònoma De Barcelona, Cerdanyola Del Vallès (Barcelona), Spain, ²Instituto Radio Televisión Española, Sant Cugat del Vallès (Barcelona), Spain, ³Universidad Pablo de Olavide, Sevilla, Spain



PS1-40

Cognitive neurodynamics during audiovisual cuts in media professionals**Dr. Miguel Ángel Martín-Pascual^{1,2}**, Dr. Celia Andreu-Sánchez², Prof. Agnès Gruart³, Prof. José María Delgado-García³¹Instituto Radio Televisión Española, Sant Cugat del Vallès (Barcelona), Spain, ²Universitat Autònoma de Barcelona, Cerdanyola del Vallès (Barcelona), Spain, ³Universidad Pablo de Olavide, Sevilla, Spain

PS1-41

Spatial memory evaluated by low anxiogenic Barnes Maze is preserved in the 3xTg-AD mice model of Alzheimer's disease following a cannabinoid treatment**Mr. Iker Bengoetxea de Tena¹**, Dr. Marta Moreno-Rodríguez¹, Dr. Jonatan Martínez-Gardeazabal¹, Mr. Gorka Pereira-Castelo¹, Dr. Iván Manuel^{1,2}, Dr. Lydia Giménez-Llort³, Dr. Rafael Rodríguez-Puertas^{1,2}¹Dept. Pharmacology, Fac. of Medicine and Nursing, University of the Basque Country (UPV/EHU), Leioa, Spain, ²Neurodegenerative Diseases, BioCruces Bizkaia Health Research Institute, Barakaldo, Spain, ³Dept. Psychiatry and Forensic Medicine, School of Medicine & Institute of Neuroscience, Autonomous University of Barcelona (UAB), Barcelona, Spain

PS1-42

Evaluation of the neuroprotective activity of the ethanolic extract of Myrciaria dubia HBK McVaugh "camu camu" in a murine model of Parkinson's disease.**Bach. Marco Peña¹**, M.Sc. Roy Andrade², Eng. Richard Cisneros³, M.Sc. Luis Baquerizo⁴, Ph.D. Fernando Ramos⁴, Ph.D. Ivan Best⁴, Ph.D. Ana Muñoz⁴, Ph.D. Luis Aguilar⁴¹San Marcos University, Lima, Peru, ²Cayetano Heredia University, Lima, Peru, ³National University of Huancavelica, Huancavelica, Peru, ⁴San Ignacio de Loyola University, Lima, Peru

PS1-43

Maternal separation alters working memory and brain function of male Wistar rats**Ms. Alba Gutiérrez-Menéndez¹**, María Banqueri², Marta Méndez¹, Nélica M. Conejo¹, Jorge L. Arias¹¹University Of Oviedo, Plaza Feijóo, s/n, E-33003, Oviedo, Asturias, Spain, ²Nencki Institute of Experimental Biology, Ludwika Pasteura 3, 02-093 Warsaw, Poland

PS1-44

Role of Astrocyte-Neuron signaling in Major Depressive Disorder**Candela González Arias¹**, Cristina Sánchez-Puelles¹, Julio Esparza¹, Gertrudis Perea¹¹Instituto Cajal (CSIC), Madrid, Spain



PS1-45

Learning of allocentric and egocentric strategies in an automatized maze

Mr. Juan P. Quintanilla^{1,2}, Dr. Jorge R. Brotons-Mas^{2,3}, Dr. Liset Menéndez de la Prida¹

¹Instituto Cajal. CSIC. , Madrid, Spain, ²Universidad Cardenal Herrera CEU, Elche, Spain, ³Instituto de Neurociencias, UMH-CSIC, Alicante, Spain

PS1-46

Transcranial magnetic stimulation reveals the experience-dependent role of the prefrontal cortex in making decisions based on abstract rules.

Ms. Jennifer Paz Canosa^{1,2,3}, Dr. Jose L. Pardo-Vazquez^{1,2,3}, Dr. Carmen De Labra^{1,2,3}, Dr. Javier Cudeiro^{1,2,3,4}, Dr. Casto Rivadulla^{1,2,3}

¹NEUROcom, Departamento de Fisioterapia, Medicina e Ciencias Biomédicas, Facultad de Ciencias da Saúde, Universidade da Coruña (UDC), A Coruña, Spain, ²Instituto de Investigación Biomédica de A Coruña (INIBIC), A Coruña, Spain, ³Centro de Investigacións Científicas Avanzadas (CICA), Universidade da Coruña (UDC), A Coruña, Spain, ⁴Centro de Estimulación Cerebral de Galicia, A Coruña, Spain

PS1-47

The role of Akkermansia muciniphila and environmental enrichment in reversing cognitive impairment associated with high-fat high-cholesterol consumption in rats

Dr. Natalia Arias^{2,4}, Dr Sara G Higarza^{1,2}, Dr Silvia Arboleya³, Prof Jorge L Arias^{1,2}, Dr Miguel Gueimonde³

¹Laboratory of Neuroscience, Department of Psychology. University of Oviedo, Oviedo, Spain, ²Instituto de Neurociencias del Principado de Asturias (INEUROPA), Oviedo, Spain, ³Department of Microbiology and Biochemistry of Dairy Products, Instituto de Productos Lácteos de Asturias (IPLA-CSIC), Villaviciosa, Spain, ⁴Department of Basic and Clinical Neuroscience, Institute of Psychiatry, Psychology and Neuroscience, London, Spain

PS1-48

Assessment of social behaviors in C57BL/6 mice exposed to chlorpyrifos: An association with autistic-like behaviors

Ms. Judit Biosca-Brull^{1,2}, Dra. Laia Guardia-Escote¹, Dra. Pia Basaure¹, Dr. Jordi Blanco^{1,3}, Dra. Maria Cabré^{1,4}, Dra. María Teresa Colomina^{1,2}

¹Universitat Rovira i Virgili, Research in Neurobehavior and Health (NEUROLAB), Tarragona, Spain, ²Universitat Rovira i Virgili, Psychology, Research Center for Behavioral Assessment (CRAMC), Tarragona, Spain, ³Universitat Rovira i Virgili, Basic Medical Science, Reus, Spain, ⁴Universitat Rovira i Virgili, Biochemistry and Biotechnology, Reus, Spain

PS1-49

Genomic Basis of Drosophila Social Memory



Dr. Francisco A Martín¹, Beatriz Gil-Martí¹, Dr Abhijit Das², Celia G Barredo¹, Carmen Rodriguez-de Navas¹, Dr Enrique Turiegano³, Prof Andrea H Brand⁴

¹Cajal Institute (csic), Madrid, Spain, ²School of Bioscience, Indian Institute of Technology, Kharagpur, India, ³Autonomous University of Madrid, Madrid, Spain, ⁴The Gurdon Institute and Department of Physiology, Development and Neuroscience, University of Cambridge, Cambridge, UK

PS1-51

Joint replay of correlated place maps in hippocampus

Dr. Emma Roscow¹, Dr Alex Roxin¹

¹Centre de Recerca Matemàtica, Bellaterra, Barcelona, Spain

PS1-52

A computational model of Slow Wave Oscillation propagation across cortical and striatal networks

Dr. Javier Alegre-Cortés¹, Dr Maurizio Mattia², Dr Ramón Reig¹

¹Instituto de Neurociencias UMH-CSIC, San Juan de Alicante, Spain, ²Instituto Superiore di Sanità, Rome, Italy

PS1-53

GENE EXPRESSION PATTERN OF HNS1 HUMAN NEURAL STEM CELLS IN DIFFERENTIATION TO APPLICATIONS IN NEUROSCIENCE

Ms. Rosa González¹, Ms. Raquel Coronel², Ms. Andreea Rosca², Ms. Patricia Mateos², Dr. Isabel Liste², Dr. Victoria López¹

¹Unidad de Biología Computacional, Unidad Funcional de Investigación de Enfermedades Crónicas (UFIEC), Instituto De Salud Carlos III, Madrid, Spain, ²Unidad de Regeneración Neural, Unidad Funcional de Investigación de Enfermedades Crónicas (UFIEC), Madrid, Spain

PS1-54

Lactoperoxidase might be a pathogenic factor in Parkinson's disease

Dr. Emilio Fernández Espejo^{1,3}, Dr Fernando Rodriguez de Fonseca^{2,3}, Dr Juan Suárez^{2,3}

¹Reial Academia De Medicina De Catalunya, Barcelona, Spain, ²Instituto de Biomedicina, Málaga, Spain, ³Red Andaluza Neuro-RECA, Málaga, Spain

PS1-55

Native and nitrated α -synuclein, and patterns of nitro- α -synuclein-positive inclusions in saliva and submandibular gland in idiopathic Parkinson's disease

Dr. Emilio Fernández Espejo^{1,6}, Dr. Fernando Rodríguez de Fonseca^{2,6}, Dr. Juan Suárez^{2,6}, Dr. Eduardo Tolosa^{3,5}, Dr. Dolores Vilas⁴, Dr. Iban Aldecoa³, Dr. Joan Berenguer³



¹Reial Academia De Medicina De Catalunya, Barcelona, Spain, ²Instituto de Biomedicina de Málaga, Málaga, Spain, ³Hospital Clinic, Barcelona, Spain, ⁴Hospital Universitari Germans Trias i Pujol, Badalona, Spain, ⁵CIBERNED, Madrid, Spain, ⁶Red Andaluza Neuro-RECA, Málaga, Spain

PS1-56

Functional epi-genomics unveils new risk genes and treatments for Alzheimer's disease

Dr. Jose Vicente Sanchez Mut¹

¹Instituto De Neurociencias De Alicante, San Juan De Alicante, Spain

PS1-57

CERKL, a retinitis pigmentosa gene, is involved in the regulation of mitochondrial dynamics in retinal and hippocampal neurons

Ms. Rocío García-Arroyo^{1,2}, Dr. Gemma Marfany^{1,2,3}, Dr. Serena Mirra^{1,2}

¹Universitat De Barcelona, Barcelona, Spain, ²CIBERER- ISCIII, Barcelona, Spain, ³IBUB-IRSJD, Barcelona, Spain

PS1-58

Rifaximin prevents motor incoordination in rats with mild liver damage by preventing immune cell infiltration and neuroinflammation in the cerebellum

Ms. Gergana Ivaylova¹, Dr. Paola Leone¹, Dr. Tiziano Balzano², Dr. Michele Malaguarnera^{3,4}, Dr. Vicente Felipo¹, Dr. Marta Llansola¹

¹Centro de Investigación Príncipe Felipe, Valencia, Spain, ²HM Hospital Universitario Puerta del Sur, Móstoles, Spain,

³Universitat de Valencia, Valencia, Spain, ⁴Universidad Nacional de Educación a Distancia, Valencia, Spain

PS1-59

Sphingomyelin 16:0 is a specific target for brain pathology in the acid sphingomyelinase deficiency

Dr. Angel Gaudio¹, Dr. Josefina Casas², Dr. Edward Schuchman³, Dr. Maria Dolores Ledesma¹

¹Centro De Biología Molecular Severo Ochoa, Madrid, Spain, ²Catalan Institute of Advanced Chemistry (IQAC/CSIC), CIBEREHD, Barcelona, Spain, ³Icahn School of Medicine at Mount Sinai, New York, USA

PS1-60

STIMULATION OF MICROVESICLE/EXOSOME SECRETION BY POLYPHENOLS FOR THE TREATMENT OF NIEMANN PICK DISEASES

Ms. Beatriz Soto Huelin¹, PhD. Rebeca Busto², PhD. M^a Dolores Ledesma¹

¹Centro de Biología Molecular Severo Ochoa, Madrid, España, ²Instituto Ramón y Cajal de Investigación Sanitaria, Madrid, España



PS1-61

ROLE OF mGLUR5 IN THE PSYCHIATRIC ALTERATIONS OF NIEMANN PICK DISEASE TYPE C.

Ms. Ana Toledano-Zaragoza¹, Mr. Miguel Parra¹, Dr. Víctor Briz¹, Ms. Rocío Alfaro², Dr. Rafael Luján², Dr. José Antonio Esteban¹, Dr. María Dolores Ledesma¹

¹Centro De Biología Molecular "Severo Ochoa", Madrid, Spain, ²Instituto de Investigación en Discapacidades Neurológicas (IDINE), Albacete, Spain

PS1-62

Nrg1 haploinsufficiency alters inhibitory cortical circuits

Dr Carmen Navarro-Gonzalez¹, Yaiza Domínguez Canterla¹, Dr Ángela Rodríguez-Prieto¹, Ana González-Manteiga¹, PhD Marta Navarrete-Llinás², PhD Marina Benito Vicente³, **Dr. Pietro Fazzari¹**

¹Cipf, Centro De Investigación Principe Felipe, Valencia, Spain, ²CSIC, Madrid, Spain, ³Hospital Nacional de Paraplégicos, Toledo, Spain

PS1-63

Aluminum Profiles in the Cerebrospinal Fluid during Alzheimer's Disease development. Relation to Pathological Biomarkers

Prof. Raquel Marin¹, Dr. Fátima Mesa-Herrera², Dr. Eduardo Torrealba³, Prof. Mario Diaz¹

¹Universidad De La Laguna, Santa Cruz De Tenerife, Spain, ²Centro Atlántico del Medicamento, La Laguna, Spain, ³Hospital Universitario de Gran Canaria Dr. Negrín, , Spain

PS1-64

FUSΔ14 mutation causes changes in lipid metabolism in mice with motor and cognitive alterations

Mr. Juan Miguel Godoy Corchuelo¹, Ms Zeinab Ali², Mr Luis C. Fernández-Beltrán¹, Mr Jordi Matias-Guiu Antem¹, Mr Thomas Cunningham², Ms Silvia Corrochano¹

¹Fundación Para La Investigación Sanitaria Del Hospital Clínico San Carlos, Madrid, Spain, ²MRC Harwell Institute , Oxfordshire, United Kingdom

PS1-65

E2F4DN-based gene therapy recovers long-term potentiation and hippocampal-dependent memory in homozygous 5xFAD mice.

Dr. Cristina Sánchez-Puelles^{1,2}, Dr. Gertrudis Perea², Dr. José María Frade²

¹Tetraneuron, Valencia, Spain, ²Cajal Institute (CSIC), Madrid, Spain

PS1-66

The matricellular protein hevin's expression in nucleus accumbens is altered by alcohol chronic treatment and administration after withdrawal



Ms. Amaia Nuñez-delMoral¹, Dr. Bianchi P.C.², Augusto Anesio², Paola Palombo², Dr. Cruz F.C.², Dr. Vincent Vialou³, Dr. Callado L.F.¹, Dr. Erdozain A.M.¹

¹University of the Basque Country (UPV/EHU) and Centro de Investigación Biomédica en Red de Salud Mental (CIBERSAM), Leioa, Spain, ²Universidade Federal de São Paulo - UNIFESP, São Paulo, Brazil, ³Neurosciences Paris Seine - Institut de Biologie Paris Seine (NPS – IBPS), Sorbonne Université, INSERM U1130, CNRS UMR8246, Paris, France

PS1-67

Lipid metabolism dysregulation is an early and progressive pathological mechanism in the spinal cord of transgenic SOD1 mice.

Mr. Luis Carlos Fernandez-Beltran¹, Mr. Juan Miguel Godoy Corchuelo¹, Ms. Maria Losa-Fontangordo¹, Dr. Jorge Matias-Guiu Guia¹, Dr. Silvia Corrochano Sánchez¹

¹Instituto de Investigación Sanitaria del Hospital Clínico San Carlos (IdISSC), Madrid, Spain

PS1-68

Understanding the role of pre-conditioning inflammation on the onset of Alzheimer's Disease

Ms. Monica Guerrero Carrasco¹, Ms. Imogen Targett¹, Mr. Adrian Olmos-Alonso¹, Dr. Mariana Vargas-Caballero¹, Dr. Diego Gomez-Nicola¹

¹University Of Southampton, Southampton, United Kingdom

PS1-69

Morphological and stereological study of neurons and interneurons in the non-human primate striatum

Ms. Natalia López-González del Rey^{1,2}, Dr. Carmen Cavada³, Dr. José Ángel Obeso^{1,4}, Dr Javier Blesa^{1,4}

¹HM CINAC (Centro Integral de Neurociencias Abarca Campal), Hospital Universitario HM Puerta del Sur, HM Hospitales, Móstoles, Spain, ²PhD Program in Neuroscience, Autonoma de Madrid University, , Spain, ³School of Medicine, Universidad Autónoma de Madrid, , Spain, ⁴CIBERNED (Center for Networked Biomedical Research on Neurodegenerative Diseases), Instituto Carlos III, , Spain

PS1-70

Proteomic and stereological study of human amygdala in Parkinson's disease

Ms. Sandra Villar-conde¹, Ms. Melania Gonzalez-Rodriguez¹, Ms. Veronica Astillero-Lopez¹, Ms. Patricia Villanueva-Anguita¹, Dr. Daniel Saiz-Sanchez¹, Dr. Isabel Ubeda-Banon¹, Prof. Alino Martinez-Marcos¹, Dr. Alicia Flores-Cuadrado¹

¹Ciudad Real Medical School/CRIB, University of Castilla-La Mancha., Ciudad Real, Spain

PS1-71

The genetic load determines behavioural phenotype and gut microbiota composition in the 5xFAD mouse model of Alzheimer's Disease



Ms. Dina Medina-Vera^{1,2,3,4}, Dr. Cristina Rosell-Valle¹, Dr. Emma N. Zambrana-Infantes⁵, Antonio J. López-Gamero^{1,2}, Mr. Andrés Gonzalez-Jimenez⁶, Mr. Juan A. Navarro^{1,3}, Dr. Francisco J. Pavon^{1,4}, Dr. Luis J. Santín⁵, Dr. Juan Suarez^{1,3}, Dr. Fernando Rodríguez de Fonseca¹

¹Instituto de Investigación Biomédica de Málaga-IBIMA, Unidad de Gestión Clínica de Salud Mental, Hospital Regional Universitario de Málaga, Malaga, Spain, ²Facultad de Ciencias, Universidad de Málaga, Malaga, Spain, ³Facultad de Medicina, Universidad de Málaga, Malaga, Spain, ⁴Instituto de Investigación Biomédica de Málaga-IBIMA, Unidad de Gestión Clínica del Corazón, Hospital Universitario Virgen de la Victoria, Malaga, Spain, ⁵Facultad de Psicología, Universidad de Málaga, Malaga, Spain, ⁶Bioinformatic ECAI, Instituto de Investigación Biomédica de Málaga-IBIMA, Malaga, Spain

PS1-72

Neuronal expression of E2F4DN attenuates the immune response observed in the cerebral cortex and hippocampus of 5xFAD mice

Ms. Morgan Ramón-Landreau^{1,2}, Dr. Noelia López-Sánchez^{1,2}, Dr. José María Frade¹

¹Cajal Institute (CSIC), Madrid, Spain, ²Tetraneuron S.L., Valencia, Spain

PS1-73

The role of brain synaptic dysfunction in the progression of C9orf72-ALS/FTD

Dr. Natalia Arias^{1,2}, Mrs Dhruv Sigh¹, Ms Aleksandra Kaliszewska¹, Mrs Joseph Allison¹, Ms Barbora Vidimova¹, Ms Sara Ketola¹, Ms Megan Tomlin¹, Prof Christopher Shaw¹

¹UK Dementia Research Institute at King's College London, Institute of Psychiatry, Psychology and Neuroscience, Department of Basic & Clinical Neuroscience, London, United Kingdom, ²INEUROPA, Instituto de Neurociencias del Principado de Asturias, Oviedo, Spain

PS1-74

Trophic dependence of abducens motoneurons on muscle VEGF

Ms. P. M. Calvo¹, Dr. R. G. Hernández¹, Prof. R. R. de la Cruz¹, Prof. A. M. Pastor¹

¹Facultad de Biología, Universidad de Sevilla, Sevilla, Spain

PS1-75

The increase in doublecortin-immunoreactive immature neurons in the olfactory cortex is linked to symptom onset in a mouse model of Rett syndrome

Ms Paloma Sevilla-Ferrer¹, Mr Josep Pardo-García¹, Ms Elena Martínez-Rodríguez¹, Dr María Abellán-Álvaro¹, Dr Mónica Santos², Dr Enrique Lanuza¹, **Dr. Carmen Agustín-Pavón¹**

¹Universitat De València, València, Spain, ²Center for Neuroscience and Cell Biology, University of Coimbra, Coimbra, Portugal



PS1-76

FAMILIAL ALZHEIMER'S DISEASE GENE MUTATIONS REGULATE MITOCHONDRIAL DNA REPLICATION, TRANSCRIPTION AND RELEASE.

Margalida Puiggròs^{1,3}, Verónica Pablo-Fontecha^{1,3}, Andrea Reparaz^{1,3}, Petar Podlesniy^{1,3}, Dr. Ramon Trullas^{1,2,3}

¹Neurobiology Unit, IIBB/CSIC, Barcelona, Spain, ²IDIBAPS, Barcelona, Spain, ³CIBERNED, Barcelona, Spain

PS1-77

Cellular plasticity of neuropeptidergic systems in the mouse hypothalamus.

Dr. Pilar Madrigal¹, Dr. Sandra Jurado¹

¹CSIC, San Juan de Alicante, Spain

PS1-78

FUNCTIONAL PROPERTIES AND MOLECULAR MACHINERY UNDERLYING OXYTOCIN RELEASE

Ms. Beatriz Aznar-Escolano¹, Dr. M. P. Madrigal¹, Dr. Sandra Jurado¹

¹Instituto De Neurociencias De Alicante, San Juan de Alicante, España

PS1-79

Mitochondrial fission factor (MFF) regulates mitochondrial dynamics and excitability of Agouti related peptide (AgRP)-expressing neurons

Ms. Almudena-Rosa Del Río Martín^{1,2,3}, Ms. Marie H. Solheim^{1,2,3}, Mr. Gagik Yeghiazaryan^{2,4}, Mr. Alain J. de Solis^{1,2,3}, Mr. Paul Mirabella^{1,2,3}, Mr. Henning Fenselau^{1,2,3}, Mr. Peter Kloppenburg^{2,4}, Mr. Jens C. Brüning^{1,2,3}

¹Max Planck Institute For Metabolism Research, Cologne, Germany, ²Excellence Cluster on Cellular Stress Responses in Aging Associated Diseases (CECAD), Cologne, Germany, ³Center of Molecular Medicine Cologne (CMMC), University of Cologne, Cologne, Germany, ⁴Institute for Zoology, Biocenter, University of Cologne, Cologne, Germany

PS1-80

Fabrication of Pine oil loaded Donepezil and TPGS stabilized ultra-fine nanoemulsion via Intranasal route for Alzheimer's disease

Mr. Mayank Handa¹, Dr. Rahul Shukla¹

¹National Institute Of Pharmaceutical Education And Research-raebareli, Lucknow, India

PS1-81

Scaffolds of Mobile Extracellular Matrix Molecules Enhance Maturation of Human Stem Cells-Derived Neurons

Alberto Ortega¹, Zaida Alvarez¹, Kohei Sato¹, Ivan Sasselli¹, Alexandra Edelbrock¹, Katherina Quinlan², Chiara Mussumucci¹, Samuel Stupp¹, Evangelos Kiskinis¹

¹Northwestern University, Chicago, USA, ²University of Rhode Island, , USA



PS1-82

SELF-ASSEMBLED HYBRID HYDROGELS BASED ON GRAPHENE DERIVATES AND CERIUM OXIDE NANOPARTICLES AS THREE-DIMENSIONAL SUBSTRATES FOR NEURAL STEM CELLS.

Yurena Polo^{1,3}, Jon Luzuriaga¹, Sergio Gonzalez de Langarica¹, Beatriz Pardo Rodriguez¹, Edurne Marin¹, Daniel E. Martínez-Tong⁴, Gaskon Ibarretxe¹, Fernando Unda¹, JR Sarasua^{1,3}, Aitor Larrañaga^{1,3}, JR Pineda^{1,2}

¹University of the Basque Country (UPV/EHU), Leioa, Spain, ²Achucarro Basque Center for Neuroscience Fundazioa, Leioa, Spain, ³Polimerbio S.L., Donostia-San Sebastian, Spain, ⁴University of the Basque Country (UPV/EHU), Donostia, San Sebastián, Spain

PS1-83

Modulating corticostriatal activity with transcranial static-magnetic-field stimulation

Mr. Jaime Caballero-Insaurriaga^{1,2}, Dr. José Ángel Pineda-Pardo¹, Dr. Guglielmo Foffani³

¹Centre for Integrative Neuroscience AC (HM CINAC), Madrid, Spain, ²Polytechnical University of Madrid (UPM), Madrid, Spain, ³Hospital Nacional de Paraplégicos, Toledo, Spain

PS1-84

Situation of university biotheriums and research centers using murine systems in Peru

Eng. Richard Cisneros¹, M.Sc. Roy Andrade², Ph.D. Elmer Chávez¹, Ph.D Luis Aguilar³

¹National University of Huancavelica, Huancavelica, Peru, ²Cayetano Heredia University, Lima, Peru, ³San Ignacio de Loyola University, Lima, Peru

PS1-85

Acetylcholinesterase in cortical neurons derived from patient-derived iPSCs.

Ms. María-Ángeles Cortés-Gómez^{1,2,3}, Dr. Lotta Agholme⁴, Prof. Henrik Zetterberg⁴, Dr Javier Sáez-Valero^{1,3}, Dr. María-Salud García-Ayllón^{1,2,3}

¹Instituto de Neurociencias de Alicante - UMH - CSIC, San Juan de Alicante, Spain, ²Hospital General Universitario de Elche - FISABIO, Elche, España, ³Centro de Investigación Biomédica en Red sobre Enfermedades Neurodegenerativas (CIBERNED), Madrid, España, ⁴University of Gothenburg, Gothenburg, Sweden

PS1-86

Genomic imprinting of Dlk1 is altered during adult neural stem cells (NSCs) reprogramming into pluripotent stem cells (iPSCs)

Dr. Anna Lozano-Ureña¹, Esteban Jiménez-Villalba¹, Dr. Mitsuroto Ito², Dr. Sacri R. Ferrón¹



¹Universitat De València, Valencia, Spain, ²University of Cambridge, Cambridge, United Kingdom

PS1-87

ANALYSIS OF HIPPOCAMPAL PARTICIPATION IN SOCIAL INTERACTIONS IN A GENETIC MODEL OF AUTISTIC SPECTRUM DISORDER

Pilar Rodríguez-Martín¹, Almudena Sanz¹, Eva Monserrat¹, Inés Colmena¹, Cristina Medina-Menéndez¹, Véronique Lefebvre², Aixa V. Morales¹

¹Instituto Cajal (C.S.I.C.), Madrid, Spain, ²Children's Hospital of Philadelphia, Philadelphia, PA 19104, USA

PS1-88

Effect of the transplant type on RGC neuroprotection and axonal regeneration after optic nerve crush

Ms. María Norte Muñoz¹, Dr. Fernando Lucas Ruíz¹, Mr. Alejandro Gallego Ortega¹, Dr. David García Bernal¹, Prof. Manuel Vidal Sanz¹, Dr. Marta Agudo Barriuso¹

¹Universidad De Murcia, Murcia, Spain