

POSTERS LIST

SESSION I - Thursday 3rd, 17:30hs: EVEN NUMBERS

SESSION II – Friday 4th, 17:30 hs: ODD NUMBERS

IMPORTANT: All posters are expected to be shown during the whole meeting

Brain Awareness Week Activities

- P1.-BAW2019: Do children and worms look alike?** Eliana M. Fernández¹, Marcela A. Brocco¹
Presenting author: Marcela Brocco, mbrocco@iib.unsam.edu.ar
- P2.-Can you listen? Can you hear me? A talk about audition** Luis E. Boero¹, Marcelo J. Moglie¹, Sofia L. Gallino¹, Agustín E. Carpaneto Freixas¹, Tais Castagnola¹, Mariano N. Di Guilmi¹
Presenting author: Agustín Eduardo Carpaneto Freixas, agustincarpaneto@gmail.com
- P3.-Musical learning** Joana Asensio¹, Andrea Barauna¹, Martín Chrabalowski², Cristina Croce¹, Estefanía Fariás Altamirano¹, Leandro Freites¹, Paula López¹, Esperanza Mata Martínez¹, Andrea Páez², Elena Vásquez¹
Presenting author: Carlos Leandro Freites, nano226@live.com.ar
- P4.-The Relator Brain- Short Stories contest about Neuroscience and Life** Macarena Lorena Herrera², Eugenia Falomir Lockhart¹, Franco Juan-Cruz Dolcetti¹, María José Bellini¹
Presenting author: Macarena Lorena Herrera, macarenalherrera@hotmail.com
- P5.-The cinephile Brain- Short films, talks and debate sessions on neuropathologies.** María Cecilia Perondi², Macarena Lorena Herrera², Andrea Otamendi², Alberto Leandro Oliveros², Maximiliano Nicolas Rios¹, Osvaldo Martín Basmadjian², Natalia Andrea Marchese¹
Presenting author: Natalia Marchese, nmarchese@fcq.unc.edu.ar
- P6.-BAW 209 – FCEfYN, UNC.** Franco Mir¹, M. Angélica Rivarola¹, Laura Vivas¹
Presenting author: Franco Mir, francomir@hotmail.com
- P7.-BAW 2019 – Bariloche.** D. Lorena Franco¹, Laura Mazzitelli - Fuentes¹, Sabrina Riva¹, Fernanda R. Roman¹, Ángela I. Tissone¹, Inés Samengo¹
Presenting author: Fernanda Ruth Román, fernanda.r.roman@gmail.com
- P8.-Let's take care about our brain.** María Florencia Rossetti¹, Guillermina Canesini¹, Rocio Schumacher¹, Nicolás Fabre¹, Jorge Guillermo Ramos¹
Presenting author: María Florencia Rossetti, mfrossetti@fcb.unl.edu.ar
- P9.-Brain Awareness YEAR - 2019: Pls and PhD students visit 1K 4th-grade students across Córdoba with the 5-years-old activity "Neuroscience of the Senses".** María Constanza Paz², Nahir Guadalupe Gazal¹, Paula Virginia Subirada², Constanza Milena Jandar Paz¹, Alberto Leandro Oliveros³, Andrea Guzmán³, María Victoria Vaglianti², Sebastian Miranda¹, Asier Angulo¹, Génesis D'aloisio¹, Laura Gastaldi⁵, Victoria Pisano⁶, Cecilia Sánchez², Nicolas Unsain¹
Presenting author: Nicolas Unsain, nunsain@immf.uncor.edu
- P10.-How much do you know about neuroscience? Did you know that neurons are not the most abundant cells in the brain? Let's talk about glia.** Paula Sarchi¹, María Belén Cieri¹, Alejandro Villarreal¹, Verónica Murta¹
Presenting author: Alejandro Villarreal, avillarreal.med@gmail.com

Cellular and Molecular Neurobiology

- P11.-Changes in the messenger RNA of the nicotinic receptor subunits in the aging mouse hippocampus.** Lucía S. Acosta¹, Alejandro O. Soderó¹
Presenting author: Lucía Sol Acosta, acostaluciasol@gmail.com
- P12.-Effects of ammonium on PC12 cells energy metabolism.** Lucas Acosta¹, Analía Karadayian², Luis Rodríguez¹, Silvia Lores Arnaiz², Juanita Bustamante¹
Presenting author: Lucas Acosta, acostalucash@gmail.com
- P13.-Early and long-term effects of stress in male dorsal hippocampus: miRNAomics and behavioral relationship.** Felipe I. Aguayo¹, Wladimir A. Corrales¹, Gabriela Díaz-Véliz², Juan Pablo Silva¹, Felipe A. Olave¹, Luciano Román-Albasini¹, Jhon A. Cidowski³, Jenny L. Fiedler¹
Presenting author: Felipe Ignacio Aguayo Abarca, felipeaguayo@ug.uchile.cl
- P14.-Ghrelin system regulates neurons of the supramammillary nucleus.** Julieta Paola Aguggia¹, María Paula Cornejo¹, Franco Barrile¹, Mirta Reynaldo¹, Guadalupe García Romero¹, Daniela Cassano¹, Pablo Nicolás De Francesco¹, Gimena Fernandez¹, Maia Uriarte Donati¹, Spring Valdivia¹, María José Tolosa¹, Mario Perello¹
Presenting author: Julieta Paola Aguggia, juli_aguggia@hotmail.com
- P15.-Perinatal protein malnutrition results in genome-wide disruptions in hippocampal 5-hydroxymethylcytosine at regions that can be rescued by an enriched environment.** Carolina D. Alberca¹, Ligia A. Papale³, Andy Madrid⁴, Reid S. Alisch³, Eduardo T. Cánepa², Mariela Chertoff²
Presenting author: Carolina Desirée Alberca Doto, caro.alberca@gmail.com
- P16.-Cholesterol recycling is altered during aging in nervous system cells.** Leandro G. Allende¹, María Florencia Harman¹, Mauricio G. Martín¹
Presenting author: Leandro German Allende, lallende@immf.uncor.edu
- P17.-First insights into cell signaling modulation in neuronal SH-SY5Y cells induced by Yerba Mate.** María Soledad Anesetti Nelli¹, Hernán Hauche¹, María Alejandra Bernardi², Pedro Lorenzo Ballesteró¹, Mariana Ferrario³, Marcela Schenk³, Sandra Guerrero³, Melina Paula Bordone¹, Juan Esteban Ferrario¹
Presenting author: María Soledad Anesetti Nelli, soledadanesettinelli@gmail.com
- P18.-Novel molecular mechanisms associated with impaired peripheral nerve repair mediated by anti-ganglioside antibodies.** Cristian Roman Bacaglio¹, Andres Berardo¹, Barbara Beatriz Baez¹, Ana Laura Vivineto¹, Mara Soledad Matalloni¹, Clara Nicole Castañares¹, Khazim Sheikh², Pablo H.H. Lopez¹
Presenting author: Cristian Roman Bacaglio, cristian.bacaglio@gmail.com
- P19.-TNFR1a as a transducer molecule for the inhibitory effect of anti-ganglioside antibodies on axon regeneration.** Bárbara Beatriz Báez¹, Cristian Bacaglio¹, Ronald Schnaar¹, Pablo Héctor Horacio Lopez¹
Presenting author: Bárbara Beatriz Báez, bbaez@immf.uncor.edu
- P20.-The neddylation pathway modulates cytoskeletal actin dynamics altering neuronal development.** Raquel Becerra¹, Sebastián Giusti¹, Ivana Linenberg¹, Jerónimo Lukin¹, Florencia Merino¹, Giuliana Di Mauro¹, Fernando Stefani², Damián Refojo¹
Presenting author: Raquel Becerra, raquelmcs88@gmail.com
- P21.-REDOX IMBALANCE IN RETINAL DEGENERATION PROMOTED BY CONSTANT LIGHT EXPOSURE.** María Mercedes Benedetto¹, Manuel Gastón Bruera¹, María Ana Contin¹
Presenting author: María Mercedes Benedetto, benedettomm@gmail.com
- P22.-Cognitive impairment and changes in hippocampal plasticity genes in the transgenic McGill-R-Thy1-APP rat model of Alzheimer's disease.** Valeria Berkowicz¹, Sonia DoCarmo², Verónica Baez¹, Martín Habif¹, Magali Cercato¹, A. Claudio Cuello², Edgar Kornisiuk¹, Diana Jerusalinsky¹
Presenting author: Valeria Berkowicz, valeberko@gmail.com
- P23.-APP/Go signaling modulates the interaction between APP and BACE1.** Magdalena Antonino¹, Paula Marmó¹, Alfredo Lorenzo¹, Anahi Bignante¹
Presenting author: Elena Anahi Bignante, abignante@immf.uncor.edu
- P24.-LOCALIZATION OF THE TYROSINE HYDROXYLASE POSITIVE CELLS WITH THE PROSOMERIC MODEL IN HYPOTHALAMUS OF POSTNATAL RATS.** María Guillermina Bilbao^{1,2}, Daniel Garrigós^{3,4}, José Angel Tová^{3,4}, Yevheny Kutsenko^{3,4}, Rosario Bautista^{3,4}, Alberto Barreda^{3,4}, Luis Puelles^{3,4}, José Luis Ferrán^{3,4}
Presenting author: María Guillermina Bilbao, mgbilbao@vet.unlpam.edu.ar

- P25.-GM1-pentasaccharide (osGM1) prevents damage on dopaminergic system in a mouse model of Parkinson's disease.** C. Gaston Bisig¹, Yanina Ditamo¹, Macarena Rodriguez-Walker¹, Gimena Farias¹, Pablo Rodriguez²
Presenting author: Carlos Gaston Bisig, gastonbisig@gmail.com
- P26.-Serotonin (5-HT) and catecholamines (CA) coordinates antagonistic food-related behaviors in C. elegans.** María Gabriela Blanco¹, María José De Rosa¹, Diego Rayes¹
Presenting author: María Gabriela Blanco, mgblanco@inibibb-conicet.gob.
- P27.-Tyrphostin AG879 and c-Src inhibitors reduced neurite outgrowth induced by stimulation of Ang II AT2 receptors in SH-SY5Y neuroblastoma cells.** Helga M. Blanco¹, Claudia Banchio², Sergio E. Alvarez¹, Gladys M. Ciuffo¹
Presenting author: Helga Myrna Blanco, helgamyrna@gmail.com
- P28.-Impact of Val66Met polymorphism in the brain-derived neurotrophic factor (BDNF) gene in the vulnerability to cocaine addiction induced by chronic stress.** M. Julieta Boezio¹, Daiana Rigoni¹, Liliana M. Cancela¹, Agustín Anastasia², Flavia Bollati¹
Presenting author: María Julieta Boezio, mjulib7@gmail.com
- P29.-Heterogeneity of effects of antipsychotic drugs on voltage-gated calcium channels type 2 (CaV2.2) currents.** Emmanuel E Bortolotto¹, Clara I McCarthy¹, Santiago Cordisco Gonzalez¹, Román E Mustafá¹, Silvia S Rodriguez¹, Jessica Raingo¹
Presenting author: Emmanuel Bortolotto, eema.cjs@hotmail.com
- P30.-Maternal stress alters BDNF signaling expression in hippocampus and reduces anxious-like phenotype in prepubertal offspring rat.** María Eugenia Pallarés¹, Melisa C. Monteleone², Verónica P. Pastor¹, Silvina L. Díaz³, Marcela A. Brocco², Marta C. Antonelli¹
Presenting author: Marcela A. Brocco, mbrocco@iib.unsam.edu.ar
- P31.-Retinal degeneration promoted by excessive light: Role of the Glial cells.** Manuel Gastón Bruera¹, María Mercedes Benedetto¹, Alicia L Degano¹, María Ana Contin¹
Presenting author: Manuel Gastón Bruera, mbruera@fcq.unc.edu.ar
- P32.-A cell-based model for αS aggregation in Parkinson disease: Testing the correlation between structural and cellular biology.** Fiamma Buratti¹, Iñaki Gentile¹, Hugo Garro¹, Carla Ramunno¹, Nazareno González¹, Ezequiel Nigenda¹, Claudio Fernández¹
Presenting author: Fiamma Ayelén Buratti, buratti@iidefar-conicet.gob.ar
- P33.-Sera from prediabetic patients induce changes in neurons and glia in mix primary cultures.** María Pilar Canal¹, Anna De Tomas Lioro¹, Cecilia Pugliese², Adelina Badolati², María Veronica Baez¹
Presenting author: María Pilar Canal, pili.canal31@gmail.com
- P34.-MAG as a therapeutic target for neurodegenerative diseases associated to glutamate overload.** Clara Nicole Castañares¹, Ana Laura Vivinetto¹, Ana Lis Moyano², Ronald L Schnaar³, Pablo HH Lopez¹
Presenting author: Clara Nicole Castañares, ccastanares@immmf.uncor.edu
- P35.-TDP-43 overexpression affects global brain translation.** Santiago Charif¹, Antonella Vila³, Alejandro Colman-Lerner^{2,3}, Matías Blaustein^{2,3}, Lionel Muller Igaz¹
Presenting author: Santiago Elías Charif, santiagoeliascharif@gmail.com
- P36.-Astrocyte conversion to proinflammatory-neurodegenerative phenotype is a key step in evolution of traumatic brain injury.** María Belen Cieri¹, Ingrid Mailing¹, Alejandro Villarreal¹, Verónica Murta¹, Alberto Javier Ramos¹
Presenting author: María Belen Cieri, cieri-belen@gmail.com
- P37.-Subcellular localization of Angiotensin II receptors in Substantia nigra of young and aged rats.** María Elena Arce¹, Susana I. Sánchez¹, Helga M. Blanco¹, Gladys M. Ciuffo¹
Presenting author: Gladys María Ciuffo, gciuffo7@gmail.com
- P38.-Sexual dimorphism in the effect of glucocorticoids on the miRNA expression pattern in rat hippocampus.** W. A. Corrales¹, J. P. Silva¹, F. A. Olave¹, F. I. Aguayo¹, L. Román-Albasini¹, V. Maracaja-Coutinho², J. A. Cidlowski³, J. L. Fiedler¹
Presenting author: Wladimir Antonio Corrales, wladimir.corrales@gmail.com
- P39.-Revealing the long-range three-dimensional organization of tanyocyte processes within the basal hypothalamus of mice.** Tomás Crespo¹, Maia Uriarte¹, Paula Reggiani², Rodolfo Gustavo Goya², Mario Perelló¹, Pablo Nicolás De Francesco¹
Presenting author: Nicolás De Francesco, nicolasdefrancesco@gmail.com
- P40.-A circular RNA derived from the Tulp4 gene controls excitatory neurotransmission and regulates anxiety-related behavior.** Giuliana Constanza Di Mauro¹, Florencia Merino¹, Sebastián Giusti¹, Natalia Pino³, Mora Ogando¹, Belén Pardi¹, Antonia Marin Burgin¹, Olaf Jahn², Nils Brose², Wolfgang Wurst³, Damián Refojo¹
Presenting author: Giuliana Constanza Di Mauro, giulidimauro@gmail.com
- P41.-Development of a regulable system for neuronal specific molecular silencing using micro RNA for therapeutical purposes.** Tomás Eidelman¹, Melina Paula Bordone², Ana Damianich³, Oscar Samuel Gershanik⁴, María Elena Avale³, Juan Esteban Ferrario²
Presenting author: Tomás Eidelman, tomas.eidelman@gmail.com
- P42.-Basal repression of BDNF in old neurons is triggered by CDYL-HDAC2 accumulation and SPHK2 decrease.** Setiembre Delfina Elorza¹, María Florencia Harman¹, Mauricio Gerardo Martín¹
Presenting author: Setiembre Delfina Elorza, setiembreelorza@gmail.com
- P43.-Modulation of Tau 3R:4R Isoforms Imbalance Precludes Motor Impairments in a Mouse Model of Tauopathy.** Carolina Facal¹, Ana Damianich¹, Camilo Mininni², Silvano Zanutto², Juan Esteban Ferrario³, M. Elena Avale¹
Presenting author: Carolina Lucia Facal, carolinafacal@hotmail.com
- P44.-Calcium signaling stimulates PERK pathway.** Macarena Fernandez¹, Mariana Bollo¹
Presenting author: Macarena Fernandez, maquifernandez@immmf.uncor.edu
- P45.-Dyrk1a overexpression induces APP axonal transport impairments in human neurons.** Iván Fernández Bessone¹, Mariana Holubiec¹, Matías Alloatti¹, Jordi L. Navarro¹, Trinidad Saez¹, Tomás Falzone¹
Presenting author: Iván Fernández Bessone, ifernandezbessone@gmail.com
- P46.-Protein malnutrition and premature aging: impact on cognitive skills and cellular senescence.** Nadina M. Ferroni¹, Eduardo T. Cánepa¹, Silvina V. Sonzogni¹
Presenting author: Nadina Ferroni, nadinaferroni@gmail.com
- P47.-Dynamic association of Rpt5 to cold-stable microtubules in glial cells.** Jesica Belén Flores Martín¹, Laura Vanesa Bonnet¹, Anabela Palandri¹, Marta Elena Hallak¹, Mauricio Raúl Galiano¹
Presenting author: Jesica Belén Flores Martín, jesifloresm@gmail.com
- P48.-Identification of calcium binding sites and structural determinants that regulate potentiation of α9α10 nicotinic cholinergic receptors.** Sofia Gallino¹, Paola Plazas², Juan Boffi¹, Ana Belén Elgoyhen¹
Presenting author: Sofia Gallino, sofi.gallino@gmail.com
- P49.-Insulin resistance augments nicotinic acetylcholine receptor (nAChR) internalization and inhibits its cell-surface expression upon acute insulin treatment.** Eugenia Pérez¹, Francisco J. Barrantes¹, Ana Paula García²
Presenting author: Ana Paula García, anhapaulag@gmail.com
- P50.-QUANTITATIVE EXPANSION MICROSCOPY AND ITS VALIDATION CHARACTERIZING THE SPECTRIN MEMBRANE-ASSOCIATED PERIODIC SKELETON IN AXONS.** N. Guadalupe Gazal¹, Gaby F. Martínez¹, Gonzalo Quassollo¹, Alan Szalai³, Esther del Cid-Pellitero⁵, Thomas M. Durcan⁵, Edward A. Fon⁵, Mariano Bisbal^{1,2}, Fernando D. Stefani^{3,4}, Nicolás Unsain^{1,2}
Presenting author: Nahir Guadalupe Gazal, nggazal@immmf.uncor.edu
- P51.-Antiamyloid compounds designed for inhibition of αS aggregation.** Iñaki Gentile¹, Fiamma A Buratti¹, Hugo A Garro¹, Carla F Ramunno¹, Nazareno González¹, Ezequiel Silva Nigenda¹, Claudio O Fernández¹
Presenting author: Iñaki Gentile, gentile@iidefar-conicet.gob.ar

- P52.-Changes in pre and post synaptic proteins during LTM early consolidation.** María Laura Gobbini¹, María Florencia Acutain¹, María Pilar Canal¹, María Verónica Baez¹
Presenting author: **María Laura Gobbini**, laugobbini@yahoo.com.ar
- P53.-REST as a possible mediator of the neuroprotective effect of extra virgin olive oil.** Martín Godoy¹, M. Paula Ibañez¹, Susana Mattar², Martín A. Bruno^{3,4}
Presenting author: **Martín Sergio Godoy**, godoymartin@gmail.com
- P54.-Participation of TGFβ on the remyelination process.** Laura Ivonne Gómez Pinto¹, Debora Rodriguez¹, Ana María Adamo¹, Patricia Mathieu¹
Presenting author: **Laura Ivonne Gómez Pinto**, ivonnegomezpinto@gmail.com
- P55.-CaMKII delta regulation in memory maintenance and persistence.** Gina Granja Galeano¹, Gisela Zalcmán¹, Noel Federman², Arturo Romano¹
Presenting author: **Gina Granja Galeano**, gina.granjag@gmail.com
- P56.-Perinatal protein malnutrition-induced anhedonia is associated to a reduced hippocampal dendritic spine density and BDNF levels in the adult offspring.** María Cecilia Gutiérrez¹, María Cecilia Perondi¹, Ramiro Comas-Mutis¹, Gabriel Cuadra¹, Gastón Calfa¹, Analía Valdómero¹
Presenting author: **María Cecilia Gutiérrez**, cecigutierrez_05@hotmail.com
- P57.-hiPSC- and hNPC-derived Extracellular Vesicles: composition and biological activity.** Malena Herrera López¹, Monica Remedi², Laura Gastaldi¹, Danilo Ceschin¹, Alfredo Oscar Cáceres^{1,2}, Ana Lis Moyano¹
Presenting author: **Malena Herrera Lopez**, maleherreralopez@gmail.com
- P58.-Rejuvenating the brain with chronic exercise through adult neurogenesis.** Magalí Herrero¹, Mariela Fernanda Trincheró¹, Alejandro Fabián Schinder¹
Presenting author: **Magalí Herrero**, mherrero@leloir.org.ar
- P59.-Tau and APP relation in human cerebral organoids with the Swedish mutation.** Mariana Inés Holubiec¹, Ivan Fernandez Bessone¹, Matias Alloatti¹, María Sol Sargiotto De Raedemaeker¹, Trinidad MM Saez¹, Tomas L Falone¹
Presenting author: **Mariana Inés Holubiec**, marianholubiec@gmail.com
- P60.-IMPACT OF THE HUMAN VAL66MET POLYMORPHISM OF THE BDNF GENE ON THE STRUCTURE AND FUNCTION OF DOPAMINERGIC NEURONS.** Constanza Milena Jandar Paz¹, Agustín Anastasia¹
Presenting author: **Constanza Milena Jandar Paz**, cjandarpaz@immf.uncor.edu
- P61.-In silico characterization and functional analysis of non-synonymous polymorphisms (nsSNPs) present in GPM6A's extracellular coding regions.** Antonella León¹, Gabriela Inés Aparicio¹, Alberto Carlos Frasc¹, Camila Scorticati¹
Presenting author: **Antonella León**, aleon@iib.unsam.edu.ar
- P62.-Isolation of brain synaptosomes with functional mitochondria.** Paulina Lombardi¹, Analía Karadayian¹, Juan Ignacio Guerra¹, Juanita Bustamante¹, Silvia Lores Arnaiz¹
Presenting author: **Paulina Lombardi**, paulina.lombardi@gmail.com
- P63.-Neuroprotective Insulin-like Growth Factor 1 (IGF1) gene therapy for a rat model of sporadic Alzheimer's disease.** Juliette López Hanotte¹, María Florencia Zappa Villar¹, Joaquín Pardo¹, Gisela Camihort², Paula Cecilia Reggiani³
Presenting author: **Juliette López Hanotte**, julietteloha@gmail.com
- P64.-Glyphosate exposure impairs nervous system development and functioning.** Sebastian Luna¹, Silvana Rosso¹
Presenting author: **Sebastian Luna**, seba_14_8@hotmail.com
- P65.-Dam Early Free Access to Hypertonic NaCl Solution Induces a Long-Term Effect on Offspring Basal Chronic Brain Cell Activity.** Agustina Macagno¹, Cintia Porcari¹, Laura Vivas¹, Agustín Anastasia¹, Andrea Godino¹
Presenting author: **Agustina Macagno**, amacagno@immf.uncor.edu
- P66.-Intrinsic blue-light responses in avian Müller glial cells involve non-visual opsin activation and calcium release from internal stores.** Natalia Marchese¹, Maximiliano Rios¹, Mario Guido¹
Presenting author: **Natalia Marchese**, nmarchese@fcq.unc.edu.ar
- P67.-Role of RhoD GTPase in neuronal development and neuronal polarity.** Josefina Martín¹, Gonzalo Quassollo¹, Mariano Bisbal¹
Presenting author: **Josefina Inés Martín**, joinesmartin@gmail.com
- P68.-Passive immunization with anti-Myelin-associated glycoprotein antibodies induces an autistic phenotype associated with altered postnatal neurodevelopment.** Mara Soledad Mattalloni¹, Anabela Palandri¹, Cristian Bacaglio¹, Víctor Amaya¹, Ronald L Schnnar², Pablo H H Lopez¹
Presenting author: **Mara Soledad Mattalloni**, marsol214@hotmail.com
- P69.-FUNCTIONAL AND STRUCTURAL CHARACTERIZATION OF HUMAN HETEROMERIC 5-HT3 RECEPTORS.** Albano Mazzarini Dimarco¹, Cecilia Bouzat¹, Jeremías Corradi¹
Presenting author: **Albano Mazzarini Dimarco**, amazzarini@inibibb-conicet.gob.ar
- P70.-In vivo effect of a single dose of mesenchymal stem cells exogenously expressing IGF-I in a spinal cord compression model.** Graciela L Mazzone¹, Samuel Cockey², Rocio Bertossi¹, Esteban J Fiore³, Romina Sierra¹, Guillermo D Mazzolini³, Jorge B Aquino¹
Presenting author: **Graciela Lujan Mazzone**, gmazzone@austral.edu.ar
- P71.-Role of actin cytoskeleton dynamics and its modulator Cofilin 1 in fear memory processing.** Candela Medina¹, Verónica de la Fuente¹, Arturo Romano¹
Presenting author: **Candela Medina**, candela.eme@gmail.com
- P72.-EphA3 ectodomain and uPA increase retinal ganglion cells axon growth by regulating FAK activity.** Mara Medori^{1,2}, Gonzalo Spelzini^{1,2}, Luisa Renee Teruel^{1,2}, Cindy Olmos Carreño^{1,2}, Viviana Sanchez^{1,2}, Luciano Fiore^{1,2}, Gabriel Scicolone^{1,2}
Presenting author: **Mara Solange Medori**, mara_medori@hotmail.com
- P73.-Hyaluronic acid depletion effects on neurosphere cultures.** Yamila Molinari¹, Matías Pibuel², Daniela Poodts², Mariangeles Díaz², Silvina Lompardía², Lucas Silvestroff¹, Paula Franco¹
Presenting author: **Yamila Molinari**, yamila.azul.m@gmail.com
- P74.-The effects of Wnt7b signalling on axonal morphology.** Lorena P Neila¹, Silvana B. Rosso¹
Presenting author: **Lorena Paola Neila**, lorepneila@gmail.com
- P75.-Evidence for a differential dorso-ventral hippocampal sensitivity to chronic stress in female rats: Relevance to sex biases in mood disorders.** Felipe Antonio Olave¹, Felipe Ignacio Aguayo¹, Luciano Roman-Albasini¹, Wladimir Antonio Corrales¹, Juan Pablo Silva¹, Jenny Lucy Fiedler¹
Presenting author: **Felipe Antonio Olave Olave**, felipe.olave@ug.uchile.cl
- P76.-Alpha-Synuclein-induced intracellular trafficking defects as a potential pathogenic mechanism for Parkinson's Disease.** Milagros Ovejero¹, Laura Gastaldi³, Monica Remedi^{1,3}, Vaishali Sharma², Mariano Bisbal¹, Thomas M. Jovin², Donna J. Arndt-Jovin², Alfredo Cáceres^{1,3}, Agustín Anastasia^{1,3}
Presenting author: **Milagros Ovejero**, movejero@immf.uncor.edu
- P77.-Deletion of the arginyltransferase gene in oligodendrocytes impairs myelination.** Anabela Palandri¹, Laura Vanesa Bonnet¹, Jesica Belen Flores Martín¹, Anna Kashina¹, Marta Hallak¹, Mauricio Raul Galiano¹
Presenting author: **Anabela Palandri**, anabelapalandri@gmail.com
- P78.-ROLES OF KIF5C ON NEURONAL POLARIZATION AND NEOCORTICAL FORMATION "IN SITU".** Mayra Perotti¹, Santiago Quiroga¹
Presenting author: **Mayra Florencia Perotti**, mperotti@fcq.unc.edu.ar
- P79.-Brain changes of serotonergic 5HT2C receptor and oxytocin expression after an acute body sodium depletion.** Cintia Porcari¹, Agustina Macagno¹, Laura Vivas¹, Andrea Godino¹
Presenting author: **Cintia Yamila Porcari**, cporcari@immf.uncor.edu
- P80.-Role of the Piriform Cortex in the development of social behavior in mice.** Mauro Ramirez¹, Araceli Seiffe¹, Sofia Degiorgi¹, Joaquin Correia Goncibatt¹, Amaicha Depino¹
Presenting author: **Mauro Federico Ramirez**, mauroramirez.ar@gmail.com
- P81.-Arylalkylamine N-acetyltransferase: "Nuclear translocation and potential role in response to blue light in retinal neuron cells".** Maximiliano Nicolas Rios¹, Natalia Andrea Marchese¹, Mario Eduardo Guido¹
Presenting author: **Maximiliano Nicolas Rios**, maxi27rios@gmail.com

- P82.-Effects of nuclear receptors PPAR γ and RXR activation in NPC and OPC primary cultures.** Debora Rodriguez¹, Laura Gómez Pinto¹, Patricia Mathieu¹, Ana M. Adamo¹
Presenting author: **Debora Vanesa Rodriguez**, rodriguez-debora@hotmail.com
- P83.-Intracellular trafficking of Diacylglycerol Lipase in Kinesin Light Chain knock-out neurons.** María Sol Rodríguez¹, Iván Fernandez Bessone¹, Jordi Navarro¹, María Sol Sargiotto¹, Mariana Holubiec¹, Tomás Falzone¹, Trinidad Saez¹
Presenting author: **María Sol Rodríguez**, solr343@gmail.com
- P84.-NEUROPROTECTIVE EFFECT OF FK506 AGAINST OXIDATIVE STRESS.** María E Rosbaco¹, Cristina Daneri-Becerra¹, Mario D Galigniana^{1,2}, Ana Belén Ramos-Hryb¹
Presenting author: **María Emilia Rosbaco**, emi_rosbaco@hotmail.com
- P85.-SARA involvement in modulating TGF β signaling during neural development.** Victoria Rozés.Salvador¹, Carlos Wilson², Christian Gonzalez-Billault⁴, Cecilia Conde¹
Presenting author: **Victoria Rozés-Salvador**, vrozes@immf.uncor.edu
- P86.-Spontaneous electrical activity regulates axonal arbor growth in developing Zebrafish lateral line afferent neurons.** Lucia Salatino¹, Ana Belen Elgoyhen², Paola Plazas¹
Presenting author: **Lucia Salatino**, lu.salatin@gmail.com
- P87.-ASIC1a channel and activation of ERK pathway.** Libia Catalina Castellanos¹, Rodolfo Gatto², Osvaldo Daniel Uchitel¹, Carina Weissmann¹
Presenting author: **Libia Catalina Salinas Castellanos**, libia_catalina53@hotmail.com
- P88.-Effects of postnatal overfeeding and enriched environment over the brain reward system evaluated by feeding behavior test.** Rocio Schumacher¹, Florencia Rossetti¹, Gisela Lazarino¹, Florencia Acutain², Canesini Guillermina¹, Fabre Nicolas¹, Stoker Cora¹, Josefina Carrio³, Florencia Andreoli⁴, Guillermo Ramos¹
Presenting author: **Rocio Schumacher**, rociosch09@gmail.com
- P89.-Abnormal neuron nuclear morphology after transgene suppression in a conditional TDP-43 mouse model of neurodegenerative disease.** Pablo Silva¹, Gabriela Nieva¹, Lionel Muller¹
Presenting author: **Pablo Silva**, pablosilvapinto@gmail.com
- P90.-Hippocampal glucocorticoids receptors mediate a sex-biased microRNAs profile expression in mice.** Juan Pablo Silva¹, Wladimir A. Corrales¹, Macarena Tejos-Bravo¹, Felipe I. Aguayo¹, Felipe A. Olave¹, Luciano Román-Albasini¹, John A. Cidlowski³, Vinicius Maracaja-Coutinho², Jenny L. Fiedler¹
Presenting author: **Juan Pablo Silva Rodríguez**, juan.silva.r@ug.uchile.cl
- P91.-Climbing fiber patterning is impaired by angiotensin II type 2 receptor blockage on postnatal cerebellum.** Florencia Martina Soler Garcia¹, Susana Inés Sanchez¹, Frank Schweda², Lucia Beatriz Fuentes¹
Presenting author: **Florencia Martina Soler Garcia**, fsolergarcia@gmail.com
- P92.-Sex chromosome complement regulates Dnmt3a-gene expression in the anterior amygdala of developing mouse brain.** Camila Sosa¹, Lucas E. Cabrera Zapata¹, Carla D. Cisternas¹, María Julia Cambiasso²
Presenting author: **Camila Sosa**, csosa@immf.uncor.edu
- P93.-Adipose-derived mesenchymal stem cells and magnetic nanoparticles: different tools combined to promote sciatic nerve regeneration after injury.** Paula Andrea Soto¹, Gonzalo Piñero¹, Vanina Usach¹, Marcela B Fernández van Raap², Patricia Setton-Avruj¹
Presenting author: **Paula Andrea Soto**, paula.asoto02@gmail.com
- P94.-Participation of p75NTR in a mouse model of Choroidal Neovascularization.** Paula Virginia Subirada¹, María Victoria Vaglienti¹, Agustín Fierro², Alejandra Jurado², Paula O'Brien², José Luna Pinto², María Cecilia Sánchez¹, Agustín Anastasia³, Pablo Federico Barcelona¹
Presenting author: **Paula Virginia Subirada**, psubirada@gmail.com
- P95.-Dopaminergic neuroprotection induced by yerba mate: experimental evidence in hemiparkinsonian animals.** L. Teresita Tribbia¹, Gimena Gomez², A. Cecilia Cura¹, Roy C. Rivero³, María A. Bernardi², Juan E. Ferrario², Bertha Baldi Coronel³, Oscar S. Gershanik², Emilia M. Gatto⁴, Irene RE. Taravini¹
Presenting author: **Liliana Teresita Tribbia**, teresita.tribbia@gmail.com
- P96.-A critical period for experience-dependent plasticity in neurons born in the aged hippocampus.** Mariela Fernanda Trincherro¹, Magalí Herrero¹, María Cristina Monzón-Salinas¹, Alejandro Fabián Schinder¹
Presenting author: **Mariela Fernanda Trincherro**, mftrincherro@gmail.com
- P97.-Activation of D1R reduces the Kv1.3 current and contributes to the hypercholinergic state of parkinsonism.** Cecilia Tubert¹, Rodrigo M. Paz¹, M. Gustavo Murer¹
Presenting author: **Cecilia Tubert**, cecitubert@gmail.com
- P98.-Effect of Nitro-Oleic Acids in a mouse model of Oxygen-Induced Retinopathy.** María Victoria Vaglienti¹, Paula Virginia Subirada¹, María Constanza Paz¹, Magalí Evelin Ridano¹, Pablo Federico Barcelona¹, Gustavo Bonacci¹, María Cecilia Sánchez¹
Presenting author: **María Victoria Vaglienti**, mvaglienti@fcq.unc.edu.ar
- P99.-Identifying molecular mediators of the effects of cerebellar neuroinflammation on sociability: relevance for autism.** Macarena Varela¹, Cecilia Zappala¹, Sofía Degiorgi¹, Araceli Seiffe¹, Amaicha Depino¹
Presenting author: **Macarena Rocio Varela**, varelamacarenar@gmail.com
- P100.-Shiga toxin 2 (Stx2) from enterohemorrhagic Escherichia coli (EHEC) produces cerebellar impairment of the vascular unit with inflammatory involvement.** Vanina Giselle Velardo¹, Clara Valentina Berdasco¹, Fernando Correa², Adriana Cangelosi³, Patricia Geoghegan³, Jorge Goldstein¹
Presenting author: **Vanina Giselle Velardo**, vaninagisellevelardo@gmail.com
- P101.-Expression and cellular function of KCNQ channels in the eye.** Marcela Sonia Vera¹, Sofía Stupnik¹, Estaban Pablo Barila¹, Olga Lorena German^{2,3}, Guillermo Spitzmaul^{1,2}
Presenting author: **Marcela Sonia Vera**, marceverita@gmail.com
- P102.-Histone acetylation in reactive astrocytes: Is microglia the triggering "sparkle"?** Alejandro Villarreal¹, Matías Monteverde¹, Camila Vidos¹, María Belén Cieri¹, Alberto Javier Ramos¹
Presenting author: **Alejandro Villarreal**, avillarreal.med@gmail.com
- P103.-Posttranslational modification of tubulin by tyrosine analogues alters mitochondrial transport mediated by molecular motors.** Agustina Zorngiotti¹, Valentina Filiberti¹, Yanina Ditamo¹, Carlos A. Arce¹, Gastón C. Bisig¹
Presenting author: **Agustina Zorngiotti**, aguszorngiotti95@gmail.com
- P104.-Effects of copper overload on cholesterol synthesis and APP cleavage.** Marlene Zubillaga¹, Diana Rosa², Mariana Astiz³, Nathalie Arnal⁴
Presenting author: **Marlene Zubillaga**, zubillagamarlene@gmail.com

Chronobiology

- P105.-As the Brain's Soldiers Grow Older: Aging Microglia within the Pineal Gland.** Carlos Leandro Freitas¹, Estela Maris Muñoz¹
Presenting author: **Carlos Leandro Freitas**, nano226@live.com.ar
- P106.-Glial contribution to circadian structural plasticity in pacemaker neurons of Drosophila melanogaster.** Juan Ignacio Ispizua¹, María Fernanda Ceriani¹
Presenting author: **Juan Ignacio Ispizua**, ispiuzua.juan@gmail.com
- P107.-Processing bodies and Stress granules oscillate in Neuro-2a cells and mouse fibroblasts.** Melisa Malcolm¹, Gabriela Laura Pennazi¹, Eduardo Garbarino Pico¹
Presenting author: **Melisa Malcolm**, melisamalcolm@gmail.com
- P108.-A metabolic oscillator controls temporal changes in lipid metabolism and redox status in tumor cells.** Natalia M. Monjes¹, Paula M. Wagner¹, Mario E. Guido¹
Presenting author: **Natalia Monjes**, nmonjes@fcq.unc.edu.ar

- P109.-Drosophila clock neurons as a model to explore the selective vulnerability to huntingtin polyQ elongation.** Ana Ricciuti¹, Nara I. Muraro¹
Presenting author: **Ana Ricciuti**, an.ricciuti@gmail.com
- P110.-Circadian control of postmating behaviors in Drosophila females.** Sabrina Carla Riva¹, Lihuen Adrian Soria Mercier¹, Sebastian Risau Gusman¹, Diana Lorena Franco¹
Presenting author: **Sabrina Riva**, sabririva21@gmail.com
- P111.-The role of orsai in circadian rhythms and aging.** Giovanna Velázquez-Campos¹, Magdalena Fernandez-Acosta¹, M. Fernanda Ceriani¹
Presenting author: **Giovanna Margarita Velazquez Campos**, gvelazquez.010390@gmail.com
- P112.-Temporal control of tumor growth in nocturnal mammals: impact of the circadian system.** Paula Micaela Wagner¹, César Germán Prucca¹, Fabiola Noelia Velázquez¹, Beatriz Caputto¹, Mario Eduardo Guido¹
Presenting author: **Paula Wagner**, pwagner@fcq.unc.edu.ar

Cognition, Behavior, and Memory

- P113.-Object recognition reconsolidation in mice: What's the hippocampus deal?** Leila Ameneiro¹, Arturo Romano¹
Presenting author: **Leila Soledad Ameneiro**, leilaameneiro1991@yahoo.com.ar
- P114.-Immunomodulation approach aimed to control neuroinflammation, amyloid-beta aggregation and cognitive deterioration in a rat model of AD-like pathology.** Juan Manuel Arancibia¹, Maria Beatriz Bistue Millón¹, Ramiro Avila¹, Martin A Bruno¹
Presenting author: **Juan Manuel Arancibia**, jmarancibia12@gmail.com
- P115.-Repeated cold exposures controls hippocampal inflammation and prevent cognitive impairment in AD-like rat model.** Ramiro Avila¹, M Beatriz Bistué Millón¹, Juan Manuel Arancibia¹, Martín A. Bruno¹
Presenting author: **Ramiro Avila**, avilaacoronni@gmail.com
- P116.-Unsupervised cluster analysis of task solving strategies using an animal model of striatal cholinergic interneurons ablation.** Juan Pablo Beccaria¹, M Gustavo Murer¹, Juan E Belforte¹
Presenting author: **Juan Pablo Beccaria**, jpbeccaria@gmail.com
- P117.-Participation of basolateral amygdala complex astrocytes in different stages of a contextual fear memory.** Melisa Riva Gargiulo¹, Víctor Molina¹, Christian Luis Bender¹
Presenting author: **Christian Luis Bender**, cbender@unc.edu.ar
- P118.-Active and receptive musical training affects emotional and neutral memory in 4- and 5- year-old children.** María Angélica Benítez^{1,2,3}, Verónica Díaz Abraham^{1,2,3}, Nadia Justel^{1,2,3}
Presenting author: **María Angélica Benítez**, mariabenitez@conicet.gov.ar
- P119.-CONSOLIDATION OF HUMAN DECLARATIVE MEMORY: AN ALL-OR-NOTHING PROCESS? PRELIMINARY RESULTS.** Matias Bonilla¹, Malen D Moyano¹, Laura Kaczer³, Ignacio Brusco², Silvia Kochen¹, Cecilia Forcato¹
Presenting author: **Matias Bonilla**, bonillamatias@gmail.com
- P120.-A physically active lifestyle is related to an enhancement in immediate memory for positive valence stimuli.** Maximiliano Bossio¹, Nadia Justel^{1,2}
Presenting author: **Maximiliano Bossio**, m.alejbossio@gmail.com
- P121.-A BEHAVIORAL-TAGGING PERSPECTIVE OF SPACED LEARNING: LTM FORMATION DURING AN INHIBITORY AVOIDANCE TASK.** Pablo Budriesi¹, Ramiro Tintorelli¹, Julieta Correa¹, Pamela Lopes da Cunha¹, Haydée Viola¹
Presenting author: **Pablo Hernan Budriesi**, pablo.budriesi@gmail.com
- P122.-Subjective effects and neurophysiological correlates of inhaled consumption of N,N-dimethyltryptamine (DMT) in an urban natural environment.** Federico Cavanna¹, Carla Pallavicini², Federico Zamberlan¹, Mauricio Arias³, Enzo Tagliacuzzi¹
Presenting author: **Federico Cavanna**, f.cavanna@gmail.com
- P123.-Molecular mechanisms underlying promoter effect of IGF-1 on the formation of a fear memory trace.** Leandro Gabriel Champarini¹, Macarena Lorena Herrera¹, Pablo Javier Espejo¹, Ramiro Gabriel Comas Mutis¹, Gastón Diego Calfa¹, Víctor Alejandro Molina¹, Claudia Beatriz Hereñú¹
Presenting author: **Leandro Gabriel Champarini**, leandrochamparini@gmail.com
- P124.-Pi3k pathway of the 5-HT2A receptor participates in the resolution of memory interference during recovery of object recognition memory in rats.** Guido Cicuttin¹, Juan Facundo Morici¹, Pedro Bekischein¹, Noelia Weisstaub¹
Presenting author: **Guido Cicuttin**, guido.cicu@gmail.com
- P125.-Hippocampal structural plasticity associated to the fear memory destabilization/reconsolidation process.** Ramiro Gabriel Comas Mutis¹, Irene Delia Martijena², Víctor Alejandro Molina², Gastón Diego Calfa²
Presenting author: **Ramiro Gabriel Comas Mutis**, ramicomas@hotmail.com
- P126.-A BEHAVIORAL-TAGGING PERSPECTIVE OF SPACED LEARNING: PERSISTENCE OF CONSOLIDATED MEMORIES CAN BE MODIFIED IN RESPONSE TO RETRAINING.** Julieta Correa¹, Ramiro Tintorelli¹, Pablo Budriesi¹, Haydée Viola¹
Presenting author: **Julieta Andrea Correa**, correajulietaa@gmail.com
- P127.-Sex chromosome complement influences communicative behavior in the valproic acid animal model of autism spectrum disorder.** Lucio Cravero¹, María Julia Cambiasso¹
Presenting author: **Lucio Cravero**, lucio.crav@gmail.com
- P128.-Modulation of lateral habenula neuronal activity using optogenetics and an arduino/Bonsai based system to study its role in spatial processing.** Verónica de la Fuente¹, Franco Chiesa Docampo², Azul Silva¹, Sebastián Martínez², Ricardo Sánchez-Peña², Mariano Belluscio¹, Joaquín Piriz¹
Presenting author: **Verónica de la Fuente**, verodelaf@gmail.com
- P129.-Focal musical interventions to improve memory consolidation.** Veronika Diaz Abraham^{1,2,3,4}, Nadia Justel^{1,2,3,4}
Presenting author: **Veronika Mariana Diaz Abraham**, abrahamveronika@gmail.com
- P130.-Memory impairment induced by different types of prolonged stress is dependent on the phase of the estrous cycle in female rats.** Ezequiel Batista Do Nascimento¹, Aline Lima Dierschnabel², André Macedo de Medeiros³, Deborah Suchecki⁴, Regina Helena Silva⁴, Alessandra Mussi Ribeiro⁴
Presenting author: **Ezequiel Batista Do Nascimento**, ezequiel.nascimento@ufsb.edu.br
- P131.-The classic mutant dunce1 is amnesic for olfactory conditioning and hypermnesic for context recognition.** Carolina D'Odorico¹, Iván Assof¹, Mario Rafael Pagani¹
Presenting author: **Carolina Paula D'Odorico**, carolina.dodorico@gmail.com
- P132.-Spatial auditory representations by blind and sighted humans in the peripersonal space.** Nicolás Rodríguez Altieri¹, Esteban Lombera¹, Pablo E. Etchemendy¹, Ignacio Spiouzas², Ramiro O. Vergara¹
Presenting author: **Pablo Esteban Etchemendy**, pabloee@gmail.com
- P133.-Role of Serotonergic Alterations during embryogenesis in the development of problematic behavior.** María Carolina Fabio¹, Ricardo M. Pautassi¹
Presenting author: **María Carolina Fabio**, mcf.alia@gmail.com
- P134.-Stress affects predictive learning in a contextual fear memory.** Pablo Maximiliano Fernández¹, Joaquín Matías Alfei Palloni³, Adrián Marcelo Bueno¹, Roque Ignacio Ferrer Monti¹, Víctor Alejandro Molina², Irene Delia Martijena²
Presenting author: **Pablo Maximiliano Fernández**, pablomaxi@outlook.com
- P135.-Altered gene expression in medial prefrontal cortex correlates with social cognition deficits derived from perinatal malnutrition in a mouse model.** Estefanía A. Fesser¹, Octavio Gianatiempo¹, María Fernanda Trejo Martínez², Bruno G. Berardino¹, Eduardo T. Cánepa¹
Presenting author: **Estefanía Aylén Fesser**, estefaniafesser@gmail.com
- P136.-DECONSTRUCTING THE SPATIAL PROBLEM-SOLVING OF TOWER OF LONDON: ANALYSIS OF TASK DIFFICULTY THROUGH THE PERFORMANCE OF PRESCHOOL CHILDREN.** Carolina S. Fracchia¹, Ma. Soledad Segretin¹, Sebastián J. Lipina¹
Presenting author: **Carolina Soledad Fracchia**, carolinafracchia@gmail.com
- P137.-Long term memory of a spatial learning task in the crab Neohelice granulata.** Martin Klappenbach¹, Candela Medina¹, Ramiro Freudenthal¹

Presenting author: **Ramiro Freudenthal**, ramirofreudenthal@gmail.com

P138.-Memory updating during reconsolidation relays on a behavioral tagging process. Camila Fullio¹, Matias Schroeder¹, Martín Grinspun¹, Diego Moncada¹

Presenting author: **Camila Lorena Fullio**, Camila_fullio@hotmail.com

P139.- Hippocampal Sharp-Wave Ripples and episodic memory onset along development. M.Alexandra García-Pérez^{1,2}, Martín Irani¹, Vicente Tiznado¹, José Luis Valdés², Pablo Fuentealba¹

Presenting author: **Maria Alexandra Garcia Perez**, magarcia13@uc.cl

P140.-Medial prefrontal cortex (mPFC) encoding of contextual information in a mice model of schizophrenia. Javier Gonzalez Sanabria¹, Juan Emilio Belforte¹, Camila Zold¹

Presenting author: **Javier Gonzalez Sanabria**, javiergs89@gmail.com

P141.-High-fat diet consumption for a short period sensitizes SNC to mild immune challenge and impaired contextual fear memory. Guadalupe Herrera¹, Mercedes Lasaga², Teresa Scimonelli¹

Presenting author: **Lucia Guadalupe Ximena Herrera**, guadaluci.herrera@gmail.com

P142.-IS SLEEP INVOLVED IN THE CONSOLIDATION AND INTEGRATION OF NEW WORDS? A REFRACTORY TEMPORAL LOBE EPILEPSY STUDY. Nerea Herrero¹, Candela Leon¹, Malen Moyano¹, Silvia Kochen¹, Brenda Giagante¹, Silvia Oddo¹, Patricia Solís¹, Laura Kaczer³, Cecilia Forcato¹

Presenting author: **Nerea Herrero**, nerea.herrero73@hotmail.com

P143.-Validation of Neurolinguistic protocols on a portable low-cost EEG equipment. Gustavo Ezequiel Juantorena¹, Marcos Luis Pietto², Angel Javier Tabullo³, Bruno Bianchi¹, Juan Esteban Kamienkowski¹

Presenting author: **Gustavo Ezequiel Juantorena**, gjuantorena@gmail.com

P144.-Two different memory traces are formed when honey bees associate odors with appetitive and aversive stimuli. Martín Klappenbach¹, Fernando Locatelli¹

Presenting author: **Martín Klappenbach**, martinklappenbach@hotmail.com

P145.-Updating the meaning of a word: memory reactivation boosts integration into an existing memory trace. Julieta Laurino¹, Cecilia Forcato², Maria Eugenia Pedreira¹, Laura Kaczer¹

Presenting author: **Julieta Laurino**, julilaurino@gmail.com

P146.-THE ROLE OF SLEEP IN WORD LEARNING IN A CASE REPORT OF REFRACTORY EPILEPSY. Candela León¹, Nerea Herrero¹, Malen Moyano¹, María Samman¹, Silvia Kochen¹, Brenda Giagante¹, Silvia Oddo¹, Patricia Solís¹, Laura Kaczer³, Cecilia Forcato¹

Presenting author: **Candela Sofía León**, cande.leon.93@gmail.com

P147.-Early behavioral phenotypes in a mouse model of tauopathy. Delfina Loch¹, Ana Damianich¹, Carolina Facal¹, Mariana Alonso², Elena Avale¹

Presenting author: **Delfina Loch**, delfina-loch@hotmail.com

P148.-THE ROLE OF SLEEP ON REINFORCEMENT OF CONSOLIDATED MEMORIES: PRELIMINARY RESULTS. Paula Martinez¹, Camila Jorge¹, Malen Moyano², Silvia Kochen², Ignacio Brusco², Susanne Diekelmann³, Cecilia Forcato²

Presenting author: **Paula belen Martinez**, martinez.paulabelen@hotmail.com

P149.-Executing a spatial task increases neuronal progenitor proliferation in discrete pallial regions of adult zebrafish. Laura Mazzitelli Fuentes¹, Emilia Deleglise¹, Lucas Alberto Mongiat¹

Presenting author: **Laura Soledad Mazzitelli Fuentes**, laumazzitellifuentes@gmail.com

P150.-Molecular mechanisms in the DG and CA3 regulate the balance between differentiation and generalization during retrieval in a cue-degraded context. Magdalena Miranda¹, Facundo Morici¹, Dinka Piromalli Girado¹, Carla Navas¹, Francisco Gallo¹, Noelia Weisstaub¹, Pedro Bekinschtein¹

Presenting author: **Magdalena Miranda**, miranda.magdalena.lb@gmail.com

P151.-Burn-out? Luis Pedro Morera¹, José Ignacio Gallea¹, Mario Eduardo Guido², Leonardo Adrián Medrano¹

Presenting author: **Luis Morera**, luis.p.morera@gmail.com

P152.-Postgraduate students and stress. José Ignacio Gallea¹, Eduardo Garbarino Pico², Leonardo Adrián Medrano¹, Luis Pedro Morera¹

Presenting author: **Luis Morera**, luis.p.morera@gmail.com

P153.-OSCILLATORY BRAIN ACTIVITY INDUCED BY TARGET MEMORY REACTIVATIONS DURING SLOW WAVE SLEEP: PRELIMINARY RESULTS. Malen D Moyano¹, Susanne Diekelmann³, Ignacio Brusco², Cecilia Forcato¹

Presenting author: **Malen D Moyano**, malenmoyano@gmail.com

P154.-Perinatal and adolescent protein malnutrition have different effects on cognition in adult mice. Bruno G. Berardino¹, Fabricio Ballarini², Mariela Chertoff¹, Eduardo T. Cánepa¹, Lionel Muller Igaz³

Presenting author: **Lionel Muller Igaz**, lmuller@fmed.uba.ar

P155.-Spatial and non-spatial memory performance during aging: strategies for memory enhancement. María Carla Navas¹, Dinka Marina Piromalli Girado¹, Magdalena Miranda¹, Pedro Bekinschtein¹, Noelia Weisstaub¹

Presenting author: **María Carla Navas**, mcarla.n94@gmail.com

P156.-Single neuron recordings in epileptic patients candidate to respective surgery. Alejandro Nasimbera¹, Fabián Nishida¹, Benjamin Netherwood², Mariano Rodriguez¹, Silvia Kochen¹, Rodrigo Quián Quiroga²

Presenting author: **Alejandro Nasimbera**, alejandro_nasimbera@hotmail.com

P157.-Long-term memory induced by two training trials in the crab *Neohelice granulata*. Santiago Ojea Ramos¹, Matias Andina¹, Debora Intile¹, Arturo Romano¹, Mariana Feld¹

Presenting author: **Santiago Ojea Ramos**, ojea.santiago@gmail.com

P158.-Over eight hundred cannabis strains characterized by the relationship between their subjective effects, perceptual profiles, and chemical compositions. Laura Alethia de la Fuente¹, Enzo Tagliacuzzi¹, Federico Zamberlan¹, Andrés Ferrán¹, Facundo Carrillo², Carla Pallavicini³

Presenting author: **Carla Pallavicini**, krlitax@gmail.com

P159.-A highly demanding working memory task is able to interfere the reconsolidation of a threat memory. Soledad Picco¹, Rodrigo S. Fernandez¹, Maria E. Pedreira¹

Presenting author: **Soledad Picco**, solepicco@hotmail.com

P160.-Successive retrievals drives a "sad" autobiographical memory resistant to the interfering effect of a positive inductor, possibly mediated by a reconsolidation process. Marcelo Eduardo Piñeyro¹, María Victoria Ontivero¹, María Belén Skaf³, Adrián Marcelo Bueno¹, Victor Molina², Silvia Bustos²

Presenting author: **Marcelo Eduardo Piñeyro**, pineyromarcelo@gmail.com

P161.-The worst and the best memories. Interaction between oposit valence' autobiographical memories. Marcelo Eduardo Piñeyro¹, María Belén Skaf³, María Victoria Ontiveros¹, Adrián Marcelo Bueno¹, Victor Molina², Silvia Bustos²

Presenting author: **Marcelo Eduardo Piñeyro**, pineyromarcelo@gmail.com

P162.-Behavioral alterations in an NMDA receptor knockout mouse model of schizophrenia mainly emerge after adolescence. Carlos A. Pretell Annan¹, Diego E. Pafundo¹, Juan E. Belforte¹

Presenting author: **Carlos Alfredo Pretell Annan**, carlos.a.pretell@gmail.com

P163.-Modulation of theta band power in dorsomedial striatum signals reward in a virtual reality exploration task. Maria Alejandra Prost¹, Gustavo Murer¹, Camila Zold¹

Presenting author: **María Alejandra Prost**, alejandraprost@gmail.com

164.-ANALYSIS OF HEART RATE TRAJECTORIES IN THE STUDY OF THE EMOTIONAL PROCESSING OF CHILDREN. Verónica Adriana Ramírez¹, Sebastián Lipina², Eliana Ruetti¹

Presenting author: **Verónica Adriana Ramírez**, veronica.adriana.ramirez@gmail.com

P165.-Effects of acute and chronic physical activity on Spatial Pattern Separation in humans. Daniela Ramirez Butavand¹, María Florencia Rodriguez³, María Virginia Cifuentes³, Marcos Lazo⁴, Cristian García Bauza⁴, Pedro Bekinschtein², Fabricio Ballarini¹

Presenting author: **Daniela Ramirez Butavand**, daniramirezbe@gmail.com

166.-Newborn and mature neurons contribution to memory engrams. María Sol Ramos¹, Lucía Rodriguez¹, Mora Ogando¹, Sebastian Alejo Romano¹,

Antonia Marin Burgin¹, Noel Federman¹

Presenting author: **María Sol Ramos**, m_sol_ramos@hotmail.com

P167.-Social decision-making in chronic ecstasy users. Alejandro Ramos Usaj¹, Lucas Sedeño¹, Ibañez Agustín¹, García M. Adolfo¹, Pautassi Ricardo²

Presenting author: **Alejandro Ramos Usaj**, aler.usaj@gmail.com

P168.-Mice hippocampal synaptic composition and non-histone protein acetylation. Sebastián Rivas¹, Laura Esquivel¹, Angeles Salles¹, Julia Busso¹, María Krawczyk², Verónica Baez³, Mariano Boccia², Ramiro Freudenthal¹

Presenting author: **Ricardo Sebastian Rivas**, sebasrivas.2021@gmail.com

P169.-Active avoidance learning increase proliferation of neuronal progenitors in the Dorso-medial pallium of adult zebrafish. Fernanda Ruth Román¹, Luciano Marpegan¹, María Soledad Ausas¹, Lucas Alberto Mongiat¹

Presenting author: **Fernanda Ruth Román**, fernanda.r.roman@gmail.com

P170.-Extinction learning efficiency in *Neohelice granulata* depends on the proximity to the original memory acquisition. An explanation correlated to the NMDA receptor surface expression dynamics. Anahí Rosso¹, Ramiro Freudenthal¹

Presenting author: **Anahí Rosso**, anarosso22@gmail.com

P171.-Role of 5-HT2A Receptor in Social Cognition in Mice. Agostina Sacson¹, Juan Facundo Morici¹, Pedro Bekinschtein¹, Noelia Weisstaub¹

Presenting author: **Agostina Belén Sacson**, agostina.sacson@gmail.com

172.-Norms for emotional words in Spanish: Preliminary findings from an Argentinian adaptation of the Affective Norms for English Words.

Leticia Ileana Sarli^{1,2}, Nadia Justel^{1,2}

Presenting author: **Leticia Ileana Sarli**, leti.sarli@gmail.com

P173.-Dopaminergic and Noradrenergic systems control protein synthesis during the behavioral tagging process underlying memory reconsolidation. Matías Nicolás Schroeder¹, Camila Fullio¹, Martin Grispun¹, Diego Moncada¹

Presenting author: **Matías Nicolás Schroeder**, matias.nicolas.sch@gmail.com

P174.-Effect of brain masculinization in a mouse model of autism. Araceli Seiffe¹, Amaicha M, Depino¹

Presenting author: **Araceli Seiffe**, aseiffe@gmail.com

P175.-Modulation of ultrasonic vocalizations by chemical stimuli to assess olfactory function in mouse pups. Facundo López¹, Ana P Sieben Samek¹, Lucila Brocardo¹, Carlos A Pretell Annan¹, Juan E Belforte¹, Lorena Rela¹

Presenting author: **Ana Paula Sieben Samek**, anapsieben@gmail.com

P176.-Neural mechanism involved in contextual memory: role of CA3 and CA1 remapping. Azul Silva¹, Marcos A. Coletti¹, Pedro Bekinschtein², Mariano Belluscio¹

Presenting author: **Azul Silva**, azzzulsilva@gmail.com

P177.-Long-term memory impairment is different in male and female transgenic McGill-R-Thy1-APP rats model of Alzheimer's disease. Caterina Sister¹, Martin Habif¹, Federico Filippin¹, Natalia Coletti¹, Daniela Salas¹, Magali Cercato¹, A. Claudio Cuello², Edgar Kornisiuk¹, Diana Jerusalinsky¹

Presenting author: **Caterina Laura Sister**, cate.sister@gmail.com

P178.-When does the mammalian GPS use the dentate gyrus in everyday challenges of spatial navigation? Natalia Soldi¹, Luciana Farella¹, Alejandro F. Schinder¹, Verónica C. Piatti¹

Presenting author: **Natalia Soldi**, natalia.soldi@gmail.com

P179.-DIFFERENT RESPONSES IN ANXIOGENIC-LIKE BEHAVIOR AND MOTOR COORDINATION IN CB1+/- AND CB1-/- MICE. Delia Soriano^{1,2}, Alicia Brusco^{1,2}, Laura Caltana^{1,2}

Presenting author: **Delia Soriano**, soriano.del@gmail.com

P180.-LACK OF CB1 RECEPTOR ON GABAERGIC NEURONS: EFFECTS IN A PHARMACOLOGICAL MODEL OF SCHIZOPHRENIA. Delia Soriano^{1,2}, José Aguarales^{3,4,5}, Daniel García-Rincón^{3,4,5}, Juan Paraiso-Luna^{3,4,5}, Laura Caltana^{1,2}, Alicia Brusco^{1,2}, Ismael Galve-Roperh^{3,4,5}

Presenting author: **Delia Soriano**, soriano.del@gmail.com

P181.-Influence of target trajectory on auditory peripersonal space threshold estimations for sound sources approaching or receding in discrete steps. Esteban N. Lombera¹, Nicolas D. Rodriguez Altieri¹, Ignacio Spiouzas², Pablo E. Etchemendy¹, Ramiro O. Vergara¹

Presenting author: **Ignacio Spiouzas**, ispiouzas@unq.edu.ar

P182.-A BEHAVIORAL-TAGGING PERSPECTIVE OF SPACED LEARNING: ERKs1/2 KINASES PLAY A DUAL ROLE IN LTM FORMATION DURING A SPATIAL OBJECT-RECOGNITION TASK. Ramiro Tintorelli¹, Pablo Budriesi¹, Julieta Correa¹, Pamela Lopes da Cunha¹, Haydée Viola¹

Presenting author: **Ramiro Gastón Tintorelli**, ramitintorelli@gmail.com

P183.-DECLARATIVE MEMORY ENHANCEMENT IN OLDER AND YOUNG ADULTS. Facundo Urreta Benitez¹, Leonela Tassone¹, Delfina Rochon¹, Malen Moyano¹, Patricia Solis¹, Nancy Medel¹, Silvia Kochen¹, Ignacio Brusco², Cecilia Forcato¹

Presenting author: **Facundo Antonio Urreta Benitez**, facu.urreta@gmail.com

P184.-Auditory distance perception in peripersonal space: Effect of tactile exploration on reaching measures. Mercedes X. Hüg¹, Ramiro O. Vergara², Fabián C. Tommasini¹, Pablo E. Etchemendy², Fernando Bermejo¹, Laura G. Fernandez¹

Presenting author: **Ramiro Oscar Vergara**, topovergara@gmail.com

P185.-Measuring children's executive functions in educational settings with unsupervised software. Mate Marote: a meta-analysis. Melina Vladisauskas¹, Veronica Nin³, Laouen Belloli², Hernan Delgado-Vivas³, Alejandra Carboni³, Diego Fernandez Slezak², Andrea Goldin¹

Presenting author: **Melina Vladisauskas**, melivladi17@gmail.com

P186.-Exploring the function of the Serotonin 5-HT2a receptors in the mechanism underlying Retrieval Induced Forgetting in rats. María Belén Zanoní Saad¹, Francisco Gallo¹, Noelia Weisstaub¹, Pedro Bekinschtein¹

Presenting author: **María Belén Zanoní Saad**, mbzanoni@gmail.com

Computational Neuroscience

P187.-Encoding and decoding properties of different dentate gyrus age populations. Diego M. Arribas¹, Antonia Marin Burgin¹, Luis G. Morelli¹

Presenting author: **Diego Martín Arribas**, diegoarri91@gmail.com

P188.-Prediction of patient's response to psilocybin treatment for depression using Gradient Boosting Machine Learning based on Baseline fMRI Data. Débora Copa¹, Carla Pallavicini², Silvano Zanutto³, Enzo Tagliacucchi⁴

Presenting author: **Debora Patricia Copa**, deborapcoba@gmail.com

P189.-Modular structure of multilayer temporal functional connectivity networks during loss of consciousness. Sofia Morena del Pozo¹, Pablo Balenzuela¹, Enzo Tagliacucchi¹

Presenting author: **Sofía Morena del Pozo**, sofiamorenadelpozo@gmail.com

P190.-Plug and Play spike sorting based on wavelet analysis and a genetic algorithm. Sebastian Villafaña¹, Oscar Filevich^{1,2}, Daniela Andres^{1,2}

Presenting author: **Oscar Filevich**, oscar.filevich@gmail.com

P191.-Diversity on brain dynamics: modernity may influence brain alpha oscillations and complexity. Erik Gomez¹, María Benitez¹, Veronika Diaz Abrahan¹, Maximiliano Bossio¹, Leticia Sarli¹, Tara Thiagarajan¹, Dante Chialvo¹, Nadia Justel¹

Presenting author: **Erik Ezequiel Gomez**, erikezgomez@gmail.com

P192.-Unveiling the stimulus features modulating the correlations between neurons: Application to mouse ganglion cells. Matías Lorenz¹, Eugenio Urdapilleta¹, Inés Samengo¹, Damián G. Hernández¹

Presenting author: **Damián Gabriel Hernández**, damiang.h.l@gmail.com

P193.-Non-linear dimensionality reduction techniques for spike sorting. Joaquin Seia², Jorge Adrian Sanchez³, Emilio Kropff¹

Presenting author: **Emilio Kropff**, kropff@gmail.com

P194.-Trail Making Test revisited: Patterns of visual and manual trajectories as markers of executive processes. Ignacio Linari¹, Gustavo Juantorena¹, Agustín Petroni¹, Juan Kamienkowsky¹

Presenting author: **Ignacio Linari**, ignaciolinari@gmail.com

- P195.-The effects of LSD on the organization and content of natural language assessed by computational semantic and non-semantic analyses.** Camila Sanz¹, Enzo Tagliacruz¹, Carla Pallavicini¹, Federico Zamberlan¹, Robin Carhart-Harris², David Nutt²
Presenting author: Camila Sanz, camilasanz@gmail.com
- P196.-Dynamics of GABAB signaling: influence of cholesterol and aging.** Elena Vásquez¹, Diego Masone², Estela Maris Muñoz¹
Presenting author: Elena Vásquez, elvasquez@mendoza-conicet.gov.ar
- P197.-Predicting psychiatric drug subjective response using graph convolutional neural networks.** Federico Zamberlan¹, Federico Issoglio², Carla Pallavicini¹, Enzo Tagliacruz¹
Presenting author: Federico Zamberlan, federicozamberlan@hotmail.com

Motor Systems

- P198.-Muscular activity decline in a Parkinson's disease animal model.** Ana L. Albarracín², Fernando D. Farfan², Pablo Y. Teruya¹, Alvaro G. Pizá², Facundo A. Lucianna², Jorge H. Soletta²
Presenting author: Ana Lia Albarracín, anaalbarracin@gmail.com
- P199.-Testing the effects of Yerba mate (Ilex paraguariensis) in a Drosophila model of Parkinson's disease.** Pedro Ballesterio^{1,2}, Sebastián Romano², Mariana Ferrario³, Marcela Schenk³, Oscar Gershanik⁴, Sandra Guerrero³, Juan Ferrario^{*1}, Nara Muraro^{*2}
Presenting author: Pedro Lorenzo Ballesterio, pedroballesterio88@gmail.com
- P200.-Rhythmic synchronous effects in cortical neurons songbirds.** Santiago Boari¹, Gabriel B. Mindlin¹, Ana Amador¹
Presenting author: Santiago Boari, santiagoboari@gmail.com
- P201.-Local field potential in cortical avian nucleus supports a circular model for birdsong production.** Cecilia T. Herbert¹, Santiago Boari¹, Gabriel B. Mindlin¹, Ana Amador¹
Presenting author: Cecilia Thomsett Herbert, herbertceci@gmail.com
- P202.-Sex-frailty differences in aging mice: neuropathologies and therapeutic projections.** Macarena Lorena Herrera¹, Osvaldo Martín Basmadjian¹, Leandro Gabriel Champarini¹, Eugenia Falomir Lockhart², Franco Juan-Cruz Dolcetti², Claudia Beatriz Hereñú¹, María José Bellini²
Presenting author: Macarena Lorena Herrera, macarenalhererra@hotmail.com
- P203.-Significant instances in motor gestures of different songbird species.** Javier N. Lassa Ortiz¹, Cecilia T. Herbert¹, Gabriel B. Mindlin¹, Ana Amador¹
Presenting author: Javier Nahuel Lassa Ortiz, jlassa@df.uba.ar
- P204.-Deletion of NMDA receptors in cholinergic neurons increases L-Dopa induced dyskinesia.** Agostina Stahl¹, Rodrigo Paz¹, Juan Pablo Beccaria¹, Diego Pafundo¹, Juan Belforte¹, Lorena Rela¹, Gustavo Murer¹
Presenting author: Agostina Mónica Stahl, agostinastahl@yahoo.com

Neural Circuit Physiology

- P205.-Long-lasting remodeling of inhibitory networks by hippocampal adult neurogenesis.** Ayelen I. Groisman¹, Sung M. Yang¹, Alejandro F. Schinder¹
Presenting author: Ayelen Ivana Groisman, aye.groisman@gmail.com
- P206.-Analysis of Neuron Firing Rates and Covariance during Rapid Kindling.** Lautaro Ledesma², Ezequiel Martín Tibaldi², María Belen Gori¹, Fabián Nishida¹, Fernando Chaure¹, Gerardo Battaglia³, Silvia Kochen¹
Presenting author: Lautaro Ledesma, lautaro.ledesma94@gmail.com
- P207.-EARLY ETHANOL PREEXPOSURE MODIFIES EXPRESSION OF THE 5HT2A RECEPTOR PROMOTING LONG-TERM BREATHING PLASTICITY IN NEONATE RATS.** Ana Fabiola Macchione², Florencia Anunziata¹, Milagros Sahonero³, Verónica Trujillo¹, Juan Carlos Molina¹
Presenting author: Ana Fabiola Macchione, ana.macchione@unc.edu.ar
- P208.-Neuronal correlates for the timely execution of actions in the dorsal striatum.** María Cecilia Martínez^{1,2}, Gustavo Murer¹, Mariano Belluscio¹
Presenting author: María Cecilia Martínez, ceciliamartinez256@gmail.com
- P209.-Adult born dentate granule cells evoke CA3 activity with a gain that increases along maturation.** Matias Mugnaini², Verónica C. Piatti¹, Alejandro Schinder¹, Emilio Kropff²
Presenting author: Matias Mugnaini, matiasmugnaini@gmail.com
- P210.-Lower density of perisomatic GABAergic boutons containing $\alpha 1$ subunit and Excitation/Inhibition imbalance in a mouse model of schizophrenia.** Nicolas M Fulginiti¹, Carlos A Petrell-Annán¹, Juan E Belforte¹, Diego E Pafundo¹
Presenting author: Diego Pafundo, dpafundo@gmail.com
- P211.-Exploring the influence of higher order brain regions on the piriform cortex neuronal activity.** Olivia Pedroncini¹, Noel Federman¹, María Sol Ramos¹, Antonia Marin Burgin¹
Presenting author: Olivia Pedroncini, olipedroncini@gmail.com
- P212.-Cortical spiking activity entrainment with beta oscillations is enhanced after nigrostriatal degeneration and when L-DOPA effects have worn off.** Daniela Piña Novo¹, Mariano Belluscio¹, Gustavo Murer¹
Presenting author: Daniela Piña Novo, danielanovo77@yahoo.com
- P213.-Physiological significance of the KCNQ4-mediated M-current in the pedunclopontine nucleus of the reticular activating system.** Sofía Stupnik¹, Leonardo Dionisio^{1,2}, Gabriel Tomas Perotti², Esteban Pablo Barila¹, Leandro Dye², Adrienn Kovács³, Tsogbadrakh Bayasgalan³, Balazs Pal³, Guillermo Spitzmaul¹
Presenting author: Guillermo Spitzmaul, gspitz@criba.edu.ar

Neurochemistry and Neuropharmacology

- P214.-Protective effects of imidazolium salts in C. elegans models of stress and neurodegeneration.** Natalia Andersen^{1,3}, Tania Veuthey^{1,3}, Facundo Aletto^{1,3}, Milagros Fariña^{1,3}, Gustavo Silbestri^{2,4}, Diego Rayes^{1,3}, María José De Rosa^{1,3}
Presenting author: Natalia Denise Andersen, nandersen@criba.edu.ar
- P215.-Neuroprotective effect of melatonin loaded in ethylcellulose nanoparticles applied topically in a retinal degeneration model in rabbits.** Carolina Del Valle Bessone¹, Sofía M. Martínez¹, Jose D. Luna³, Marilyn A. Márquez³, Daniel A. Allemandi¹, Ágata R. Carpentier², Daniela A. Quinteros¹
Presenting author: Carolina Del Valle Bessone, carobessone12@gmail.com
- P216.-Flavone derivatives with broad range of therapeutic effects for Alzheimer's disease.** Natalia Coletti¹, Marina Rademacher¹, Fabiola Kamecki¹, Carolina Marcucci¹, Mariel Marder¹
Presenting author: Natalia Claudia Coletti, nataliacoletti@gmail.com
- P217.-ENRICHED ENVIRONMENT INDUCES NEUROPROTECTION AGAINST VISUAL DISFUNCTIONS WITHIN EXPERIMENTAL GLAUCOMA IN RATS.** Mara Florencia Gonzalez Fleitas¹, Julian Daniel Devouassoux¹, Marcos Luis Aranda¹, Juan Salvador Calanni¹, Hernan Dieguez¹, Damian Dorfman¹, Monica Chialelli¹, Maria Ines Keller Sarmiento¹, Ruth E Rosenstein¹
Presenting author: María Florencia Gonzalez Fleitas, florf88@gmail.com
- P218.-CB1 receptor agonism potentiated stress-induced enhancement of extracellular glutamate in nucleus accumbens core after extinction of cocaine-conditioned place preference.** Andrea Susana Guzmán¹, María Paula Avalos¹, Pia Valentina Eularte¹, Marianela Sanchez¹, Daiana Rigoni¹, Julieta Boezio¹, Flavia Bollati¹, Liliana Cancela¹
Presenting author: Andrea Guzmán, andreasuguz@gmail.com
- P219.-The blockade of low affinity neurotensin receptor alters mitochondrial bioenergetics and the triade NMDA receptor, PSD-95 and nNOS proteins.** Silvia Lores Arnaiz¹, Analía G. Karadayian¹, Alicia A. Gutnisky², Jennifer L. Miranda², Georgina Rodríguez de Lores Arnaiz²

Neurochemistry and Neuropharmacology (cont)

Presenting author: **Silvia Loes Arnaiz**, slarnaiz@ffybu.uba.ar

P220.-Argentine valerians: Potential effects on CNS targets related to Alzheimer disease. Carolina Marcucci¹, Natalia Coletti¹, Fabiola Kamecki¹, Marina Rademacher¹, Hernán Gerónimo Bach³, Marcelo Luis Wagner², Rafael Alejandro Ricco², Mariel Marder¹

Presenting author: **Carolina Marcucci**, caromarcu8@hotmail.com

P221.-Early noise exposure can induce short and long term changes on reactive oxygen species (ROS) levels and catalase activity (CAT) in developing rat hippocampus that can be prevented through housing in an enriched environment during adolescence. Sonia Jazmín Molina¹, Gustavo Ezequiel Buján³, Francisco Capani², Laura Ruth Guelman¹

Presenting author: **Sonia Jazmín Molina**, sonia.molina@live.com.ar

P222.-Evidence of the role of Cyclin Dependent Kinase 5 in DAT expression and functioning. Guillermo Fernández¹, Macarena Mari¹, Antonella Montemerlo², María Dolores Rubianes², María Gabriela Paglini¹

Presenting author: **María Gabriela Paglini**, gpaglini@immf.uncor.edu

P223.-Implementation of an axotomy paradigm in Drosophila wings to study the role of FKBP2 in neurodegeneration. Ana Belén Ramos-Hryb¹, Mario Daniel Galigniana², Mario Rafael Pagani³

Presenting author: **Ana Belen Ramos Hryb**, annaramosh@gmail.com

P224.-Participation of cofilin in the sensitization between chronic stress and cocaine in nucleus accumbens core. Daiana Rigoni¹, María P. Avalos¹, Mariano Bisbal², Julieta Boezio¹, Andrea S. Guzman¹, Liliana M. Cancela¹, Flavia Bollati¹

Presenting author: **Daiana Rigoni**, daiana.rigoni.dr@gmail.com

P225.-Behavioral and pharmacological challenges unmask ketamine long-term alterations: AT1 receptors role. Anahí Rodríguez¹, Andrea Jaime¹, Victoria Belén Occhieppo¹, Natalia Andrea Marchese¹, Claudia Bregonzio¹

Presenting author: **Anahí Rodríguez**, anahirodriguez123@gmail.com

P226.-Behavioral and molecular modulation of the stressed glutamatergic synapse by fasudil, a Rho-kinase inhibitor with antidepressant potential Luciano Román-Albasini¹, Gabriela Díaz-Véliz², Felipe Antonio Olave¹, Felipe Ignacio Aguayo¹, Wladimir Antonio Corrales¹, Juan Pablo Silva¹, Jenny Lucy Fiedler¹

Presenting author: **Luciano Paolo Roman Albasini**, luciano.roman@ug.uchile.cl

P227.-Inhibition of NFKB pathway in Nucleus Accumbens core prevents stress-induced cross-sensitization to cocaine. Marianela Adela Sanchez¹, María Paula Avalos¹, Andrea Susana Guzman¹, Julieta Boezio¹, Daiana Rigoni¹, Pia Eluarte¹, Flavia Andrea Bollati¹, Liliana Marina Cancela¹

Presenting author: **Marianela Adela Sanchez**, marianela.sanchez@hotmail.com

P228.-Potential uses of new human erythropoietin (hEPO)-derivatives for the treatment of neurodegenerative diseases. María de los Milagros Bürgi¹, Gabriela Aparicio², Ricardo Kratje¹, Camila Scorticati², Marcos Oggero¹

Presenting author: **Camila Scorticati**, cscorticati@unsam.edu.ar

P229.-Sciatic nerve recovery after a chronic constriction injury model using EPA/DHA-concentrate fish oil. Emilce A. Villegas Chaves¹, Santiago R. Unda Velasco², María E. Toledo¹, Gabriela Asis³, Carlos H. Laino¹

Presenting author: **Emilce Adelaida Villegas Chaves**, emivillegasch@gmail.com

P230.-Impact of microglial depletion through colony-stimulating factor 1 receptor inhibition on demyelination and neurodegeneration in a chronic cuprizone-induced demyelination model. Victoria Sofia Berenice Wies Mancini¹, Anabella Ayelén Di Pietro¹, Soledad de Olmos³, Juana María Pasquini¹, Jorge Daniel Correal², Laura Andre Pasquini¹

Presenting author: **Victoria Sofia Berenice Wies Mancini**, victoriawies@hotmail.com

Neuroendocrinology and Neuroimmunology

P231.-CHARACTERIZATION OF GHRELIN-RESPONSIVE NEURONS OF THE LATERAL HYPOTHALAMIC AREA. Franco Barrile¹, María Paula Cornejo¹, Pablo Nicolás de Francesco¹, Mirta Reynaldo², Mario Perello¹

Presenting author: **Franco Barrile**, francobarrile@gmail.com

P232.-CHARACTERIZATION OF GHRELIN/GHSR SYSTEM ROLE IN A 60% CALORIC RESTRICTION PROTOCOL. Daniela Alejandra Cassano¹, María Paula Cornejo¹, Gimena Fernandez¹, Daniel Castrogiovanni¹, Mario Perello¹

Presenting author: **Daniela Alejandra Cassano**, danicassano@hotmail.com

P233.-Dissecting the immune response in the CNS: astrocytic response to interaction with leukocytes. Veronica Murta¹, Alberto Javier Ramos¹

Presenting author: **Veronica Murta**, vmurta.fmed@gmail.com

P234.-Neural modulation of systemic stress response requires the insulin like-peptide INS-3 in C. elegans. Tania Veuthey^{1,2}, Sebastián Giunti^{1,2}, María Jose De Rosa^{1,2}, Diego Rayes^{1,2}

Presenting author: **Diego Hernan Rayes**, drayes@criba.edu.ar

P235.-Increased pro-inflammatory response in a mouse model of neurodevelopmental disorder. María Inés Zalosnik¹, María Laura Bertoldi¹, Carolina Fabio¹, Clara Castañares¹, Germán Roth¹, Alicia Degano¹

Presenting author: **María Ines Zalosnik Figueroa**, mi.zalosnik@gmail.com

Sensory Systems

P236.-Non image forming visual system alterations induced by experimental optic neuritis: therapeutic effect of melatonin. Florencia Altschuler¹, Marcos L. Aranda¹, Omar Narvaez², Juan S. Calanni¹, María F. González Fleitas¹, Pablo H. Sande¹, Damián Dorfman¹, Luis Concha², Ruth E. Rosenstein¹

Presenting author: **Florencia Altschuler**, florenciaaltschuler@gmail.com

P237.-A novel behavioural task for rodents: olfactory discrimination in a visual context. Macarena Amigo Durán¹, Sebastián A. Romano¹, Antonia Marin-Burgin¹, Noel Federman¹

Presenting author: **Macarena Amigo Durán**, macky.amigo@gmail.com

P238.-Noise exposure triggers changes in synaptic function in mammalian hair cells. Luis Ezequiel Boero¹, María Eugenia Gómez-Casati², Mark Rutherford³, Juan Goutman¹

Presenting author: **Luis Ezequiel Boero**, le.boero@gmail.com

P239.-Postnatal stress exposure impairs visual function in adult mice. Juan Salvador Calanni¹, Damián Dorfman¹, Florencia Gonzales Fleitas¹, Hernan Hugo Dieguez¹, Ruth Estela Rosentein¹

Presenting author: **Juan Salvador Calanni**, salvadorcalanni@gmail.com

P240.-Unravelling the molecular components of the cholinergic efferent system in zebrafish lateral line. Agustín E Carpaneto Freixas¹, Marcelo J Moglie¹, Paola V Plazas^{1,2}, Ana Belén Elgoyhen^{1,2}

Presenting author: **Agustín Eduardo Carpaneto Freixas**, agustincarpaneto@gmail.com

P241.-The medial efferent system during development of the auditory pathway. Valeria Castagna¹, Luis Boero¹, Belén Elgoyhen², María Eugenia Gomez Casati¹

Presenting author: **Valeria Carolina Castagna**, valeriacarolinacastagna@gmail.com

P242.-MELATONIN AS A THERAPEUTIC STRATEGY AGAINST THE ALTERATIONS IN THE NON-IMAGE FORMING VISUAL SYSTEM INDUCED BY EXPERIMENTAL GLAUCOMA. Julián Daniel Devouassoux¹, María Florencia González Fleitas¹, Florencia Altschuler¹, Agustina Iaquinandí¹, Pablo Horacio Sande¹, Ruth Estela Rosenstein¹

Presenting author: **Julián Daniel Devouassoux**, jddevouassoux@gmail.com

P243.-MELATONIN PROTECTS THE RETINAL PIGMENTARY EPITHELIUM AND PHOTORECEPTOR DAMAGE WITHIN EXPERIMENTAL NON-EXUDATIVE AGE-RELATED MACULAR DENERGATION. Hernán Dieguez¹, Horacio E. Romeo², Agustina Alaimo³, María Florencia Gonzalez Fleitas¹, Ruth E. Rosenstein¹, Damian Dorfman¹

Presenting author: **Hernán Dieguez**, her.die.14@gmail.com

- P244.-Configural or elemental representation of complex odor stimuli in the olfactory system of *Drosophila melanogaster*.** Lautaro Alejandro Duarte¹, Fernando Federico Locatelli¹, Nicolás Pérez¹
Presenting author: Lautaro Alejandro Duarte, duartelautaro5@gmail.com
- P245.-Measuring vision using innate behaviors in rats with intact or impaired visual functions.** Agustina Iaquinandi Murtagh¹, Juan Salvador Calanni¹, Florencia Altschuler¹, Ruth Estela Rosenstein¹, Marcos Luis Aranda¹
Presenting author: Agustina Iaquinandi Murtagh, agus_iaquinandi@hotmail.com
- P246.-Perceptual quality and internal representation of odors mixtures is tuned by experience.** Agustin Lara¹, Emiliano Marachlian², Fernando Locatelli¹
Presenting author: Agustin Lara, agustin.e.lara@hotmail.com
- P247.-Sensory preconditioning and perceptual learning in honey bees *Apis mellifera*.** María Paula Ospital¹, Fernando Locatelli¹
Presenting author: María Paula Ospital, ospitalpaula@gmail.com
- P248.-Resveratrol prevents oxaliplatin-induced neuronal injury and allodynia through anti-oxidant and anti-inflammatory mechanisms.** Mariana Daniela Recalde¹, Susana Laura González², María Florencia Coronei³
Presenting author: Mariana Daniela Recalde, marianarecalde@hotmail.es
- P249.-Coding of Behavioral Context in the Olfactory Cortex.** Sebastián A. Romano¹, Noel Federman¹, Macarena Amigo Duran¹, Antonia Marin Burgin¹
Presenting author: Sebastián Alejo Romano, sebastian.romano@gmail.com
- P250.-A two-step detection system for defensive responses in arthropods.** Lucca Salomon¹, Lucas Longo¹, Gabriela Hermitte¹, Mercedes Bengochea¹, Martín Berón de Astrada¹, Verónica Pérez Schuster¹
Presenting author: Lucca Salomon, luccasalomon@gmail.com

Synaptic Transmission and Excitability

- P251.-GABA modulation of olivocochlear efferent neurotransmission.** Tais Castagnola¹, Ana Belén Elgoyhen¹, Juan Diego Goutman¹, Carolina Wedemeyer¹
Presenting author: Tais Castagnola, chiscastagnola@gmail.com
- P252.-Intracellular modulation of $\alpha 7$ ionotropic and metabotropic functions by tyrosine phosphorylation.** Juan Facundo Chrestia¹, Ariana Bruzzone², María del Carmen Esandi¹, Cecilia Beatriz Bouzat¹
Presenting author: Juan Facundo Chrestia, facu_5590@hotmail.com
- P253.-Histamine-enhanced ASIC mediated currents contribute to anterior cingulate cortex long-term potentiation.** María Natalia Gobetto¹, Carlota González Inchauspe¹, Catalina Salinas¹, Carina Weissman¹, Osvaldo Daniel Uchitel¹
Presenting author: María Natalia Gobetto, natygobetto@gmail.com
- P254.-Evaluation of synaptic Ca^{2+} signals of opposite sign in cochlear outer hair cells.** Marcelo J. Moglie¹, Ana Belén Elgoyhen¹, Juan D. Goutman¹
Presenting author: Marcelo Javier Moglie, mjmoglie@gmail.com
- P255.-Activity dependent excitatory/inhibitory imbalance in the medial prefrontal cortex pyramidal neuron inputs in a parvalbumin positive neuron dysfunction mouse model.** Diego E Pafundo¹, Carlos A Pretell Annan¹, Juan E Belforte¹
Presenting author: Diego Pafundo, dpafundo@gmail.com
- P256.-Functional plasticity of cortico-striatal neurons of the Anterior Cingulate Cortex during the transition to chronic pain.** María Jesús Trujillo¹, Constanza Ilarraz¹, Fernando Kasanetz¹
Presenting author: María Jesús Trujillo, jesutruji@gmail.com