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Suplemento Especial Congreso

PRIMER CONGRESO EN CONJUNTO

XXXVII CONGRESO ANUAL DE LA SOCIEDAD DE FARMACOLOGÍA DE CHILE

XXX REUNION ANUAL DE LA SOCIEDAD CHILENA DE CIENCIAS FISIOLÓGICAS

XI REUNION ANUAL DE LA SOCIEDAD CHILENA DE NEUROCIENCIA

Hotel Enjoy de Coquimbo, 22 al 25 de septiembre de 2015

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Congreso Conjunto
Coquimbo, Chile 2015

22 AL 25 DE SEPTIEMBRE 2015
Coquimbo, IV Región, Chile.
Hotel Enjoy Coquimbo

Dear colleagues and students,

We like to welcome you to the first joint conference of the Chilean Societies for Pharmacology, Physiological Sciences and Neuroscience held in this beautiful region of our country. In putting together this meeting we have taken advantage of our widely common interests, with a certain emphasis in drug addiction. We have chosen this place not only for its mystic beauty, but also to reinforce our commitment as scientists to transmit our endeavor to regions. As part of this pledge, several reach out activities will be conducted with young high school students on the main issue of addiction. This problem will also be discussed from various perspectives in a round table with the participation of relevant non-scientific community members.

We have made every effort to put together an ambitious program covering a variety of topics, with the hope that each one of you will find interesting aspects and will go back home with the feeling of having learned new things, as well as having had a great time. The meeting comprises the participation of very prominent invited foreign and local speakers, who will present us their current work in conferences and symposia. We want to underscore the Young Neuroscientist Symposium sponsored by the Chilean Society for Neuroscience, in which the speakers are advanced graduate students and postdoctoral fellows. We also have included two sessions of short oral presentations, and an special incorporation session with participants applying to become members of the Chilean Society for Pharmacology. There are also two poster presentations, which hold most of the works to be presented at this Joint Meeting and where the participation of students is particularly relevant.

We are very satisfied by the number of people that are attending the meeting. Special attention was paid to the students, as our Societies are providing an important number of fellowships to allow them to take part of this meeting, adding to fellowships generously sponsored by the Comisión Nacional de Ciencia y Tecnología, CONICYT. Gladly, these efforts resulted inthat nearly half the attendees are students.

The meeting represents a major financial endeavor for our societies, which would not be possible without the participation of several commercial companies sponsoring it. We like to thank Arquimed, Galénica, Lab-Tec, Loncotec, Sigma, Grupo Bios and Valquim and we encourage you to visit the stands where they show their products, and to attend a couple of technical talks the first day of the Meeting.

We anticipate counting with your presence in as many activities as you can, hoping this meeting will offer an opportunity for intense and fruitful interactions between established and young scientists and students. You are cordially invited to partake in the get together reception on Tuesday evening, and to have fun in the closing Dinner and Dancing on Friday. Use your leisure time on Thursday afternoon to visit the many interesting and unique places of this region of Coquimbo, Elqui Valley and nearby city of La Serena.

Have a good time!

Ramón Sotomayor
Sociedad de
Farmacología de Chile

Mauricio Boric
Sociedad Chilena de
Ciencias Fisiológicas

Juan Bacigalupo
Sociedad Chilena de
Neurociencia

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22 AL 25 DE SEPTIEMBRE 2015
Coquimbo, IV Región, Chile.
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Tuesday, September 22

9:00-12:00 OUTREACH TO COMMUNITY

12:00-15:30 REGISTRATION

15:30-16:00 OPENING REMARKS

16:00-17:00 OPENING LECTURE
Salón: Bahía 1 y 2

STIMULATING NEURONS WITH LIGHT AND GOLD

Bezanilla, Francisco[1]., Treger, Jeremy[2].,Carvalho-de-Souza, Joao[2].,Dang, Bobo[3].,Kent, Stephen[2]., Pepperberg, David[4].,[1]Biochemistry and Molecular Biology, professor, University of Chicago. [2]Biochemistry and Molecular Biology University of Chicago. [3]Chemistry University of Chicago. [4]Ophtalmology and Visual Sciences University of Illinois at Chicago.

17:30-19:30 SYMPOSIUM: **Physiology and pathophysiology of the renin-angiotensin-aldosterone system in the kidney: from cells and animal models to human disease.**
Chair: Alexis González.
Salón: Bahía 1

17:30-18:00 **Regulation of Renin in the Renal Collecting Duct Cells**
Gonzalez, Alexis A[1]., [1]Instituto de Quimica, Facultad de Ciencias, Pontificia Universidad Católica De Valparaíso.

18:00-18:30 **ROLE OF 11B-HYDROXYSTEROID DEHYDROGENASE-2 IN ENDOCRINE ARTERIAL HYPERTENSION**
Carvajal, Cristian[1]., [1]Endocrinology, Medicine, Pontificia Universidad Católica De Chile.

18:30-19:00 **ROLE OF THE IMMUNE SYSTEM IN ANGIOTENSIN AND ALDOSTERONE DEPENDENT HYPERTENSION**

Michea, L[1]., [1]ICBM, Programa de Fisiología y Biofísica, IMII, Facultad de Medicina, Universidad De Chile.

19:00-19:30 **ROLE OF THE PRORENIN RECEP TOR IN THE MODULATION OF THE INTRATUBULAR RAS**

PRIETO, M[1]., Gonzalez, AA[2]., [1]Physiology, Medicine, Tulane University. [2]Instituto de Quimica, Facultad de Ciencias, Pontificia Universidad Católica De Valparaíso.

17:30-19:30 SYMPOSIUM: **New molecular targets for the treatment of alcoholism.**
Chair: Mario Rivera
Salón: Bahía 2

17:30-18:00 **NEW ROLES FOR MU-OPIOID RECEPTORS IN THE PHARMACOLOGICAL EFFECTS OF ETHANOL**

Rivera-Meza, Mario[1,2]., Urra, Jonathan[1].,Berríos/Cárcamo, Pablo[1]., Herrera-Marschitz, Mario[1,2]., Quintanilla, María Elena[1].,[1]Programa de Farmacología Molecular y Clínica, Facultad de Medicina, Universidad De Chile.[2]Millenium Scientific Initiative Biomedical Neuroscience Institute.

18:00-18:30 **PERINATAL LEAD EXPOSURE AND INCREASED ETHANOL INTAKE: THE ACETALDEHYDE CONNECTION**

Virgolini, M[1]., [1]Farmacología, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba.

18:30-19:00 **IS SALSOLINOL THE FINAL EFFECTOR OF ETHANOL REIN-FORCEMENT?**

Berríos-Cárcamo, Pablo[2,1]., Rivera-Meza, Mario[2,1].,Quiroz, Gabriel[3].,Zapata-Torres, Gerald[4].,Iturriaga-Vásquez, Patricio[3]., Reyes-Parada, Miguel [5].,Herrera-Marschitz, Mario[2,1].,Israel, Yedy[2].,Quintanilla, Maria Elena[2].,[1]Institute of Biomedical

Sciences, Millenium Institute BNI, Faculty of Medicine, University of Chile. [2]Molecular and Clinical Pharmacology Program, Faculty of Medicine, University of Chile. [3]Departamento de Ciencias Químicas y Recursos Naturales, Facultad de Ingeniería y Ciencias, Universidad de la Frontera, Temuco, Chile. [4]Molecular Graphics Suite, Department of Inorganic and Analytical Chemistry, Faculty of Chemical and Pharmaceutical Sciences, University of Chile.[5]Escuela de Medicina, Facultad de Ciencias Médicas, Universidad de Santiago de Chile, Santiago, Chile.

19:00-19:30 ROUND TABLE **ALCOHOL Y CEREBRO ADOLESCENTE, UNA MIRADA BIO-PSICO-SOCIAL"** FINANCIA: Chilean Chapter of the Society for Neuroscience USA
Coordina: María Estela Andrés

Katia Gysling, Facultad de Ciencias Biológicas, P. Universidad Católica de Chile
Paulo Egenau ,Director Ejecutivo de la Fundación Paréntesis.
Carlos Ibáñez , Psiquiátra de la Unidad de Adicciones, Clínica Psiquiátrica Universitaria, Universidad de Chile.

19:30-20:00 WELCOME COCKTAIL

Wednesday, September 23.

9:00-11:00 SYMPOSIUM: **Pharmacological modulation of neuronal and muscular nicotinic receptor: Impact on synaptic function.**
Chair: Jorge Fuentealba.
Salón: Bahía 2

9:00-9:30 **Cholinergic regulation of neuroinflammation and neuroprotection: implication of the signaling pathway α7nAChR/Nrf2/HO-1**

Lopez, Manuela[1]., Parada, Esther[1]., Navarro, Elisa[1]., Buendia, Izaskun[1]., Egea, Javier[1]., [1]Instituto Teofilo Hernando-Department of Pharmacology, Medicine, Universidad Autonoma de Madrid.

9:30-10:00 **MODULATORS OF ACETYLCHO LINE RECEPTOR CLUSTERING IN THE MATURATION OF THE NEUROMUSCULAR JUNCTION: A PHARMACOLOGICAL APPROACH.**

Mella, Jessica[1]., **Henriquez, Juan Pablo[1]**., [1]Cell Biology, Biological Sciences, Universidad de Concepción.

10:00-10:30 **EFFECTS OF NICOTINIC MODULATORS ON THE NEUROTRANSMITTER RELEASE, IMPACT ON SYNAPTIC FUNCTION**

Gandia, L[1]., Nanclares, Carmen[1]., Colmena, Ines[1]., [1]Departamento de Farmacologia y Terapeutica, Universidad Autónoma de Madrid.

10:30-11:00 **EFFECTS OF NEW ALKALOIDS FROM NATURAL SOURCES THAT MODULATE THE NICOTINIC RECEPTOR IN NEURONAL AD MODELS**.

Fuentealba, J[1]., Araya, Juan[1]., Silva-Grecchi, Tiare[1]., [1]Fisiologia, Ciencias Biologicas, Universidad De Concepción.

9:00-11:00 SYMPOSIUM: **Multidisciplinary approaches in the study of the brain: from genes to clinics.**
Chairs: Jimena Sierralta-Pedro Maldonado
Salón: Salón Bahía 2

9:00-9:30 **THE ENDOPLASMIC RETICULUM AND PROTEIN TRAFFICKING IN AXONS**

Couve, Andrés[1,2]., [1]Program of Physiology and Biophysics, Institute of Biomedical
Sciences (ICBM), Universidad de Chile. [2]Biomedical Neuroscience Institute (BNI) Universidad de Chile.

9:30-10:00 **CHEMOKINE SIGNALING PAVES THE WAY FOR THE INITIAL TRAJECTORY OF HABENULAR AXONS.**

Guerrero, Nestor[2,1]., Meynard, Margarita[2,1]., Armijo, Lorena[2,1]., Rojas-Rivera, Diego[2,1]., Palma, Karina[2,1]., Colombo, Alicia[2]., Reig, German[2,1]., Hetz Claudio[2,1]., **Concha, Miguel[2,1]**., [1]BNI Biomedical Neuroscience Institute. [2]ICBM, Facultad de Medicina, Universidad de Chile.

10:00-10:30 **STUDY OF THE LOCALIZATION, TRAFFIC AND FUNCTION OF SYNAPTIC PROTEINS USING *DROSOPHILA* NEUROMUSCULAR JUNCTION AS MODEL SYSTEM.**

Sierralta, Jimena[1]., Astorga, César[1]., De Gregorio, Cristian[1].,Delgado, Ricardo[1]., Andrés, Couve[1]., [1]Biomedical Neuroscience Institute, Facultad de Medicina , Universidad De Chile.

10:30-11:00 **EYE MOVEMENT DURING FREE VIEWING OF NATURAL IMAGES AS MARKERS OF SCHIZOPHRENIA.**

Maldonado, Pedro[1]., Mayol, Rocio[2]., Egaña, Jose[2]., Gaspar, Pablo[3]., Silva, Hernan[3]., [1]PDFB, BNI , Facultad de Medicina , Universidad De Chile. [2]Biomedical Neuroscience Institute, Medicina, Universidad De Chile. [3]Clinica Psiquiatrica, Medicina, Universidad De Chile.

11:00-11:30 COFFEE BREAK
Salón: Salón Bahía 3

11:30-12:30 PLENARY LECTURE
Salón: Salón Bahía 1 y 2

PHARMACOLOGY: TOOLS TO UNDERSTAND SPERM PHYSIOLOGY

Treviño, Claudia[1]., Torres, Paulina[1]., Sánchez-Carranza, Oscar[1]., Darszon, Alberto[1]., López-González, Ignacio[1]., [1]Genética del Desarrollo y Fisiología Molecular Universidad Nacional Autónoma de México.

12:30-14:30 LUNCH

14:30-16:30 SYMPOSIUM : **Young Neuroscientists Symposium**.
Chair: Adrián Palacios.
Salón: Salón Bahía 1

14:30-15:00 **DURING PERIPHERAL NERVE REGENERATION**
Maria Laura Ceci, Developmental Biology Laboratory, Facultad de Ciencias , Fondap Center for GenomeRregulation, Universidad de Chile. Innervation Target Specificity And Cell-Cell Interactions

15:00-15:30 **VOLTAGE GATING BY DIFFERENT AUXILIARY B SUBUNITS**
Karen Castillo, Centro Interdisciplinario de Neuriociencia, Ciencias, Universidad De Valparaíso. Programa de Doctorado en Neurociencia Universidad de Valparaíso. Modulation of BK Channel

15:30-16:00 **RYANODINE RECEPTOR AND ATLASTIN-2 SHAPE CALCIUM SIGNALS IN SINGLE RAT HIPPO-CAMPAL NEURON DENDRITES**
John Cordova, Biomedical Neuroscience Institute, Faculty of Medicine, University of Chile.

16:00- 16:30 **SWEET EXPERIMENTS: WHAT SUCROSE HAS TAUGHT US ABOUT POTASSIUM CHANNELS**
Ignacio Díaz, Interdisciplinario de Neurociencias, Facultad de Ciencias, Universidad de Valparaíso.

17:00-19:00 COFFEE AND POSTER SESSION I
SALON BAHIA 3

Paneles Día Miércoles 23 de Septiembre de 2015

Coordinadores: Paola Haeger
Edgar Pastene
Alexis González

1) **Role of PKC in amphetamine- and cocaine-induced increase in dopamine and glutamate extracellular levels in rat ventral tegmental area**
Abarca, Jorge[1]., Sotomayor-Zarate, Ramón[2]., Gysling, Katia[1]., [1]Departamento de Biología Celular y Molecular , Facultad de Ciencias Biológicas , Pontificia Universidad Católica De Chile. [2]Instituto de Fisiología, Facultad de Ciencias, Universidad de Valparaíso. (Sponsored by Funded By FONDECYT Grant N° 1150244)

2) **Potential neuroprotective effects of a series of indole derivatives in a model of Alzheimer´s Disease**
Perez, Nelson[1]., Peters, Christian[2]., Bascuñan, Denisse[2]., Aguayo, Luis[2]., Pessoa-Mahana, Hernan[1]., [1]Quimica Organica y Fisicoquimica, CQF, Universidad De Chile.[2]Physiology, Biological Sciences, Universidad De Concepción. (Sponsored by This Research Was Funded By Fondecyt 1140473 And 1130347)

3) **Effects of amphetamine sensitization on the extra-hypothalamic vasopressinergic system of adult rats**
Ahumada, Catalina[1]., Bahamondes, Carolina[1]., Silva, Roxana[1]., Cruz, Gonzalo[1]., Sotomayor-Zárate, Ramón[1]., Renard, Georgina[1]., [1]Centro de Neurobiología y Plasticidad Cerebral - Instituto de Fisiología, Facultad de Ciencias, Universidad de Valparaíso. (Sponsored by FONDECYT N° 11140065 To GMR And Committee For Aid And Education In Neurochemistry (CAEN), ISN)

4) **Neonatal programming with Estradiol Valerate a vulnerability factor for Alcohol intake in adolescent female rats**
Venegas, Francisca[1]., Sanguinetti, Nicole[1]., Cruz, Gonzalo[1]., Acevedo, María[2]., Sotomayor-Zárate, Ramón [1]., [1]Institute of Physiology, Faculty of Sciences, Universidad De Valparaíso. [2]Laboratorio de Alcohol, Ontogenia y Aprendizaje Instituto de Investigación Médica Mercedes y Martín Ferreyra (INIMEC - CONICET). (Sponsored by This Work Was Funded By FONDECYT Grant N° 111-21205 For RS-Z)

5) **ACTIVATION OF THE TRANSIENT RECEPTOR POTENTIAL VANILLOID TYPE 1 (TRPV1) REDUCES THE INFLUENCE OF ANXIETY IN VISUOSPATIAL LEARNING OF MICE.**

Castillo, Amparo[1,2]., BURGOS, Héctor[3,4]., Cofré, Christian[5]., Hernández, Alejandro[6]., Morgan, Carlos[7]., Sáez-Briones, Patricio[8]., Burgos-Villaseca, Jorge[9,8]., Klagges, Jorge[10]., Morales, Bernardo[11]., Madrid, Rodolfo[11]., Zeise, Marc[12].,[1]Escuela de Psicología, Ciencias Sociales, Universidad Santo Tomás. [2]Programa de Postgrado, Doctorado en Psicología, Facultad de Ciencias Sociales, Universidad De Chile. [3]PSICOLOGIA, FACULTAD DE HUMANIDADES, Universidad De Santiago De Chile. [4]Escuela de Psicología, Ciencias Sociales, Universidad Central de Chile. [5]Escuela de Psicología, Laboratorio de Biopsicología, Facultad de Humanidades, Universidad De Santiago De Chile. [6]Laboratorio de Neurobiología, Facultad de Química y Biología, Universidad De Santiago De Chile. [7]Unidad de Nutrición Humana,, INTA, Universidad De Chile. [8]Laboratorio de Neurofarmacología y Comportamiento, , Facultad de Ciencias Médicas, Universidad De Santiago De Chile. [9]Departamento de Biología, Facultad de Ciencias Básicas, Universidad Metropolitana De Ciencias De La Educación. [10]Laboratorio de Neurofarmacología y Comportamiento, Facultad de Ciencias Médicas, Universidad De Santiago De Chile. [11]Laboratorio de Neurociencias, Facultad de Química y Biología, Universidad De Santiago De Chile. [12]Laboratorio de Biopsicología, Escuela de Psicología, Facultad de Humanidades, Universidad De Santiago De Chile.
(Sponsored by ACT-1113)

6) **THE TRPV1 ANTAGONIST CAPSAZEPINE INHIBITS LONG-TERM POTENTIATION IN THE RAT PREFRONTAL CORTEX.**

Hernández, Alejandro[1]., BURGOS, Héctor[2,3]., Cofré, Christian[2]., **Castillo, Amparo[4,5]**., Sáez-Briones, Patricio[6]., Burgos-Villaseca, J[7].,Klagger, Jorge[7]., Morales, Bernardo[8]., Madrid, Rodolfo[8]., Morgan, Carlos[9]., Zeise, Marc[2]., [1]Laboratorio de Neurobiología, Facultad de Química y Biología, Universidad De Santiago De Chile. [2]LABORATORIO DE BIOPSICOLOGÍA, ESCUELA DE PSICOLOGIA, FACULTAD DE HUMANIDADES, Universidad De Santiago De Chile. [3]Escuela de Psicología, Facultad de Ciencias Sociales, Universidad Central De Chile. [4]Escuela de Psicología, Facultad de Ciencias Sociales, Universidad Santo Tomás. [5]Programa de Postgrado, Doctorado en Psicología, Facultad de Ciencias Sociales, Universidad De Chile. [6]Laboratorio de Neurofarmacología y Comportamiento,, Facultad de Ciencias Médicas, Universidad De Santiago De Chile.

[7]Departamento de Biología, Facultad de Ciencias Básicas, Universidad Metropolitana De Ciencias De La Educación. [8]Laboratorio de Neurociencias, Facultad de Química y Biología, Universidad De Santiago De Chile.[9]Unidad de Nutrición, INTA, Universidad De Chile. (Sponsored by ACT-1113)

7) **A series of brominated derivatives of the superpotent 5-HT$_2$ agonist 25B-NBOMe elicit anxiolytic-like responses in male Sprague-Dawley rats**

Burgos-Villaseca, Jorge[1,2]., Klagges-Troncoso, Jorge[1,3]., Benavente-Schonhaut, Sofia[1,3]., Malhue-Olmos, Valeska[1,3]., Hernández, Alejandro[4]., Burgos, Héctor[5]., Cassels, Bruce[6]., Sáez-Briones, Patricio[1,3]., [1]Laboratory of Neuropharmacology and Behavior, Faculty of Medical Sciences, Universidad De Santiago De Chile. [2]Department of Biology, Faculty of Basic Sciences, Universidad Metropolitana De Ciencias De La Educación. [3]School of Medicine, Faculty of Medical Sciences, Universidad De Santiago De Chile. [4]Laboratory of Neurobiology, Faculty of Chemistry and Biology, Universidad De Santiago De Chile. [5]School of Psychology, Faculty of Social Sciences, Universidad Central De Chile. [6]Department of Chemistry, Faculty of Sciences, Universidad De Chile. (Sponsored by FONDECYT Grant 1150868, DICYT-USACH Grant 021401SB)

8) **Methylphenidate amplifies LTP by activation of β-adrenergic and D1/D5 receptors and increasing the AMPA currents of pyramidal cells.**

Contreras, D[1]., Carvallo, Claudia[1]., Farias, Ricardo[1]., Ugarte, Gonzalo[1]., Zeise, Marc[2]., Delgado, Ricardo[1]., Rozas, Carlos[1].,Morales, Bernardo[1]., [1]Biologia, Quimica y Biologia, Universidad De Santiago De Chile. [2]Psicología, Escuela de Psicología, Universidad De Santiago De Chile. (Sponsored by FONDECYT 1120580, FONDECY 11140430 And CONICYT, ACT1113. CONICYT Fellowship To C.C./D.C)

9) **Fasudil prevents depressive-like behavior and hippocampal dendritic spine loss promoted by stress in rats.**

García-Rojo, Gonzalo[1]., Vilches, Natalia[1]., Fiedler, Jenny[1]., [1]Laboratorio de Neuroplasticidad y Neurogenética, Facultad de Ciencias Químicas y Farmacéuticas, Universidad de Chile. (Sponsored by CONICYT 21120711)

10) **Molecular modeling approaches to investigate corticotropin releasing factor receptor system structure-activity relationships**

Lagos, Carlos[1]., Gutiérrez-Maldonado, Sebastián[2]., Slater, Paula[3]., **Gysling, Katia[3]**., [1]Department of Endocrinology, School of Medicine, Pontificia Universidad Católica De Chile. [2]Computational Biology Lab (DLab) Fundación Ciencia y Vida. [3]Department of Cellular and Molecular Biology, Faculty of Biological Sciences, Pontificia Universidad Católica De Chile. (Sponsored by Supported By FONDECYT Grants 1110392 & 1150244, Programa De Financiamiento Basal PFB16 Grants, CONICYT PhD Thesis Research Grants To PGS And SEGM. Project NLHPC ECM-02 Supercomputing Infrastructure: Powered@NLHPC.)

11) **Overexpression of LOXIN protects endothelial progenitor cells from apoptosis induced by oxidized low density lipoprotein.**

Carlos, Veas[4]., Willis, Naomi[1]., Gutierrez, Nicolas[2]., Radojkovic, Claudia[4]., Zuñiga, Felipe[4]., Toledo, Jorge Roberto[2]., Escudero, Carlos[3,5]., **Aguayo, Claudio [4,5]**., [1]Human Nutrition Research Centre, Institute of Cellular Medicine, Newcastle University.[2]Departamento de Fisiopatología, Facultad de Ciencias Biológicas, Universidad De Concepción.[3]Departamento de Ciencias Básicas, Facultad de Ciencias, Universidad del Bio-Bio. [4]Departamento Bioquímica Clínica e Inmunología, Facultad de Farmacia, Universidad De Concepción. [5]Group of Research and Innovation in Vascular Health (GRIVAS Health). (Sponsored by This Study Was Supported By INNOVA CORFO Chile (12IDL2-13351) And INNOVA BIOBIO, Chile (1245-EM.TES (12.21)), Dirección De Investigación, Universidad De Concepción (DIUC 211.072.034-1.0), Chile And Convenio De Desempeño, Universidad De Concepción, UCO1201)

12) **Circulating endothelial cells from patients with sepsis are source of activated fibroblasts**

Becerra, Alvaro[1]., Tapia, Pablo[2]., Gonzalez, Alvaro[1]., Simon, Felipe[1,3]., [1]Ciencia Biológicas, Ciencias Biológicas, Universidad Andrés Bello. [2]Medicina Intensiva, Medicina, Pontificia Universidad Católica De Chile. [3]IMII Millennium Institute on Immunology and Immunotherapy. (Sponsored by Fondecyt 1121078 And MII P09-016-F)

13) ***IN VIVO* Evaluation of atrial natriuretic peptide ANP: cardiovascular measurements in chronically hypoxic neonates in the *Alto Andino*.**

Beñaldo, Felipe[1]., Guzmán, Constanza[1]., Araneda, Felipe[1]., Araya, Claudio[1]., Poblete, Daniel[1]., Moraga, Fernando[2]., Herrera, Emilio[1]., Reyes, Víctor[1]., Ebensperger, Germán[1]., Llanos, Aníbal[1]., [1]Fisiopatología, Medicina , Universidad De Chile. [2]Ciencias Biomédicas, Medicina, Universidad Católica Del Norte. (Sponsored by Acknowledgments: Supported By FONDECYT 1140647, 1120605, 1130424 & 1151119.)

14) **Cinaciguat (BAY-582667): A potential treatment for pulmonary hypertension in chronically hypoxic neonates.**

Beñaldo, Felipe[1]., Araneda, Felipe[1]., Guzmán, Constanza[1]., Araya, Claudio[1]., Castillo-Galán, Sebastián[1]., Chen, Zhuoming[1]., Moraga, Fernando[2]., Herrera, Emilio[1]., Reyes, Víctor[1]., Ebensperger, Germán[1]., Llanos, Aníbal[1]., [1]Fisiopatología, Medicina, Universidad De Chile. [2]Ciencias Biomédicas, Medicina, Universidad Católica Del Norte. (Sponsored by Acknowledgments: Supported By FONDECYT 1140647, 1120605, 1130424 & 1151119.)

15) **NLRP3 inflammasome in cardiac fibroblast**

Boza, P[1]., Tapia, Felipe[1]., Vivar, Raul[1]., Humeres, Claudio[1]., Díaz, Guillermo[1]., [1]Departamento de Farmacología y Toxicología, Ciencias Químicas y Farmacéuticas, Universidad De Chile. (Sponsored by Project Fondecyt 1130300 Scholarship. CONICYT Beca Doctorado Nacional 21120407. Grant CONICYT Gastos Operacionales 21120407)

16) **Key role of connexin hemichannels and pannexin channels in the PAF-induced Ca^{2+} signaling in endothelial cells of post-capillary venules.**

Burboa, Pia[1]., Poblete, Ines[1]., Figueroa, Xavier[1]., [1]Phisiology, Ciencias Biológicas, Pontificia Universidad Católica De Chile. (Sponsored by FONDECYT 1150530)

17) **Pulmonary artery remodeling and mitogens are reduced in 2-aminoethyldiphenylborinate treated lambs**

Castillo-Galán, Sebastián[1]., Quezada, Sebastián[1]., Beñaldo, Felipe[1]., Ebensperger, Renato[1]., Ebensperger, Germán[1]., Herrera, Emilio[1,2]., Llanos,

Anibal[1,2]., Reyes, Roberto[1]., [1]Programa de Fisiología y Fisiopatología del Desarrollo, Facultad de Medicina Oriente, ICBM, Universidad de Chile, Universidad De Chile. [2]International Center for Andean Studies (INCAS) Universidad De Chile. (Sponsored by Supported By FONDECYT 1120605, 1151119, 1140647, 1130424)

18) **Increased potassium in the diet intensifies ATP release from rat mesenteric endothelial cells elicited by mechanical stimulation.**
Donoso, M. Veronica[1]., Huidobro-Toro, Juan [1].,[1]Departamento de Biología, Facultad de Química y Biología, Universidad de Santiago de Chile. (Sponsored by Funded By FONDECYT Grant 1141132)

19) **Differential regulation of NO pathway in pulmonary circulation of neonatal sheep from low and high altitudes.**
Ferrada, Javiera[8]., Ebensperger , Renato[8]., Cerda, Tania[1]., Catriman , Danixsa[2]., Araya , Claudio[3]., Beñaldo, Felipe[3]., Díaz , Marcela[4]., Moraga, Fernando[5]., Castillo, Sebastian[8]., Herrera, Emilio[8,6]., Reyes, Víctor[7]., Llanos, Aníbal[8,6]., **Ebensperger, G[8]**., [1]Programa Fisioipatologia, Campus Oriente, ICBM, Facultad de Medicina, Universidad de Chile. [2]Programa de Fisiopatologia, Campus Oriente, ICBM, Facultad de Mdicina, Universidad de Chile. [3]Programa de Fisiopatologia, Campus Oriente, ICBM, Facultad de Medicina, Universidad de Chile. [4]Departamento de Promoción de la Salud de la Mujer y el Recién Nacido, Facultad de Medicna, Universidad de Chile. [5]Ciencias Biomedicas, Facultad de Medicina, Universidad Católica Del Norte. [6]INCAS Universidad de Chile. [7]Programa Fisiopatologia, Campus Oriente, ICBM, Facultad de Medicna, Universidad de Chile. [8]Programa Fisiopatologia, Campus Oriente, ICBM, Facultad de Medicina, Universidad de Chile.

20) **Effect of aging on calcium transients in rat cardiomyocytes: impact of NOX inhibition**
Gonzalez, Daniel[1]., Barrios, Guillermo[1]., [1]Departamento Ciencias Biomedicas, Facultad de Ciencias de la Salud, Universidad De Talca. (Sponsored by Funded By Proyecto Fondecyt 1150662 And Programa De Investigación De Excelencia Interdisciplinaria En Envejecimiento Saludable Universidad De Talca.)

21) **Chronic exercise reduces fibrosis and hypertrophy but not oxidative stress in diabetic cardiomyopathy**

Novoa, Ulises[1]., Arauna, Diego[1]., Moran, Marisol[1]., **Gonzalez, Daniel[1]**., [1]Departamento Ciencias Biomedicas, Facultad de Ciencias de la Salud, Universidad De Talca. (Sponsored by Supported By Fondecyt 1150662 And Programa De Investigación De Excelencia Interdisciplinaria En Envejecimiento Saludable Universidad De Talca.)

22) **Nitric oxide releasing aspirin affects morphogenesis and increases Candida albicans susceptibility to fluconazole in clinical isolated.**

Madariaga, F[1]., Urzua, Blanca[1]., Fernandez, Roberto [1]., Ramires, Ricardo[1]., Jara, Jose[1].,Herreros, Eduardo[1].,Aguilera, Jocelyn[1]., Molina, Alfredo[1]., [1]instituto de investigación en ciencias odontologicas, odontologia, Universidad De Chile. (Sponsored by Project FONDECYT 11140227, U-inicia 195. Candida Spp Strains Were Kindly Given By Dr. Ximena Lee And Leyla Gomez, Facultad De Odontología, Universidad De Chile.)

23) **Cytotoxic effect of lipophilic cation derived from polyhydroxy-benzoic acids in oral squamous cell carcinoma.**

Aguilera, Jocelyn[1]., Molina, Alfredo[1]., Fernández, Ricardo[1]., Ferreira, Jorge[2]., Castro, Vicente[3]., Jara, José[1]., [1]Laboratorio de Farmacología y Farmacogenómica, Facultad de Odontología , Universidad De Chile. [2]Programa de Farmacología Molecular y Clínica, ICBM, Facultad de Medicina, Universidad De Chile. [3]Departamento de Química, Facultad de Ciencias Básicas, Universidad Metropolitana de Ciencias de la Educación. (Sponsored by Proyecto U-inicia VID N? 196 (Jara J), Financiado Por El Programa De Ayuda De Viajes Para El Fortalecimiento De La Investigación, Facultad De Odontología (Jara J).)

24) **Ar-c155858 decreases neutrophil extracellular traps formation and neutrophil adhesion onto endothelium induced by D-lactic acid**

Alarcon, Pablo[1]., Conejeros, Iván[1]., Munoz-caro, Tamara[2]., Taubert, Anja[2]., Hermosilla, Carlos[2]., Burgos, Rafael[1]., [1]Instituto de farmacologia y morfofisiologia Universidad Austral De Chile, Valdivia, Chile. [2]Institute of Parasitology Justus-Liebig University Giessen, Giessen, Germany. (Sponsored by Financed By FONDECYT 1151035, DID-UACh, MECESUP AUS1203)

25) **Evaluation of leukocyte extravasation inhibition by *Ugni molinae* genotypes**

Avello, Zita[1]., Arancibia Radich, Jorge [1]., Seguel, Ivette [2]., Delporte , Carla[1]., [1]Química Farmacológica y Toxicológica, Ciencias Químicas y Farmacéuticas, Universidad De Chile. [2]Instituto de Investigación Agropecuarias, Instituto de Investigación Agropecuarias, INIA, Carrillanca, Temuco. (Sponsored by Acknowledgments: We Are Grateful To FONDECYT, Chile, Grant N° 1130155, CONICYT, Chile Grants N°21130672 And N°21120377. Thank You To INIA (Carillanca, Temuco) For The Genotypes.)

26) **Selective sympathetic plasticity in basal and evoked levels due to chronic sympathetic over-stimulation**

Pezo, Rafael[1]., Donoso, Maria Veronica[2]., Huidobro-Toro, Juan Pablo[1]., [1]Deparment of Biology, Chemistry and Biology, Universidad De Santiago De Chile.[2]Biology deparment, Chemistry and Biology, University of Santiago of Chile. (Sponsored by Postdoctoral FONDECYT To RB 3130573 And FONDECYT 1141132.)

27) **Interferon beta (IFN-β) activates the JAK-STAT pathway in cardiac fibroblasts and produces anti-inflammatory and anti-fibrotic effects**

Bolivar, Samir[1]., Humeres, Claudio [1]., Vivar, Raul [1].,Boza, Pia[1]., Muñoz, Claudia[1].,Díaz-Araya, Guillermo[1]., [1]Farmacologia y Toxicologia, Ciencias Quimicas y Farmaceuticas, Universidad De Chile. (Sponsored by FONDECYT Project 1130300, CONICYT PhD Scholarship For Foreigners, Operating Expenses 63130233 CONICYT Scholarship.)

28) **Oil essential from *Cryptocaria alba* and *Peumus boldus* with anti-*Helicobacter pylori* activities**

Bravo, Jessica[1]., Touma, Jorge[1].,Venegas, Alejandro[1].,Navarro, Myriam[1].,Delporte, Carla[2].,Sepulveda , Betsabet[3].,[1]CIB, Medicina, Universidad Diego Portales.[2]Farmacognosia, Química y Farmacia , Universidad de Chile.[3]CEPEDEQ Universidad de Chile .

29) **Activation of μU-opioid receptor by Salsolinol, a brain metabolite of alcohol**

Bravo, Alex[1]., Berríos-Cárcamo, Pablo[2]., Herrera-Marschitz, Mario[3]., Quintanilla, María Elena[2].,Rivera-Meza, Mario., [1]Departamento de Ciencias Farmacéuticas, Facultad de la Salud, Universidad Arturo Prat.[2]Programa de farmacología Molecular

y Clínica, Facultad de Medicina, Universidad De Chile. [3]Iniciativa Cientifica Milenio Instituto de Neurociencia Biomédica . (Sponsored by Supported By: FONDECYT #11130241: BNI P09-015-F)

30) **Agonists of HCA2 receptor induce calcium mobilization and increase chemotactic response in bovine neutrophils**
Carretta, Daniella[1]., Hidalgo, Maria[2]., Burgos, Rafael[2]., [1]Laboratory of Inflammation Pharmacology, Institute of Pharmacology and Morphophysiology, Faculty of Veterinary Science, Universidad Austral De Chile. [2]Instituto de Farmacología y Morfofisiología, Facultad de Ciencias Veterinarias , UACH. (Sponsored by Fondecyt 1151035)

31) **Alkylhydroxy-benzoate derivatives as new compounds with cytotoxic effect in human colon cancer cells**
Catalán, Mabel[1,2]., Rojas, Diego[2].,Guzmán, Daniela[2]., Jara, José[3]., Castro-Castillo, Vicente[4]., Rebolledo, Solange[4]., Madrid-Rojas , Matías[4]., Pavani, Mario[2]., Ferreira, Jorge[2]., [1]Programa de Farmacología Molecular y Clínica, Medicina, Universidad De Chile. [2]Programa de Farmacología Molecular y Clínica, Medicina, Universidad de Chile. [3]Programa de Farmacología y Farmacogenética, Odontología, Universidad De Chile .[4]Química, Ciencias básicas, Universidad Metropolitana De Ciencias De La Educación. (Sponsored by FONDECYT Regular N °1130772 (Ferreira J), Proyecto Inserción En La Academia (Catalán M) N° 791220004)

32) **Comparative study of Inhibitory activity of the protein tyrosine phosphatase 1B of Ugni molinae leaves genotypes**
Bugueño, Italo[2]., Arancibia-Radich, Jorge[2]., Peña-Cerda, Marcelo[2]., Cortez, Giovanni[2]., Seguel, Ivette[1]., **Delporte, Carla[2]**., [1]Instituto de Investigaciones Agropecuarias, Instituto de Investigaciones Agropecuarias, INIA, Carillanca, Temuco, Chile. [2]Química Farmacológica y Toxicológica, Ciencias Químicas y Farmacéuticas, Universidad De Chile.

33) **New isoxazole compounds: Activity on α7 nicotinic receptors and toxicity in endothelial cells**
Espinoza, Hilda[1]., Sepúlveda, Evelyn[1]., Álvarez, Rocío[1]., Vallejos, Gabriel[2]., Cortés , Magdalena[1]., [1]Pharmacy Faculty Universidad of Valparaiso. [2]Chemistry Institute Austral University of Chile. (Sponsored by DIPUV Project 59/2009.)

34) **Increased intestinal permeability induced by diet modification: a novel animal model for pharmacological studies of the gut barrier**

Eyzaguirre-Velásquez, Johana[1]., Olavarría-Ramírez , Loreto[1]., González-Arancibia, Camila[1]., Escobar-Luna, Jorge[1]., Díaz-Merino, Camila[1].,Barrera-Bugueño , Camila[1]., Bravo, Javier[1]., Julio-Pieper, Marcela[1]., [1]Grupo de NeuroGastroBioquímica, Laboratorio de Química Biológica. Instituto de Química, Facultad de Ciencias, Pontificia Universidad Católica De Valparaíso.
(Sponsored by Funding: PUCV DI 037.470/2015, Fondecyt 1130213)

35) **Cryopreservation induces alterations in the mitochondrial function of Atlantic salmon spermatozoa *(Salmo salar)*.**

Farias, Jorge[1]., Figueroa, Elias[1]., Valdebenito, Ivan[2]., Risopatron, Jennie[3]., Short, Stefania[4]., Zepeda, Andrea[1]., Figueroa, Carolina[1]., [1]Departamento de Ingeniería Química, Facultad de Ingenieria y Ciencias, Universidad de La Frontera. [2]Escuela de Acuicultura Universidad Catolica de Temuco. [3]BIOREN?Center for Biotechnology in Reproduction Universidad de La Frontera. [4]Departamento de Ingeniería Química, Facultad de Ingenieria y Ciencia, Universidad de La Frontera.
(Sponsored by FONDECYT 1151315 (F.JG);, FONDEF D10I1064 (I.V). CONICYT Doctorate Grant (F.E; S.SE))

36) **Differential effect of NO-aspirin on susceptibility to fluconazole in C. *glabrata* and C. *tropicalis* obtained from denture stomatitis patients**

Fernández, Roberto[1]., Madariaga, Francisco[1]., Urzúa, Blanca[2]., Fernández-Ramires, Ricardo[1].,Jara, José[1].,Herreros, Eduardo[1]., Molina-Berríos, Alfredo[1]., [1]Instituto de Investigación en Ciencias Odontológicas, Laboratorio de Farmacología y Farmacogenética, Facultad de Odontología, Universidad De Chile. [2]Instituto de Investigación en Ciencias Odontológicas, Laboratorio de Biología y Bioquímica Oral, Facultad de Odontología, Universidad De Chile. (Sponsored by Project FONDECYT 11140227, U-inicia 195. Candida Spp Strains Were Kindly Given By Dr. Ximena Lee And Leyla Gomez, Facultad De Odontología, Universidad De Chile.)

37) **Synthetic coumarins able to inhibit α-glucosidase and exhibiting antioxidant activity**

Figueroa, Catalina[1]., Rivera, Constanza[1]., Olea, Claudio[2]., Delporte, Carla[1]., [1]Química Farmacológica y Toxicológica, Ciencias Químicas y Farmacéuticas, Universidad De Chile. [2]Química Inorgánica y Analítica, Ciencias Químicas y Farmacéuticas, Universidad De Chile. (Sponsored by Grant, Beca Doctorado Nacional CONICYT Nº 21141172 And FONDECYT N° 1130155)

38) **Protective effect of ascorbic acid on recombinant *Pichia pastoris***.

Figueroa, Carolina[1,2]., Zepeda, Andrea[1,2]., Figueroa, Elías[1]., Abdalla, Dulcineia[3]., Pessoa, Adalberto[2]., Farías, Jorge[1]., [1]Department of Chemical Engineering, Faculty of Engineering and Sciences, University of La Frontera. [2]Departamento de Tecnologia Bioquímico-Farmacêutica, Faculdade de Ciências Farmacêuticas, Universidade de Sao Paulo. [3]Departamento de Análises Clínicas e Toxicológicas, Faculdade de Ciências Farmacêuticas, Universidade de Sao Paulo. (Sponsored by PhD Scholarship N°21110913, CONICYT. Coordination Of Superior Level Staff Improvement (CAPES, Brazil), National Council For Scientific And Technological Development (CNPq, Brazil) And São Paulo Research Foundation (FAPESP, Brazil).)

39) ***Ulva Compressa,* a chlorophyte algae releases extracellular ATP and metabolizes the nucleotide through multiple ATPases**

Garcia-Huidobro, J Pablo[1]., Donoso, M Verónica[1]., Gómez, Melissa[1]., Moenne, Alejandra[1]., [1]Departamento de Biología, Facultad de Química y Biología, Universidad de Santiago de Chile. (Sponsored by Funded CEDENNA, Fondecyt Grants 1141132, 1130118)

40) **A comparative study of the *in vitro* antioxidant capacity of ethanolic extracts from leaves of different *Ugni molinae* genotypes.**

Pérez-Arancibia, Rodrigo[1]., Valenzuela-Bustamante, Paula[1]., Peña-Cerda, Marcelo[1]., Seguel, Ivette[2]., Delporte, Carla[1]., [1]Departamento de Farmacología y Toxicología, Facultad de Ciencias Químicas y Farmacéuticas, Universidad De Chile. [2]Centro Regional de Investigación Carillanca Instituto de Investigaciones Agropecuarias (INIA). (Sponsored by FONDECYT N°1130155, Beca CONICYT N°21120377, INIA Carillanca, Chile.)

41) **Chronic Ketamine treatment during adolescence induces long-term impairment of prefrontal cortex in adult rats.**
Morales, Camila[1,2,3]., Pérez, Miguel[1,2,3]., Arriagada, Jorge[1,2,3]., Fuenzalida, Marco[3,1,2]., [1]Neural Plasticity Lab Universidad De Valparaíso. [2]Centro de Neurobiología y Plasticidad Cerebral, Instituto de Fisiología Universidad De Valparaíso. [3]Millennium Nucleus in Neuropsychiatric Disorders NU-MIND Universidad De Valparaíso. (Sponsored by This Work Was Supported By Grants From Millennium Nucleus NU-MIND NC-130011 (M.F), FONDECYT 1130614 (M.F.) Master Fellowship CONICYT 20877 (CMM).)

42) **A failure in ascorbic acid recycling and release from striatal astrocytes is responsible for the metabolic impairment in Huntington's disease.**
Beltran, Felipe[1]., Troncoso-Escudero, Paulina[1]., Valverde-Porras, Naizmi[2]., Rojas, Patricio[3]., Li, Xiao-Jiang[4]., Li, ShiHua[4]., Castro, Maite[1]., [1]Instituto de Bioquímica y Microbiología, Facultad de Ciencias, Universidad Austral De Chile. [2]Biotecnología TEC. [3]Departamento de Biología Universidad De Santiago De Chile. [4]Department of Human Genetics EMORY University.

43) **Iron Regulatory Protein 1 (IRP1) dysregulation mediates neuroblastoma cell death induced by mitochondrial complex I inhibition**
Aguirre, Pabla[1,2]., Urrutia, Pamela[1,2]., Mena, Natalia[1]., Tapia, Victoria[1,2]., Esparza, Andrés[1]., Núñez, Marco[1,2]., [1]Biología, Facultad de Ciencias, Universidad de Chile. [2]Biología, Facultad de Ciencias, Research Ring on Oxidative Stress in the Nervous System.

44) **Changes on purinergic receptor P2X2 and protein FE65 expression, and its effect on mitochondrial functions**
Barra, Karen[1]., Silva-Grecchi, Tiare[2]., Godoy, Pamela[1]., Celis, Teresa[1]., Panes, Yessica[1]., Fuentealba, Jorge[2]., [1]Fisiología, Ciencias Biológicas , Universidad De Concepción. [2]Fisiología Universidad De Concepción. (Sponsored by This Work Has Been Funded By The 1130747 FONDECYT Project)

45) **Characterization of neuroprotective peptidomimetics based on the C terminal region of the β amyloid peptide (Aβ)**
Bascuñán, D[1]., Peters, Christian[1]., Perez, Nelson[1]., Burgos, Felipe[1]., Aguayo, Luis[1]., [1]Departamento de Fisiología, Ciencias Biológicas, Universidad De Concepción. (Sponsored by Work Supported By Fondecyt Grant 1140473.)

46) **Ventilatory arrest is the primary event that leads to sudden death after heat-induced seizures in a Dravet mouse model.**
Bravo, E[1]., YuJaung, Kim[1]., Richerson, George[1]., [1]Neurology University of Iowa.

47) **The transcription factor Nuclear receptor related 1 (Nurr1) is down-regulated by iron and mitochondrial complex I inhibition.**
Carrasco, Carlos M.[2,1]., Aguirre, Pabla[2,1]., Gonzalez-Billault, Christian[1,2]., Nuñez, Marco[1,2]., [1]Santiago, Chile Research Ring on Oxidative Stress in the Nervous System. [2]Biology, Science, Universidad De Chile.

48) **Amyloid-β peptide induces an increase in P2X2 receptor levels and changes mitochondrial dynamic-related protein expression."**
Celis, Teresa[1]., Barra, Karen[1]., Godoy, Pamela[1]., Panes, Jessica[1]., Fuentealba, Jorge[1]., [1]Physiology, Biological Sciences, Universidad De Concepción.
(Sponsored by This Work Has Been Funded By FONDECYT Project 1130747)

49) **Study of locomotor activity in *Octodon degus*: a potential natural model for neurodegeneration Parkinson type**
Gajardo, Ivana[1]., Palacios, Adrián[1]., [1]Centro Interdisciplinario de Neurociencia de Valparaíso, Facultad de Ciencias, Universidad De Valparaíso.
(Sponsored by Millennium Institute ICM-P09-022-F)

50) **Single unit activity in the dorsolateral striatum of amphetamine treated rats: preliminary results**
Gatica, R.I.[1]., Aguilar-Rivera, M.I.[2]., Fuentealba, J.A.[1]., [1]Laboratorio de Neuroquímica, Departamento de Farmacia, Facultad de Química, Pontificia Universidad Católica De Chile. [2]Department of Bioengineering University of California, San Diego.
(Sponsored by Sponsored By FONDECYT N° 1141088)

51) **Use of deep transcranial magnetic stimulation (deep TMS) as add-on treatment for Parkinson's disease.**
Linsambarth, Sergio[1]., Villalon, Esteban[2]., Moraga-Amaro, Rodrigo[1]., Zangen, Abraham[3]., Poblete, Patricio[3]., Stehberg, Jimmy[1]. ,[1]Laboratorio Neurobiologia Universidad Andrés Bello. [2]Neuroclinic NeuroMagnetics. [3]Neuroscience Laboratory University of the Negev.

52) **Role of $Ca_V1.2$ calcium channel as gene regulation in a depression-like model**
Moreno, C[1,2]., Hardy, Paulina[1]., Hermosilla, Tamara[2]., Varela, Diego[2]., Rojas , Patricio[2]., [1]Biología, Química y Biología, Universidad De Santiago De Chile. [2]Instituto Ciencias Biomédicas, Medicina, Universidad De Chile. (Sponsored by Fondecyt Regular 1130904 And 1120240; Beca Doctorado Nacional 21130549.)

53) **Evaluation of Obsessive Compulsive Disorder- related behaviors in a mouse model with altered Eaat3 expression in GABAergic neurons**
Delgado, Claudia[3]., Martinez, Jonathan[3].,Henriquez, Francisca[3,1]., Gonzalez, Luis[2]., Moya, Pablo[3]., [1]Bioquimica Universidad Catolica de Valparaiso. [2]Quimica y Farmacia, Farmacia, Universidad De Valparaíso. [3]Fisiologia, Ciencias, Universidad De Valparaíso. (Sponsored by This Work Was Funded By Millennium Nucleus NU-MIND NC 130011 (PRM) And FONDECYT Grants 1141272 (PRM))

54) **Strategies to identify neuroprotective molecules in the diet: From genome to behavior.**
Prado, L[1]., [1]Centro de Genómica, Facultad de CIencias, Universidad mayor.

55) **Role of chloride co-transporters in animal models of Schizophrenia**
Lorca, Enrique[1]., Lara, Marcelo[1]., Rojas, Patricio[1]., [1]Biología, Química y Biología, Universidad De Santiago De Chile.

56) **Identity and Characteristics of Nitric Oxide synthesizing Bipolar Cells in the Retina**
Agurto, Adolfo[1]., Vielma, Alex[1]., Schmachtenberg, Oliver[1]., [1]Neuroscience, Science, Universidad De Valparaíso. (Sponsored by Fondecyt 1120513 And Millenium Institute CINV)

57) **Carotid chemosensory responses to acute hypoxia are reduced by chronic phenytoin treatment**
Alcayaga, Julio[1]., Oyarce, María[2]., Del RIo, Rodrigo[3]., [1]Biología, Ciencias, Universidad De Chile. [2]Ciencias Fisiológicas, Ciencias Biológicas, Pontificia Universidad Católica De Chile. [3]Unidad de Control Cardiorrespiratorio, Centro de Investigación Biomédica, Universidad Autónoma De Chile. (Sponsored by Supported By Grant FONDECYT 1130177)

58) **Studying the role of aminergic receptprs expressedin drosophila mushroom bodies in behavioral responses to an aversive stimulus**

Fuenzalida-Uribe, Nicolás[1]., Campusano, Jorge[1].,[1]Biología Celular y Molecular, Facultad de Ciencias Biológicas , Pontificia Universidad Católica De Chile. (Sponsored by Supported By Fondecyt 1141233)

59) **On the spatial extension of the correlations on a retinal ganglion cells population: dependence on the stimuli.**

Herzog, Rubén[1]., Palacios, Adrian[2]., Escobar, Maria-Jose[3]., [1]Biología, Ciencias, Universidad De Chile. [2]CINV, ciencias, Universidad De Valparaíso.[3]Electrónica Universidad Técnica Federico Santa María. (Sponsored by Fondecyt #1150638, Millennium Institute ICM-P09-022-F., ANR_CONICYT ANR-47 ECOS-Conicyt C13E06 Fondecyt #1140403, Basal Project FB0008)

60) **Effect of 4-methyl-thioamphetamine on olfactory responses in drpsphila is explained by an increased serotonin release in the fly brain.**

Hidalgo, Sergio[1]., Molina, Daniela[1]., Fuenzalida-Uribe, Nicolás[1]., Campusano, Jorge[1]., [1]Biología celular y molecular , Ciencias biológicas , Pontificia Universidad Católica De Chile. (Sponsored by Acknowledgement To Dr. Iturriaga-Vasquez. Supported By Fondecyt 1141233)

61) **Synchrony of neural oscillations in the olfactory system of the rainbow trout**

Olivares, Jesús[1]., Herzog, Rubén[1]., Orio, Patricio[1]., Schmachtenberg, Oliver[1]., [1]Neurociencia, Science, Universidad De Valparaíso. (Sponsored by FONDECYT 1120513, Instituto Milenio CINV, Beca De Estudios De Doctorado CONICYT)

62) **Inatentively viewing a bistable stimulus induces simultaneous processing of both alternative percepts**

Rodriguez, Eugenio[1]., Campos, German[1]., Artigas, Claudio[1]., Morales, Ricardo[1]., [1]Escuela de Psicologia, Facultad de Ciencias Sociales, Pontificia Universidad Católica De Chile. (Sponsored by Proyecto Fondecyt 1120752)

63) **Serotoninergic modulation of synaptic strength in rat dentate gyrus**

Chavez, Andres[1,2]., Castillo, Pablo[2]., [1]Instituto de Neurociencias, Ciencias, Universidad de Valparaiso,

Centro Interdisciplinario de Neurociencias.[2]Dominick P. Purpura Department of Neuroscience, Neuroscience, Albert Einstein College of Medicine. (Sponsored by This Work Was Supported By NIH Grants MH081935 And DA017392 (to P.E.C.) And By Nucleo Milenio Nu-MIND NC 130011 (to A.E.C).)

64) **Prostaglandin E2 decrease inhibitory post-synaptic current in CA1 pyramidal neurons of hippocampus**
Ahumada, Juan[1]., Bonansco, Christian[1]., Fuenzalida, Marco[1]., [1]Fisiología, Ciencias, Universidad De Valparaíso. (Sponsored by This Work Was Supported By Grants From Millennium Nucleus NU-MIND NC-130011 (MF), FONDECYT 1130614 (M.F.) And 1130491 (CB), CONICYT PhD Fellow Nº 21130547 (JA).)

65) **Brevican and reelin regulate neuronal refinement in hippocampal neurons.**
Ampuero, Estibaliz[1]., Jury, Nur[1].,Marzolo, María Paz[2].,Jaramillo, Karen [1].,Montecino, Martín [3].,Van Zundert, Brigitte[1].,[1]Laboratorio de Plasticidad Neuronal , Centro de Investigaciones Biomédicas, Universidad Andrés Bello.[2]Laboratorio de Tráfico Intracelular y Señalización, Facultad de Ciencias Biológicas, Pontificia Universidad Católica De Chile.[3]Laboratorio de Regulación Génica, Centro de Investigaciones Biomédicas, Universidad Andrés Bello. (Sponsored by Fondecyt-3130582 (E.A.), Fondecyt-1140301 (B.v.Z.), Anillo ACT1114 (B.v.Z.).)

66) **Methylphenidate amplifies LTP in hippocampus CA1 area involving the insertion of AMPA receptors by activation of β-adrenergic and D1/D5 receptors**
Carvallo, Claudia[1]., Contreras, Darwin[1].,Farias, Ricardo[2].,Rozas, Carlos[2].,Zeise, Marc[2].,Morales , Bernardo[2].,[1] Biología, Quimica-Biología, Universidad De Santiago De Chile.[2]Biología, Química y Biología, Universidad De Santiago De Chile. (Sponsored by Supported By FONDECYT 1120580, Anillo ACT-1113 And CONICYT Fellowship To C.C./D.C)

67) **Cannabinoid receptor activation modulate the temporal properties of scotopic visual signal in rat retina**
Palacios-Muñoz, Angelina[1]., Vielma, Alex[2]., Palacios, Adrian[3]., Chavez, Andres[4]. ,[1]Instituto de Neurociencias, Facultad de Ciencias, Centro Interdisciplinario de Neurociencia de Valparaíso, Universidad de Valparaíso. [2]Instituto de Neurociencias, Facultad de Ciencias, Universidad de

Valparaíso, Centro Interdisciplinario de Neurociencia de Valparaíso. [3]Instituto de Neurociencias, Facultad de Ciencias, Universidad de Valparaiso, Centro Interdisciplinario de Neurociencias.[4]Instituto de Neurociencias, Facultad de Ciencias, Universidad de Valparaiso, Centro Interdisciplinario de Neurociencia. (Sponsored by This Work Was Supported By FONDECYT Grant # 1151091 (AEC), Iniciativa Científica Milenio ICM-P09-022-F (AEC And AGP) And Núcleo Milenio Nu-MIND # NC 130011 (AEC).)

68) **Role of NADPH oxidase (NOX) in spatial memory formation and synaptic function in rat hippocampus**
Contreras, Marcela[1]., Chávez, Andrés[2]., Sanchez, Gina[3]., Hidalgo, Cecilia[4]., Haeger, Paola[1]., [1]Departamento Ciencias Biomédicas, Facultad de Medicina, Universidad Católica Del Norte. [2]Centro Interdisciplinario de Neurociencias de Valparaíso, Facultad de Ciencias, Universidad De Valparaíso. [3]Programa de Fisiopatologia, ICBM, Facultad de Medicina, Universidad De Chile. [4]BNI, CEMC & ICBM, Facultad de Medicina, Universidad De Chile. (Sponsored by Funded By Fondecyt #1140855 (P.H), Fondecyt #1151091 & Millennium Nucleus NU-MIND NC-130011 (AEC), # Fondecyt 1140545 & BNI P-09-015F (CH))

69) **ATP a probable mediator of the respiratory response at caudal medullary chemosensitive nuclei.**
Gómez, Karina[1]., Olivares, María José[1]., Beltran-Castillo, Sebastián[1]., Donoso, María Verónica[1]., Huidobro-Toro, Juan Pablo[1]., Eugenin, Jaime[1]., [1]Biología, Química y Biología, Universidad De Santiago De Chile. (Sponsored by Fondecyt 1130874 Y Fondecyt 1141132)

70) **Adaptation of CA1 pyramidal neuron excitability to chronic inactivity: role of CaMKII**
Karmelic, D[1]., Palma, Verónica[1]., Sanhueza, Magdalena[1]., [1]Departamento de Biología, Facultad de Ciencias, Universidad De Chile. (Sponsored by Financial Support: CONICYT Scholarship 21110650 And FONDECYT Grants 1140700 And 1140697.)

71) **Sorting determinants of Corticotrophin Releasing Factor Binding Protein towards the Regulated Secretory Pathway**
Bastias, Cristian[1]., Blanco, Elías[1]., Gysling, Katia[1]., [1]Departamento Biología Celular y Molecular, Facultad de Ciencias Biológicas, Pontificia Universidad Católica De Chile.

72) **The lack of a functional allele for Methyl CpG Binding Protein-2 alters reproductive lifespan and fertility in female mice.**
Alarcon, Gloria[1]., Camila , Navia[1]., Kerr, Bredford[2]., [1]Laboratorio de Biología Centro de Estudios Científicos-CECs, Universidad Austral De Chile. [2]Laboratorio de Biología Centro de Estudios Científicos. (Sponsored by Fondecyt 1140162, PFB 01/2007.)

73) **Exposure to a high fat diet during pregnancy and nursing increases serum estradiol in the offspring through a decrease in its metabolism**
Alvarez, Daniela[1]., Reyes, Aldo[1]., Ramírez, Luisa[1]., Olguín, Sofía[1]., Ambrosetti , Valery[1]., Guerra, Marcelo[1]., Fernandois, Daniela[1]., Cerda, Tania[1]., Cruz, Gonzalo[1]., [1]Laboratorio de Alteraciones Reproductivas y Metabólicas. Instituto de Fisiología, Facultad de Ciencias, Universidad De Valparaíso. (Sponsored by FONDECYT INICIACION 11130707 (GC) And Centro De Neurobiología Y Plasticidad Cerebral (CNPC) Of Universidad De Valparaíso.)

74) **Cryopreservation induces alterations in the mitochondrial function of Atlantic salmon spermatozoa (Salmo salar).**
Figueroa, E[3]., Valdebenito , Iván [1].,Risopatrón, Jennie [2].,Short, S.E[3].,Zepeda, A.B[3].,Figueroa, C.A[3].,Farias, J.G[3].,[1]School of Aquaculture Catholic University of Temuco, Temuco, Chile.[2]BIOREN Center for Biotechnology in Reproduction La Frontera University, Temuco, Chile.[3]Departamento de Ingeniería, Facultad de Ingeniería y Ciencias, Universidad De La Frontera. (Sponsored by FONDECYT 1151315 (F.JG); FONDEF D10I1064 (I.V). CONICYT Doctorate Grant (F.E; S.SE))

75) **The environmental toxicants induce sperm acrosome reaction (AR) through a protein Kinase A (PKA) pathway**
Gallardo, Luz[1].,**Moreno, Ricardo[1]**., [1]Fisiología, Ciencias Biológicas, Pontificia Universidad Católica De Chile. (Sponsored by FONDECYT 1150352 (RD.M), LMG: Becaria Doctorado CONICYT)

76) **Organotypic culture as an in vitro spermatogenesis model: comparison between rat and mouse**
Carmona-Rojas, E[1]., Berrios-Amaro, C[1].,Moreno, R[2].,Reyes, J[1].,[1]Chemistry, Science, Pontificia Universidad Católica de Valparaíso.[2]Endocrinology and Reproduction, Biological Sciences, Pontificia Universidad Católica De Chile.

77) **Novel LC-MS/MS method for simultaneous determination of serum corticosteroids and the role of 11β-HSD enzymes in essential hypertension**

Allende, Fidel[1]., Benitez, Agustin[1]., Silva, Patricio[1]., Campino, Carmen[2,3]., Vecchiola, Andrea[2,3]., Valdivia-Pizarro, Carolina[2]., Rojas, Maria[4]., Lagos, Carlos[2,3]., Baudrand, Rene[2]., Carvajal, Cristian[2,3]., Solari, Sandra[1]., Fardella, Carlos[2,3]., [1]Department of Clinical Laboratories, School of Medicine, Pontificia Universidad Catolica de Chile. [2]Department of Endocrinology, School of Medicine, Pontificia Universidad Catolica de Chile. [3]IMII Millennium Institute on Immunology and Immunotherapy. [4]Department of Family Medicine, School of Medicine, Pontificia Universidad Catolica de Chile. (Sponsored by Supported By FONDECYT 1130427, FONDECYT 1150437, CORFO 13CTI-21526-P1 & IMII P09/016-F Grants.)

78) **Evaluation of functional connectivity between the prefrontal cortex and hippocampus in freely moving mice**

Negron, Ignacio[1]., Aguilar, Marcelo[1].,Espinosa, Nelson[1].,Aboitiz, Francisco[1]., Fuentealba, Pablo[1]., [1]Departamento de Psiquiatria Pontificia Universidad Catolica De Chile. (Sponsored by We Were Supported By Millenium Center For The Neuroscience Of Memory, NC10-001-F, From The Ministry For Economics, Fomentation And Tourism, Chile, FONDECYT For Postdoctoral Grant Nº 3140370 To I.N-O.)

79) **Behavioral and electrophysiological indices of a modified error monitoring in meditators.**

Andreu, Catherine I.[1]., Slagter, Heleen A. [2].,Franken, Ingmar H.A.[3].,López, Vladimir[1].,Cosmelli, Diego[1].,[1]Escuela de Psicología Pontificia Universidad Católica De Chile.[2]Department of Psychology University of Amsterdam.[3]Institute of Psychology Erasmus University Rotterdam. (Sponsored by This Work Was Supported By The National Committe Of Science And Technology Of Chile (CONICYT), Through A Doctoral Scholarship Given To Catherine Andreu (number 21140175).)

80) **Gestational stress induces resilience to depressive-like behaviors in the post-weaning**

Arriagada, M[1]., Dagnino, A.[1].,[1]Laboratory of Behavioral Neurobiology, Center for Neurobiology and Brain Plasticity, Institute of Physiology, Faculty of Sciences, Universidad De Valparaíso.

81) **Characterization of feedback error-related negativity for the study of adaptive behavior and the reward system.**
Astudillo, Aland[1]., Vinales, Laura[2]., Orio, Patricio[1]., Quilodran, Rene[2]., [1]Centro Interdisciplinario de Neurociencia de Valparaíso, Facultad de Ciencias, Universidad De Valparaíso. [2]Medicina, Facultad de Medicina, Universidad De Valparaíso. (Sponsored by FB0008 From Conicyt (PO). The CINV Is Supported By The Millenium Science Inititative (Ministerio De Economía, Chile))

82) **Determining the role of insular cortex in anxiety: a study of anxiety behavior in different zones of the Insula**
Escorza, Tomás[1]., Tamburini, Giovanni[1].,Méndez, Luis[1].,Rojas, Sebastián[1].,Díaz-Galarce, Raul[1].,Moraga-Amaro, Rodrigo[1].,Stehberg, Jimmy[1].,[1]Laboratorio de Neurobiología, Centro de Investigaciones Biomédicas, Universidad Andrés Bello.

83) **Effect of humor on decision making: a behavioral and electrophysiological report**
Flores, Jorge[1]., Rodríguez, Eugenio[1]., Campos, German[1]., [1]Psychology, Social Sciences , pontificia universidad de chile. (Sponsored by Beca Doctorado Nacional 2014)

84) **Effects of n-3 PUFAs supplementation on auditory attention of chronically stressed rats.**
Gárate-Pérez, Macarena[1]., Dagnino-Subiabre, Alexies[1]., [1]Laboratory of Behavioral Neurobiology, Center for Neurobiology and Brain Plasticity, Institute of Physiology, Faculty of Sciences, Universidad De Valparaíso. (Sponsored by This Work Was Supported By FONDECYT 1141276 Grant (Alexies Dagnino). Labsite: Www.stress.cl)

85) **Characterization of the role of Octopamine and Tyramine on locomotor, olfactory and anxiety-related behaviors in Drosophila melanogaster.**
Herreros, Claudia[1]., Fuenzalida-Uribe, Nicolás[1]., Campusano, Jorge[1]., [1]Biologia celular y molecular, Ciencias Biológicas, Pontificia Universidad Católica De Chile. (Sponsored by Supported By Fondecyt 1141233)

86) C**an you control your attention when you are stressed?**
Palacios-Garcia, Ismael[1]., Villena-Gonzalez, Mario[1]., Artigas, Claudio[1]., Jaramillo, Karina[2]., Campos, German[1]., Silva, Jaime[2]., Rodriguez, Eugenio[1]., [1]Facultad de Psicologia Pontificia Universidad Católica De Chile. [2]Facultad de Gobierno Universidad Del Desarrollo. (Sponsored by This Work Was Supported By The National Committe Of Science And Technology Of Chile (CONICYT), Through A Doctoral Scholarship Given To Ismael Palacios (number 21140884) And Funded By Fondecyt 1130810)

87) **Effects of prenatal stress on the development of depressive-like behaviors in infant rats.**
Iturra-Mena, Ann[1]., Dagnino-Subiabre, Alexies[1]., [1]Laboratory of Behavioral Neurobiology, Center for Neurobiology and Brain Plasticity, Institute of Physiology , Facultad de Ciencias, Universidad De Valparaíso. (Sponsored by This Work Was Funded By FONDECYT Grant N° 1141276 To AD-S. Labsite Www.stress.cl)

88) **Low and high-level visual features modulate saccade-related EEG signals in humans.**
Devia, Christ[1,2]., José , Egaña[4,1]., Montefusco-Siegmund, Rodrigo[4,3]., **Maldonado, Pedro**[4]., [1]Departamento de Anestesiología y Reanimación, Facultad de Medicina , Universidad de Chile.[2]Department of Brain and Cognitive Sciences, The Picower Institute for Learning and Memory, Massachusetts Institute of Technology..[3]Department of Psychology, Centre for Vision Research , York University. [4]PDFB, BNI , Facultad de Medicina , Universidad de Chile. (Sponsored by This Work Was Made Possible In Part By A Grant From CONICYT, FONDECYT/Postdoctorado 3140306 To CD And By ICM-P09-015F.)

89) **Studying the neural correlates of Conscious Perception with a Low-Features visual stimulation: P3b as the earliest ERP NCC.**
Boncompte, Gonzalo[1]., Cosmelli, Diego[1].,[1]Psicología Pontificia Universidad Católica De Chile. (Sponsored by We Would Like To Acknowledge CONICYT For Its Financial Help In The Form Of A PhD Grant To GB)

90) **Dendritic cells are necessary for the upregulation of the intrarenal RAS and renal sodium transporters in Angiotensin II and high salt**

Araos, Patricio[1]., Hevia, Daniel[1].,Fuentes, Eugenia[1]., Prado, Carolina[2]., Pacheco, Rodrigo[2]., Michea, Luis[1]., [1]Fisiología, Medicina, Millennium Institute on Immunology and Immunotherapy, CEMC, ICBM.[2]Laboratory of Neuroimmunology Fundación Ciencia y Vida. (Sponsored by FONDECYT1130550, IMII P09-016-F, BECA CONICYT 21130482)

91) **Aldosterone downregulates the expression of Sodium Potassium ATPase β3 subunit in kidney and renal collecting duct cells.**

Diaz, Pablo[1]., De Gregorio, Cristián[2]., Cutiño, Andrea[2]., González, Magdalena[2]., Michea, Luis[2]., [1]Fisiología, Medicina, Universidad de Chile. [2]Fisiología Universidad de Chile. (Sponsored by CONICYT, FONDECYT Regular N°1130550; IMIIP09-016-F And BECA CONICYT N°21120658)

92) **Role of Angiotensin II and Vasopressin on the expression of Renin in renal collecting duct cells**

Gonzalez-Vergara, Alex[1]., Salinas-Parra, Nicolás[1]., Henríquez, Ricardo [2]., Gonzalez , Alexis A[2].,[1]Instituto de Quimica, Facultad de Ciencias, Pontificia Universidad Católica De Valparaíso. [2]Instituto de Biología , Facultad de Kinesiología, Pontificia Universidad Católica De Valparaíso. (Sponsored by FONDECYT 11121217)

93) **Angiotensin-(1-7) prevents the skeletal muscle atrophy induced by myostatin decreasing the Smad signaling pathway.**

Aravena, J[1]., Simon, Felipe[2]., Cabello, Claudio[1]., [1]Departamento de Ciencias Biológicas, Facultad de Ciencias Biológicas, Universidad Andrés Bello. [2]Departamento de Ciencias Biológicas, Facultad Ciencias Biológicas, Universidad Andrés Bello. (Sponsored by Association-Francaise Contre Les Myopathies AFM #16670; FONDECYT #1120380, 1121078; IMII #P09-016-F; UNAB DI-741-15/N.)

94) **Hydrogen peroxide and nitrite increase in exhaled breath condensate after low-intensity aerobic exercise in non-trained active subjects**

Tuesta, Marcelo[1,2]., Araneda, Oscar[3]., [1]UDA Ciencias de la Salud, Carrera de Kinesiología, Facultad de Medicina, Pontificia Universidad Católica

de Chile. [2]Physiology and Immunology Laboratory, Faculty of Biology, Universidad de Barcelona. [3]Integrative Laboratory of Biomechanics and Physiology of Effort (LIBFE), Kinesiology School , Faculty of Medicine, Universidad de los Andes. (Sponsored by Funded By Fondo De Ayuda A La Investigación (FAI), Universidad De Los Andes Project INOGTO2013, And The National Fund For Scientific & Technological Development (FONDECYT), Project Number 11130082.)

95) **Differential expression of chop and gadd34 in human fetal endothelium from gestational diabetes.**
Valdivia, Luz[1]., Susana, Rojas[1]., Andrea, Saavedra[1]., Astrid, Haensgen[1]., Marcela, Cid[2]., Marcelo, Farías[3]., Marcelo, Gonzalez[1]., [1]Department of Physiology Universidad De Concepción. [2]Obstetrics & Childcare Universidad De Concepción. [3]Division of Obstetrics and Gynaecology Pontificia Universidad Católica De Chile. (Sponsored by Supported By VRID-Associative 213.A84.014-1.0 And FONDECYT 1121145/11100192.)

96) **Inducción de estrés oxidativo en el hígado graso experimental y suproyección sobre la funcionalidad hepática en ratones machos.**
Lopez-Ortega, Aura[1]., Marquez, Ysabel[1]., Sanabria, Mariana[2]., Plaza, Miguel[3]., Murillo, María Divina[3]., [1]Ciencias Básicas, Ciencias Veterinarias, Centroccidental Lisandro Alvarado. [2]Medicina y Cirugía, Ciencias Veterinarias, Centroccidental Lisandro Alvarado. [3]Farmacología y Fisiología, Ciencias Veterinarias, Zaragoza.

97) **Cannabinoid receptor type 1 modulates the effects of polyunsaturated fatty acids on memory consolidation of stressed rats**
Jujihara, Germán[1]., Dagnino-Subiabre, Alexies[1]., Peñaloza Sancho, Valentín[1]., [1]Laboratory of Behavioral Neurobiology, Center for Neurobiology and Brain Plasticity, Institute of Physiology, Sciences, Universidad De Valparaíso. (Sponsored by Support:This Work Was Funded By FONDECYT Grant N° 1141276 To AD-S. Labsite: Www.stress.cl.)

98) **Structural insights on the rP2X4 receptor channel allosteric activation by alfaxolone from electrophysiology to molecular dynamics simulations**
Alveal, Natalia[2]., García-Huidobro Toro, Juan Pablo[1]., Navarrete, Camilo[2]., Barrera, Nelson P.[2]., [1]Biología, Química y Biología, Universidad De Santiago De Chile. [2]Physiology, Biological Sciences,

Pontificia Universidad Católica De Chile. (Sponsored by Funded By ICM P10-035F, Fondecyt 1141132 And 1120169, And Anillo ACT-1108 Grants.)

99) **Molecular dynamics simulations of the dynamin-2 mutation R465W: impact on dynamin-2 monomer structure and dimer interactions**

Hinostroza, Fernando[1]., Maraboli, Vanessa[2]., Cardenas, Ana[3]., Gonzalez, Danilo[2]., [1]Centro Interdisciplinario de Neurociencia de Valparaíso, Ciencias, Universidad De Valparaíso. [2]Centre for Bioinformatics and Integrative Biology Universidad Andrés Bello. [3]Centro Interdisciplinario de Neurociencia de Valparaíso Universidad De Valparaíso. (Sponsored by This Work Has Been Supported By Proyecto Anillo ACT-1121 (CONICYT) And Centro Interdisciplinario De Neurociencia De Valparaíso (CINV).)

100) **The endogenous agonist dopamine at the D_1 dopaminergic receptor. A molecular dynamics study**

Hugo, Estefanía[1]., Fierro, Angelica[2]., Cassels, Bruce[1]., [1]de quimica, de ciencias, Universidad De Chile. [2]de organica, química y farmacia, Pontificia Universidad Católica De Chile. (Sponsored by Grants From FONDECYT, N° 1110146, And CONICYT, N° 24121296.)

101) **Pharmacophore and shape-based virtual screening identification of selective 11β-HSD1 inhibitors**

Lagos, Carlos F.[3,1]., Vecchiola, Andrea[3,1]., Ortiz-Canales, David[3]., Allende, Fidel[2]., Fuentes-Ibacache, Nataly[3]., Fuentes, Cristobal[3]., Gonzalez-Gomez, Luis Martin[3]., Solari, Sandra[2].,Baudrand, Rene[3].,Campino, Carmen[3,1]., Cifuentes, Mariana[4]., Carvajal, Cristian[3,1]., Fardella, Carlos[3,1]., [1]IMII Millennium Institute on Immunology and Immunotherapy. [2]Dept. of Clinical Laboratories, School of Medicine, Pontificia Universidad Catolica de Chile. [3]Department of Endocrinology, School of Medicine, Pontificia Universidad Catolica de Chile.[4]Institute of Nutrition and Food Technology (INTA) Universidad de Chile. (Sponsored by Supported By CORFO 13CTI-21526-P1, FONDECYT 1150437 & 1130427, And IMII P09/016-F Grants. CFL Acknowledges OpenEye Scientific Software And Inteligand:GmbH For Academic License Of Their Products, And The DTP/NCI For Providing The Compounds Screened In Thi)

102) **New N-Arylsulfonylindoles based serotonin 5-HT6 antagonists. Synthesis and binding evaluation studies**

Lagos, Carlos F.[1,2]., Vera, Gonzalo[3]., Almendras, Sebastian[3]., Hebel, Dan[3]., Flores, Francisco[3].,Valle-Corvalan, Gissella [4]., Pessoa-Mahana, Carlos David[3]., Mella-Raipan, Jaime[4]., Recabarren-Gajardo, Gonzalo[3]., [1]Department of Endocrinology, School of Medicine, Pontificia Universidad Catolica de Chile. [2]Facultad de Ciencia Universidad San Sebastian.[3]Department of Pharmacy, Faculty of Chemistry, Pontificia Universidad Catolica de Chile. [4]Department of Chemistry and Biochemistry, Faculty of Sciences, Universidad de Valparaiso. (Sponsored by Supported By Proyecto FONDECYT INICIACION 11121418.)

103) **Kappa opioid control on dopamine basal levels in dorsal striatum: study of no-net flux microdialysis**

Azócar, V.H.[1]., Aguilera, C.[1]., Fuentealba, J.A.[1]., [1]Laboratorio de Neuroquímica, Departamento Farmacia, Facultad de Química, Pontificia Universidad Católica De Chile. (Sponsored by Sponsored By FONDECYT N° 1141088)

104) **GR2 and α_1-receptor expression in the PVN and effects of their activation on the hypothalamic-pituitary-adrenal axis in fetal malnourished rats.**

Pérez, Hernán[1]., Urrutia, Patricia[1]., Sánchez, Sussan[1]., Aravena, Marcela[1]., García, Carolina[1]., Morgan, Carlos[2]., Barra, Rafael[3]., **Hernández, Alejandro[4]**., [1]Laboratorio de Fisiología Patológica, Facultad de Medicina, Universidad Pedro De Valdivia. [2]Laboratorio de Nutrición y Regulación Metabólica, Instituto de Nutrición y Tecnología de los Alimentos (INTA), Universidad De Chile.[3]Unidad de Farmacología, Facultad de Ciencias Médicas, Universidad De Santiago De Chile.[4]Departamento de Biología, Facultad de Química y Biología, Universidad De Santiago De Chile. (Sponsored by Funded By Fondecyt 1080684, Fondecyt Postdoctorado RB3130573 And A Grant From Pedro De Valdivia University.)

105) **Purinergic Signaling differentially regulates the proliferation of Normal and Gastric Cancer cells through $P2Y_2$ and P2X4 receptors**

Hevia, María José[1].,Ramírez, Sebastían[1].,Bernal, Giuliano[1].,**Coddou, C[1]**., [1]Departamento de Ciencias Biomédicas, Facultad de Medicina, Universidad Católica Del Norte. (Sponsored by FONDECYT 11121302)

106) **Thyroid hormone induces liver protein disulfide isomerase and endoplasmic reticulum oxido reductin-1α by a redox-sensitive mechanism**.

Cornejo, P[1]., Fernández, Virginia[2].,Vargas, Romina[3].,Carrasco, Juan[4].,Fernández, Javier[4].,Videla, Luis[4].,[1]Escuela de Tecnología Médica, Facultad de Salud y Odontología, Universidad Diego Portales.[2]ICBM, Programa Farmacología, Medicina, Universidad De Chile.[3]ICBM; Programa farmacología, Medicina, Universidad De Chile.[4]ICBM, Programa de Farmacología, Medicina, Universidad De Chile.
(Sponsored by Acknowledgements: Proyecto FONDECYT 1150104)

107) **Glycine Receptor β Subunit: A Critical Target for Pain Sensitization**

Galaz, Pablo[1]., Cespedes, Nicole[1]., Jorquera, Manuel[4]., Treuer, Adriana[2]., Ponce, María José[4].,Utreras, Jonathan[4]., Coronado, Cesar[3]., Mariqueo, Trinidad[4]., [1]Departamento de Bioquímica y Biología Molecular Universidad De Chile.[2]Instituto de Química de los recursos naturales Universidad De Talca.[3]Departamento de Morfo-función, Escuela de medicina, Universidad Diego Portales.[4]Escuela de medicina Universidad De Talca. (Sponsored by Programa De Excelencia De Investigación En Química Y Bioorgánica De Recursos Naturales (PIEI-QUIM-BIO), Universidad De Talca)

108) **Cx43 hemichannels play a critical role in neuroinflammatory responses promoted by prenatal stress or epilepsy**

Maturana, Carola[1]., Lagos, Carlos[2]., Sáez, Juan[1]., [1]Fisiología, Ciencias Biológicas, Pontificia Universidad Católica De Chile. [2]Endocrinología, Medicina, Pontificia Universidad Católica De Chile. (Sponsored by Acelerador UC PMIPUC1206 And P09-022-F From ICM-ECONOMIA Grants)

109) **Effect of supraphysiological aldosterone level on adipogenesis of human liposarcoma cell line SW872**

Fuentes-Zuñiga, Cristobal[1]., Gonzalez-Gomez, Luis Martin[1]., Allende, Fidel[2]., Fuentes-Ibacache, Nataly[1]., Ortiz-Canales, David[1]., Campino, Carmen[1,5]., Carvajal, Cristian[1,5]., Cifuentes, Mariana[3]., Solari, Sandra[2]., Owen, Gareth[4]., Kalergis, Alexis[5]., Lagos, Carlos[1,5]., Vecchiola, Andrea[1,5]., Fardella, Carlos[1,5]., [1]Department of Endocrinology, School of Medicine, Pontificia Universidad Catolica de Chile.[2]Department of Clinical Laboratories, School of Medicine, Pontificia Universidad Catolica

de Chile.[3]Institute of Nutrition and Food Technology (INTA) Universidad de Chile.[4]Department of Physiology, Faculty of Biological Sciences, Pontificia Universidad Catolica de Chile.[5]IMII Millennium Institute on Immunology and Immunotherapy. (Sponsored by Supported By Proyecto SOCHED 13-6, IMII P09/016-F, CORFO 13CTI-21526-P1 And FONDECYT 1150437 & 1130427 Grants.)

110) **Environmental enrichment alters the expression of hypothalamic genes associated with food intake**
Hernández, Sergio[1]., Guzmán, Luis[1]., Kerr, Bredford[2]., [1]Laboratorio de Biología Centro de Estudios Científicos-CECs, Universidad Austral de Chile. [2]Laboratorio de Biología Centro de Estudios Científicos-CECs. (Sponsored by Fondecyt 1140162, PFB 01/2007)

111) **Cold stress decreases serotonin release in rat paraventricular nucleus**
Jara, Pablo[1]., Lara, Hernán[2]., Espinosa, Pedro[3]., Sotomayor-Zárate, Ramón[3]., [1]Laboratorio de Farmacología, Facultad de Química y Biología, Universidad de Santiago De Chile. [2]Laboratorio de Neurobioquímica, Facultad de Ciencias Químicas y Farmacéuticas , Universidad de Chile. [3]Laboratorio de Neuroquímica y Neurofarmacología , Facultad de Ciencias, Universidad de Valparaíso.

112) **Individual susceptibility to obesity and the role of the orexin and dynorphin peptides.**
Perez-Leighton, Claudio[2,1]., Gac, Lily[2]., Mella, Ricardo[2]., Ramirez, Beatriz[2]., [1]Department of Food Science And Nutrition University of Minnesota.[2]Facultad de Medicina Universidad Andres Bello. (Sponsored by Proyecto CONICYT PAI 8230017, Proyecto FONDECYT REGULAR 1150274, Proyecto Interno UNAB DI-523-14/R)

113) **Amyloid-β peptide increases P2X2 receptor levels, modifying the intracellular distribution of Fe65 which affects the amyloidogenic pathway**
Godoy, Pamela[1]., Barra, Karen[1]., Silva-Grecchi, Tiare[1]., Fuentealba, Jorge[1]., [1]Physiology, Biological Sciences, Universidad De Concepción. (Sponsored by This Work Has Been Funded By The FONDECYT Project 1130747.)

114) **Effect of dichlorvos in spatial learning and memory during the ontogeny of Sprague-Dawley rats**

Pancetti, Floria[1]., **Gámiz, Fernando[1]**., [1]Ciencias Biomédicas, Medicina, Universidad Católica Del Norte. (Sponsored by This Research Was Supported By The FONDECYT Postdoctoral Grant Nº 3140437 And FONDECYT Regular Grant N° 1140856)

115) **Vulnerability of dopaminergic neurons following recurrent metabolic insults: effects of perinatal asphyxia in organotypic cultures.**

Sehrt-Uribe, M., Pérez-Lobos R., Palacios, E., Bustamante, D., Morales, P., Herrera-Marschitz, M. Millenium Institute BNI-Chile; Programme of Molecular & Molecular Pharmacology, ICBM, Medical Faculty, University of Chile, Santiago, Chile.

116) **Regulation of voltage sensing structures of cav1.2 calciumchannel by the auxiliary b-subunit (β3)**

De Giorgis, Daniela[2]., Contreras, Gustavo[2]., Savalli, Nicoletta[1]., Navarro-Quezada, Nieves[2]., Gonzalez, Carlos[2].,Olcese, Riccardo[1].,Neely, Alan[2].,[1]Department of Anesthesiology, Division of Molecular Medicine, David Geffen School of Medicine, University of California.[2]Centro Interdisciplinario de Neurociencias de Valparaíso, Ciencias, Universidad De Valparaíso. (Sponsored by FONDECYT 1120802 And ACT1104 (GC), NIH.R01GM110276 (RO). The Centro Interdisciplinario De Neurociencia De Valparaíso Is A Millennium Institute Supported By The Millennium Scientific Initiative Of The Chilean Ministry Of Economy, Development And Tourism.)

117) **Role of cytoskeleton and RhoA in regulation of Gap Junction Channels and Hemichannels**

Jara, Oscar[1]., Maripillán, Jaime[1].,Momboisse, Fanny[1]., García, Isaac[1]., Pinto, Bernardo[1]., Cárdenas, Ana María[1]., González, Carlos[1]., Martínez, Agustin[1]., [1]Centro Interdisciplinario de Neurociencias de Valparaíso, Facultad de Ciencias, Universidad De Valparaíso.

118) **KCNN4 Attenuates Chronic Allergic Asthma Features in an Ovalbumin Mouse Model**

Philp, Amber[1,2]., Flores, Carlos[2]., [1]Bioquimica, Facultad de Ciencia, Universidad Austral De Chile. [2]Biología Centro de Estudios Cientificos.

119) **Molecular determinants involved in cold and menthol sensitivity of the TRPM8 channel**

Rivera, Bastián[1]., González , Alejandro[1]., Tralma, Karina[1]., Salas, Jeremy[1]., Madrid, Rodolfo[1]., Pertusa, María[1]., [1]Biología, Química y Biología, Universidad De Santiago De Chile. (Sponsored by Supported By FONDECYT 11130144 (MP), 1131064 (RM), And CONICYT ACT-1113 (RM, MP).)

120) **Characterization of chaos in a bursting neuronal model and its interaction with noise.**

Caviedes, Mauricio[1]., Maidana, Jean Paul[1]., Quero, Daniel[2]., Aguirre, Pablo[2]., Orio, Patricio[1]., [1]Centro Interdisciplinario de Neurociencia de Valparaíso, Facultad de Ciencias, Universidad de Valparaíso. [2]Departamento de Matemática Universidad Técnica Federico Santa María. (Sponsored by Supported By Grants Fondecyt 1130862(PO), Fondecyt 3130497(PA), ACT-1103(PA), ACT-1104(PO), ACT-1113(PO), FB0008(PO), PFB03(PA). The Centro Interdisciplinario De Neurociencia De Valparaíso (CINV) Is A Millennium Institute Supported By The Millennium Scien)

121) **Comparative study in porcine model anesthesia isofluorane/oxygen with and without acute alcohol administration**

MONTERO, EDSON[1]., ARANGUIZ, MACARENA[1]., AVENDAÑO, CINTIA[2]., CONTRERAS, ENRIQUE[3]., SEPULVEDA, MARIA[4]., [1]FARMACOLOGIA, FACULTAD DE MEDICINA VETERINARIA, Universidad San Sebastián. [2]LABORATORIO CLINICO, FACULTAD DE CIENCIAS DE LA SALUD, Universidad San Sebastián. [3]FARMACOLOGIA, FACULTAD DE MEDICINA, Universidad Católica De La Santísima Concepción. [4]FARMACOLOGIA, FACULTAD DE CIENCIAS BIOLOGICAS, Universidad De Concepción. (Sponsored by USS2011-00007-R)

122) **Triphenylphosphonium alkyl derivatives of gallic acid decrease tumor growth in vivo: potentiation with doxycycline.**

Peredo-Silva, Liliana[1]., Castro-Castillo, Vicente[2]., Saavedra-Olavarría, Jorge[2]., Pavani, Mario[1]., Ferreira-Parker, Jorge[1]., [1]Departamento de Farmacología, Facultad de Medicina, Universidad De Chile. [2]Departamento de Química, Facultad de Ciencias Básicas, Universidad Metropolitana De Ciencias De La Educación.

19:00-20:00 PLENARY LECTURE
Salón: Salón Bahía 1 y 2
Preside: Georgina M. Renard

STRESS AND THE BRAIN: FROM ADAPTATION TO DISEASE
De Kloet, Ron[1]., [1]Endocrinology and Metabolic Disease, Medicine, Leiden University Medical Center. (Sponsored by Royal Netherlands Academy Of Arts And Sciences)

20:00-21:00 ASAMBLEA DE SOCIOS SOCIEDAD CHILENA DE NEUROCIENCIA
Salón: Bahía 1

20:00-21:00 ORAL COMMUNICATIONS
Salón: Bahía 2
Mesa: Ramón Sotomayor-Zárate
Pablo Jara Picas

20:00-20:15 **ENDOTHELIAL CELLS DIFFERENTIATED FROM MESENCHYMAL CELLS ISOLATED FROM WHARTON'S JELLY PROMOTE TISSUE REGEN ERATION IN HYPERGLYCEMIC MOUSE.**
Ormazábal, Valeska[1]., Camila, Reyes[5]., Aguilera, Valeria[5]., Maura, Rafael[2]., Toledo, Jorge Roberto[2]., Zuñiga, Ferlipe[5]., Radojkovic, Claudia[5]., Escudero, Carlos[3,4]., **Aguayo, Claudio [5,4]**.,
[1]Departamento de Farmacología, Facultad de Ciencias Biológicas, Universidad De Concepción. [2]Departamento de Fisiopatología, Facultad de Ciencias Biológicas, Universidad De Concepción. [3]Departamento de Ciencias Basicas, Facultad de Ciencias, Universidad del Bio-Bio. [4]Group of Research and Innovation in Vascular Health (GRIVAS Health).[5]Departamento de Bioquímica Clínica e Inmunología, Facultad de Farmacia, Universidad De Concepción.

20:15-20:30 **INHIBITION OF ETHANOL POTENTIATION OF GLYCINE RECEPTOR BY SMALL MOLECULES. *IN VITRO* AND *IN VIVO* STUDIES**

Guzman, Leonardo[1]., San Martín, Loreto[1]., Aguayo, Luis[1]., Jin, Chunyang[2]., Jimenez, Verónica[3]., Cerda, Fabián[1]., [1]Fisiología, Ciencias Biológicas, University of Concepcion. [2]Center for Drug Discovery, Research Triangle Park, Research Triangle Institue. [3]Departamento de Ciencias Químicas Universidad Andres Bello.

20:30-20:45 **CONFORMATION-SPECIFIC MODULATION OF SYNAPTIC A3-CONTAINING GLYCINE RECEPTORS OF THE SPINAL DORSAL HORN ALLEVIATES CHRONIC INFLAMMATORY PAIN.**

Yévenes, Gonzalo[1]., Acuña, Mario[2]., Ralvenius, William[2]., Di Lio, Alessandra[2]., Lara, Cesar[1]., Muñoz, Braulio[1]., Burgos, Carlos[1]., Moraga-Cid, Gustavo[3]., Corringer, Pierre-Jean[3]., Zeilhofer, Hanns[2]., [1]Department of Physiology Universidad De Concepción. [2]Institute of Pharmacology and Toxicology University of Zurich. [3]Institute Pasteur Institute Pasteur.

20:45-21:00 **REDUCTION OF ACUTE ANTHRACYCLINE CARDIOTOXICITY THROUGH THE DECREASE OF THE OXIDATIVE INJURY IN PATIENTS WITH BREAST CANCER.**

Carrasco, Rodrigo[1]., Florenzano, Fernado[2]., Rodrigo, Ramón[3]., Gormaz, Juan Guillermo[4]., [1]Laboratorio de Investigación Biomedica. Departamento de Medicina Interna. Sede Oriente., Facultad de Medicina, Universidad De Chile.[2]Departamento de Medicina Interna, Sede Oriente., Facultad de Medicina, Universidad De Chile. [3]Programa de Farmacología Molecular y Clínica, Instituto de Ciencias Biomédicas., Facultad de Medicina, Universidad De Chile. [4]Programa de Farmacología Molecular

y Clínica, Instituto de Ciencias Biomédicas, Facultad de Medicina, Universidad De Chile.

THURSDAY, September 24.

9:00-11:00 SYMPOSIUM: ***Extrinsic and intrinsic signals that modulate brain fetal/neonatal programming***.
Chair: Paola Haeger
Salón: Bahía1

9:00-9:30 **NEUROIMMUNE AND NEUROVASCULAR EFFECTS OF 3RD TRIMESTER ETHANOL EXPOSURE**
Valenzuela, Carlos[1]., Topper, Lauren[1].,Welch, Jason[1]., Mayfield, Jacob[1]., [1]Neurosciences, Medicine,

University of New Mexico Health Sciences Center.

9:30-10:00 **ROLE OF REACTIVE OXYGEN SPECIES IN THE ALCOHOL-DEPENDENT COGNITIVE DEFICIT IN RATS EXPOSED TO ETHANOL IN UTERO.**
Haeger, Paola[1]., Contreras, Marcela[1]., Cortés, Paulina[1]., Muñoz, Daniela[1]., De La Fuente, Erwin[1]., [1]Departamento Ciencias Biomédicas, Facultad de Medicina, Universidad Católica del Norte.

10:00-10:30 **GESTATIONAL CHRONODISRUPTION IMPAIRS HIPPOCAMPAL EXPRESSION OF NMDA RECEPTOR SUBUNITS AND SPATIAL MEMORY IN THE ADULT OFFSPRING**
Torres-Farfan, C[1]., Vilches, Nelson[2]., Spichiger , Carlos[1]., Mendez, Natalia[1]., Richter, Hans[1]., [1]Instituto de Anatomía, Histología y Patologia, Medicina, Universidad Austral De Chile. [2]Fisiopatologia, Medicina, Universidad de Chile

10:30-11:00 **EFFECTS OF METABOLIC INSULT ON THE POSTNATAL NEUROGENESIS AND BEHAVIOR**.

Morales, Paola[1,2]., Esmar, Daniela[1]., Tapia-Bustos, Andrea[1]., Espina-Marchant, Pablo[1]., Gutiérrez-Hernández, Manuel[1]., Rubio, Mariana[1]., Rojas-Mancilla, Edgardo[1]., Pérez-Lobos, Ronald[1]., Palacios, Esteban[1]., Serth, Marcos[1]., Muñoz, Valentina[1]., Lespay, Carolyne[1]., Bustamante, Diego[1]., Herrera-Marschitz, Mario[1]., [1]BNI, Programme of Clinical & Molecular Pharmacology, Medical Faculty, ICBM, University of Chile. [2]Programme of Clinical & Molecular Pharmacology, Medical Faculty, ICBM, University of Chile.

9:00-11:00 SYMPOSIUM : ***Physiological and structural insights of ion channels and membrane receptors.***

Chair: Claudio Coddou.
Salón: Bahía 2

9:00-9:30 **INTRACELLULAR ATP REGULATION OF THE EXTRACELLULAR ATP GATED P2X2 RECEPTOR CHANNEL**

Coddou, C[1]., [1]Departamento de Ciencias Biomédicas, Facultad Medicina, Universidad Católica Del Norte

9:30-10:00 **NEW INSIGHTS ON TRPV1 CHANNELS AS MODULATORS OF SYNAPTIC FUNCTION.**

Chávez, A[1]., [1]Universidad de Valparaíso.

10:00-10:30 **PHARMACODYNAMIC INSIGHTS OF** B**-ADRENERGIC MECHANISMS: FROM CRYSTALS TO FUNCTION, A TALE FOR ALL CELLS/RECEPTORS**

Garcia-Huidobro, J[1]., [1]Biologia, Química y Biología, Universidad De Santiago De Chile.

10:30-11:00 **TRP CHANNELS IN NEURONAL PHYSIOLOGY AND PATHOLOGY**
Leiva, E[1]., [1]Departamento de Biología, Facultad de Química y Biología, Universidad de Santiago de Chile.

11:00-11:30 COFFEE BREAK
Salón: Bahía 3

11:30-12:30 PLENARY LECTURE
Salón: Bahía 1 y 2
Preside: Ramón Sotomayor-Zárate

New Signaling Mechanisms in the Actions of Amphetamine

TORRES, G[1]., [1]Pharmacology, Associate Professor, University of Florida.

12:30-14:30 LUNCH AND POSTER SESSION II

Paneles Día Jueves 24 de Septiembre de 2015

Coordinadores: Miguel Reyes-Parada
Rodrigo L. Castillo
Marcelo González

1) **A novel competitive antagonist nAChR α4β2, ((S)-1-methylpyrrolidin-2-yl) methyl benzoate, reduces ethanol intake in UChB bibulous rats.**
Quiroz, Gabriel[1].,Sotomayor-Zarate, Ramon[2]., Quintanilla, Maria Elena[3]., Reyes-Parada, Miguel[4]., **Iturriaga-Vasquez, Patricio[5]**., [1]Programa de Doctorado en Farmacología, Facultad de Ciencias Químicas y Farmacéuticas, Universidad De Chile. [2]Centro de Neurobiología y Plasticidad Cerebral, Facultad de Ciencias, Universidad De Valparaíso. [3]Instituto de Ciencias Biomedicas, Facultad de Medicina, Universidad De Chile. [4]Escuela de Medicina, Faculatd de Ciencias Medicas, Universidad De Santiago De Chile. [5]Ciencias Quimicas y Recusos Naturales, Facultad de Ingenieria y Ciencias, Universidad De La Frontera. (Sponsored by FONDECYT N° 1150615 (PIV), 1130185 (MRP), 1130012 (MEQ), CONICYT National PhD Scholar Fellowship (GQ))

2) **Behavioral characterization of the acute effects in rats of 2,4-DMA (2,4-dimethoxyamphetamine) as precursor of atypical psychotropic derivatives.**
Klagges-Troncoso, Jorge[1,2]., Burgos-Villaseca, Jorge[1,3]., Benavente-Schonhaut, Sofia[1,2]., Malhue-Olmos, Valeska[1,2]., Hernández, Alejandro[4]., Burgos, Hector[5]., Castro-Castillo, Vicente[6]., Sáez-Briones, Patricio[1,2].,[1]Laboratory of Neuropharmacology and Behavior, Faculty of Medical Sciences, Universidad De Santiago De Chile. [2]School of Medicine, Faculty of Medical Sciences, Universidad De Santiago De Chile.[3]Department of Biology, Faculty of Basic Sciences, Universidad Metropolitana De Ciencias De La Educación.[4]Laboratory of Neurobiology, Faculty of Chemistry and Biology, Universidad De Santiago De Chile.[5]School of Psychology, Faculty of Social Sciences, Universidad Central.[6]Department of Chemistry, Faculty of Basic Sciences, Universidad Metropolitana De Ciencias De La Educación.
(Sponsored by DICYT-USACH Grant 021401SB And DICYT-USACH Grant For Undergraduate Students 2014-JKT)

3) **Rats exposed prenatally to valproate display decreased colonic permeability to macromolecules.**
Olavarría-Ramírez, Loreto[1]., Moyano-Porcile, Valentina[1]., González-Arancibia, Camila[1]., Díaz-Zepeda, Camilo[1]., Valencia, Martina[2]., Aliaga, Esteban[2]., Bravo, Javier[1]., Julio-Pieper, Marcela[1]., [1]Grupo de NeuroGastroBioquímica, Laboratorio de Química Biológica. Instituto de Química, Facultad de Ciencias, Pontificia Universidad Católica De Valparaíso.[2]Laboratorio de Neurociencias, Escuela de Kinesiología, Facultad de Ciencias, Pontificia Universidad Católica De Valparaíso. (Sponsored by Funding: PUCV DI 037.302/2013, Conicyt 79112017 And Fondecyt 1130213)

4) **Early-life dysbiosis in infant sprague-dawley rats: effect on anxiety-like behaviors and plasma corticosterone levels**
Ponce- Guequen, Excequel[1]., Barrera-Bugeño, Camila[1]., Eyzaguirre-Velasquez, Johana[1]., Escobar-Luna, Jorge [1]., Olavarría-Ramirez, Loreto[1]., Gotteland, Martín[2]., Julio-Pieper , Marcela[1]., Bravo, Javier[1]., [1]Grupo de Neurogastrobioquímica, laboratorio de Química Biológica. , Instituto de Química, Facultad de Ciencias., Pontificia Universidad Católica De Valparaíso.[2]Departamento de nutrición. , Facultad de Medicina, Universidad De Chile.
(Sponsored by Funding: FONDECYT #1140776)

5) **Betamethasone treatment effect in patients with spastic paraparesis associated with HTLV-1 retrovirus.**

Valenzuela, Maria[1]., Alberti, Carolina[1]., Puente, Javier[1]., Quintremil, Sebastián[1]., Medina, Fernando[1]., Barriga, Andres[1]., Ramírez, Eugenio[2]., Cartier, Luis[3]., [1]Departamento de Bioquimica y Biologia Molecular, Ciencias Químicas y Farmacéuticas, Universidad De Chile. [2]Virología, Facultad de Medicina, Universidad de Chile. [3]Departamento de Ciencias Neurologicas, Facultad de Medicina, Universidad de Chile.
(Sponsored by Fondecyt 108 0396)

6) **Neonatal programming with Estradiol Valerate does not produce conditioned place preference to amphetamine in adult female rats**.

Sanguinetti, N[1]., Venegas, Francisca[1]., Espinosa, Pedro[1]., Renard, Georgina[1]., Sotomayor-Zárate, Ramón[1].,[1]Institute of Physiology, Faculty of Sciences, Universidad de Valparaíso. (Sponsored by This Work Was Supported By FONDECYT Project No. 11121205 For RS-Z)

7) **Amphetamine conditioned place preference and the vasopressinergic system: a study on male and female rats.**

Bahamondes, Carolina[1]., Ahumada, Catalina[1]., Silva, Roxana[1].,Cruz, Gonzalo[1]., Sotomayor-Zárate, Ramón[1].,Renard, Georgina[1].,[1]Centro de Neurobiología y Plasticidad Cerebral - Instituto de Fisiología, Facultad de Ciencias, Universidad De Valparaíso. (Sponsored by Financial Support: FONDECYT N° 11140065 To GMR And Committee For Aid And Education In Neurochemistry (CAEN), International Society For Neurochemistry (ISN).)

8) **Long-term effects of prenatal Fluoxetine on memory and motivation in adult male rat offspring.**

Tamburini, G[1]., Rubio, Francisco[2]., Moraga-Amaro, Rodrigo[1]., Diaz-Galarce, Raul[1]., Ampuero, Estibaliz[3]., Wyneken, Ursula[4]., Stehberg, Jimmy[5]., [1]Laboratorio de Neurobiología Universidad Andrés Bello. [2]Behavioral Neuroscience Research Branch, Intramural Research Program National Institute on Drug Abuse, National Institutes of Health, U.S..[3]Center for Biomedical Research, Faculty of Biological Sciences and Faculty of Medicine Universidad Andres Bello.[4]Laboratorio de Neurociencias, Centro de Investigaciones Biomédicas Universidad de los Andes.[5]Laboratorio de Neurobiología, Centro de Investigaciones Biomédicas, Facultad de Ciencias Biológicas and Facultad de Medicina Universidad Andrés Bello.

9) **Effects of the alkaloid gelsemine on recombinant glycine receptors.**
Marileo, Ana[1]., Lara, Cesar[1]., Burgos, Carlos[1]., Yévenes, Gonzalo[1]., [1]Department of Physiology Universidad De Concepción. (Sponsored by Supported By FONDECYT 1140515. Sponsored By Dr. Jorge Fuentealba A.)

10) **Modulation of spinal glycine receptors by the alkaloid gelsemine.**
Murath, Pablo[1]., Lara, Cesar[1]., Yévenes, Gonzalo[1].,[1]Department of Physiology Universidad De Concepción. (Sponsored by Supported By FONDECYT 1140515. Sponsored By Dr. Jorge Fuentealba A.)

11) **Toll-like-receptor (tlr4) induces an increase in proinflammatory cytokines and adhesion molecules in cardiac fibroblast and myofibroblast**
Anfossi, Renatto[1]., Humeres, Diego[1]., Boza, Pía[1]., Muñoz, Claudia[1]., Vivar, Raúl[1]., Díaz-Araya, Guillermo[1]., [1]FARMACOLOGÍA Y TOXICOLOGÍA, CIENCIAS QUÍMICAS Y FARMACÉUTICAS, Universidad De Chile. (Sponsored by FONDECYT Regular 1130300 (GDA). BECA GASTOS OPERACIONALES 21120406)

12) **Characterization of toxicity and antioxidant effects of selenium nanoparticles biosynthesized by Pantoea agglomerans in HUVEC.**
Haensgen , A.[1]., Saavedra, A.[1]., González, M.[1].,Rojas, S.[1]., Carrasco, I.[2]., Rodríguez, S.[3]., Rojas, C.[3]., [1]Physiology Universidad De Concepción. [2]Microbiology Universidad De Concepción. [3]CIPA Universidad De Concepción. (Sponsored by FONDEF CA12-I-10374 , Basal Conicyt-Regional R08C1002)

13) **Prolonged activation of connexin-formed hemichannels by angiotensin II-induced NADPH oxidase-mediated superoxide production in endothelial cells.**
Lazo, V[1]., Poblete, Inés[1]., Figueroa, Xavier[1]., [1]Departamento de fisiología, Facultad de ciencias biológicas, Pontificia Universidad Católica De Chile.

14) **NADPH oxidase regulation by polycystin-1 in cardiomyocytes**
Córdova-Casanova, A[1]., Olmedo, I[1].,Donoso, P[1]., Sánchez, G[1]., Pedrozo, Z[1,2]., [1]Instituto de Ciencias Biomédicas, Facultad de Medicina, Universidad De Chile. [2]Advanced Center for Chronic Diseases (ACCDiS), Facultad de Medicina, Universidad De Chile. (Sponsored by Fondecyt 1150887,

1130407, 3140449. Programa U-Inicia Concurso De Reforzamiento De Inserción Productiva De Nuevos Académicos VID 2014 Universidad De Chile, FONDAP 15130011)

15) **Effect of oxHDL on the expression and distribution of endothelial proteins involved in coagulation and fibrinolysis.**
Pérez, Lorena[1]., Simon, Felipe[1,2].,[1]Departamento de Ciencias Biológicas, Facultad de Ciencias Biológicas y Medicina, Universidad Andrés Bello.[2]Millennium Institute on Immunology and Immunotherapy Santiago, Chile. (Sponsored by Fondecyt 1121078 And MII P09-016-F)

16) **Inhibition of signal transducer and activator of transcription 3 expression induces ALK-5-dependent SMAD4 mobilization in endothelial cells.**
Rojas, Macarena[1]., Becerra, Alvaro[1]., Simon, Felipe[1,2]., [1]Ciencias biológicas, Ciencias biológicas, Universidad Andrés Bello.[2]IMII Millennium Institute on Immunology and Immunotherapy. (Sponsored by Fondecyt 1121078 And MII P09-016-F)

17) **The inhibition of endoplasmic reticulum stress do not reverts the fetoplacental endothelial dysfunction in maternal obesity.**
Saavedra, Andrea[1]., Rojas, Susana[2]., Valdivia, Luz[1]., Haensgen, Astrid[2]., Cid , Marcela[3]., Gonzalez, Marcelo[1]., Farias, Marcelo[4]., [1]Fisiología , Ciencias Biologicas., Universidad De Concepción. [2]fisiologia, ciencias biologicas, Universidad De Concepción.[3]Obstetricia, Medicina, Universidad De Concepción.[4]Obstetricia y Ginecología, Medicina, Pontificia Universidad Católica De Chile. (Sponsored by FONDECYT 1121145, 11100192.)

18) **Allosteric regulation of arginase II by inhibitors of NO synthesis. A new mechanism of regulation of NO synthesis in hypertensive processes?**
Taborda, María[1]., Betancur, Johana[1]., Moraga, Fernando[1]., López, Vasthi[1]., [1]Ciencias Biomédicas, Medicina, Universidad Católica Del Norte. (Sponsored by This Investigation Was Made With Funding From The Regional Government And The FIC R 30137774-0 Project.)

19) **Comparative study of the protein expression and activity of inflammasome NLRP3 in cardiac fibroblast and myofibroblast.**
Tapia, Felipe[1]., Boza, Pia[1]., Díaz, Guillermo[1]., [1]Departamento de Farmacología y Toxicología, Ciencias Químicas y Farmacéuticas, Universidad De Chile. (Sponsored by Project FONDECYT 1130300. Sponsor Guillermo Díaz.)

20) **Participation of signal transducer and activator of transcription 3 in fibrosis of vascular endothelial cells.**
Vallejos, Alejandro[1]., Rojas, Macarena[1]., Becerra, Álvaro[1]., Simon, Felipe[1,2]., [1]Departamento Ciencias Biológicas, Facultad de Ciencias Biológicas, Universidad Andrés Bello. [2]IMII Millennium Institute on Immunology and Immunotherapy. (Sponsored by Fondecyt 1121078 And MII P09-016-F)

21) **NADPH oxidase blockade reduces Snitrosylation and opening of Cx43 hemichannels improving heart contractility and rhythmicity in *mdx* mice**.
Vielma Z, Alejandra[1]., Boric P, Mauricio[1].,Gonzalez R, Daniel[2].,[1]Ciencias Fisiologicas, Ciencias Biologicas, Pontificia Universidad Católica De Chile.[2]Ciencias Basicas Biomedicas, Ciencias de la Salud, Universidad De Talca. (Sponsored by FONDECYT 1120595)

22) **Daily variation of salivary melatonin acute exposure to altitude of 3270 m.**
Tapia, Marcelo[1]., Wulff, Cristian[2]., Silva, Juan[2]., De Gregorio , Nicole[3]., Behn, Claus[3]., [1]Kinesiologia, Ciencias de la Salud, Universidad De Antofagasta. [2]Biomédico, Ciencias de la Salud, Universidad De Antofagasta. [3]ICBM, Facultad de Medicina, Universidad De Chile.

23) **Low birth weight children associate low 11BHSD2 activity and high lipocaline-2/ NGAL**
Carvajal, C[1]., Tapia-Castillo, Alejandra[2]., Lizama-Gonzalez , Jaime[1]., Valdivia, Carolina[1]., Villarzu, Paula[1]., Martinez-Aguayo , Alejandro[3]., Fardella, Carlos[1]., [1]Endocrinology, Medicine, Pontificia Universidad Católica De Chile. [2]Genetica, Medicina, Universidad Del Desarrollo. [3]Pediatria, Medicina, Pontificia Universidad Católica De Chile.

24) **Aldosterone stimulates immune markers expression related to steroid receptors activation in adipose LS14 but not in SW872 cell line**

Gonzalez-Gomez, Luis Martin[1]., Fuentes, Cristobal[1]., Allende, Fidel[2]., Fuentes-Ibacache, Nataly[1]., Ortiz-Canales, David[1]., Muñoz-Durango, Natalia[3]., Campino, Carmen[1,3]., Solari, Sandra[2]., Cifuentes, Mariana[4]., Carvajal, Cristian[1,3]., Kalergis, Alexis[3]., Lagos, Carlos[1,3]., Vecchiola, Andrea[1,3]., Fardella, Carlos[1,3]., [1]Department of Endocrinology, School of Medicine, Pontificia Universidad Catolica de Chile.[2]Department of Clinical Laboratories, School of Medicine, Pontificia Universidad Catolica de Chile.[3]IMII Millennium Institute on Immunology and Immunotherapy.[4]Institute of Nutrition and Food Technology (INTA), Universidad de Chile. (Sponsored by Supported By Proyecto SOCHED 13-6, CORFO 13CTI-21526-P1, FONDECYT 1150437 & 1130427, IMII P09/016-F Grants.)

25) **Expression of free fatty acid receptors 1 and 4 in bovine epithelial endometrial cells**

Hidalgo, Maria[1]., Larrazabal , Camilo[1].,Teuber, Stefanie[1]., Loncoman, Carlos[1]., Manosalva, Carolina[2].,Burgos, Rafael[1]., [1]Instituto de Farmacologia, Facultad de Ciencias Veterinarias, Universidad Austral De Chile.[2]Instituto de Farmacia, Facultad de Ciencias , Universidad Austral De Chile. (Sponsored by Fondecyt 1151047, FONDEF ID14I10050 And DID-UACH S-2014-23)

26) **Ugni molinae extracts and its triterpenoids: modulatory effects on β-amyloid aggregation**

Jara, D[1]., Ana, Riveros[1].,Marcelo, Kogan[2].,Carla, Delporte[2].,[1]Química Farmacológica y Toxicológica, Ciencias Químicas y Farmacéuticas, Universidad De Chile.[2]Química Farmacológica y Toxicológica Universidad De Chile. (Sponsored by FONDECYT 1130155 Y 1130425, Beca CONICYT N°21130380)

27) **Structure-based virtual screening identification of a novel selective connexin hemichannel blocker.**

Lagos, Carlos F[1]., Fernandez, Paola[2].,Vargas, Anibal[2]., Perez-Acle, Tomás[3,4]., Sáez, Juan C[2,4].,[1]Department of Endocrinology, School of Medicine, Pontificia Universidad Católica de Chile.[2]Department of Physiology, Faculty of Biological Sciences, Pontificia Universidad Católica de Chile.[3]Computational Biology Lab (DLab) Fundacion Ciencia y Vida.[4]CINV Instituto Milenio Centro

Interdisciplinario de Neurociencia de Valparaíso. (Sponsored by Supported By FONDECYT Projects 1150291& 1130652, Programa De Financiamiento Basal PFB16 And ICM09-022-P Grants.)

28) **Linoleic acid increases cell migration, MMP-9 activity and MAPK phosphorylation in human keratinocytes.**
Manosalva, Carolina[1]., Mena, Jaqueline[2].,Burgos, Rafael[3].,Hidalgo, María Angélica[3]., [1]Institute of Pharmacy, Faculty of Science, Universidad Austral De Chile, Valdivia, Chile.[2]Department of Biology, Faculty of Exact and Natural Sciences , Universidad de Nariño, Pasto, Colombia.[3]Institute of Pharmacology, Faculty of Veterinary Science, Universidad Austral De Chile, Valdivia, Chile. (Sponsored by Financed By DID 2014-S13-UACh)

29) **Nitric oxide synthase, a target for polyphenols derived from the diet: a molecular approach to the French paradox.**
Mateluna, Carlos[1]., Calfío , Camila[1]., Huidobro-Toro, J Pablo[1]., Mascayano, Carolina[2]., [1]Departamento de Biologia, Facultad de Química y Biología, Universidad de Santiago de Chile. [2]Departamento de Ciencias del Ambiente, Facultad de Química y Biología, Universidad de Santiago de Chile. (Sponsored by Funded FONCECYT Grant 114-1132, FPB 087, CEDENNA)

30) **Effect of Simvastatin upon murine chronic Chagas cardiopathy therapy with benznidazole. Role of simvastatin on endothelial adhesion molecules**.
Gonzalez-Herrera, Fabiola., Castillo, Christian[1]., Liempi, Ana[1]., Kemmerling, Ulrike[1]., Maya, Juan[2]., [1]Programa de Anatomía y Biología del Desarrollo - ICBM, Facultad de Medicina, Universidad De Chile.[2]Programa de Farmacología Molecular y Clínica - ICBM, Facultad de Medicina, Universidad De Chile. (Sponsored by Proyectos FONDECYT: 1130189 (JDM), 1120230 (UK))

31) **The inhibition of proteasome prevents Mitofusin 2 and Miro 1 degradation in cardiomyocytes during ischemia -reperfusion.**
Olmedo, I[1]., Pino, G[1]., Anríquez, C[1]., Pedrozo, Z[1,2]., Donoso, P[1]., Sánchez, G[1]., [1]Instituto de Ciencias Biomédicas, Facultad de Medicina, Universidad De Chile. [2]Advanced Center for Chronic Diseases, Facultad de Medicina, Universidad De Chile. (Sponsored by FONDECYT Postdoctorado 3140449, FONDECYT 1150887, 1130407, FONDAP 15130011.)

32) **Participation of tlr4 in the antifibrotic response of kinins by an increase of pgi2 and nitric oxide levels in cardiac fibroblasts.**
Osorio, José Miguel[1]., Muñoz, Claudia[1]., Díaz-Araya, Guillermo[1]., [1]Química Farmacológica y Toxicológica, Facultad de Ciencias Químicas y Farmacéuticas, Universidad De Chile. (Sponsored by Fondecyt 1130300 - Beca CONICYT Doctorado Nacional 21120401)

33) **Effect of recurrent metabolic insults on organotypic cultures from asphyxia-exposed rat pups.**
Palacios, E[1]., Pérez-Lobos, R[2].,Lespay-Rebolledo, C[2].,Bustamante, D[3].,Morales, P[4].,Herrera-Marschitz, M[5].,[1]Farmacología Molecular y Clinica, Medicina, Universidad De Chile.[2]Programme of Molecular & Clinical Pharmacology, ICBM, Faculty of Medicine, Universidad De Chile.[3]Programme of Molecular & Clinical Pharmacology, ICBM, Medicine, Universidad De Chile.[4]Millenium Institute BNI-Chile, Programme of Molecular & Clinical Pharmacology, ICBM, , Medicine, Universidad De Chile.[5]Millenium Institute BNI-Chile; Programme of Molecular & Clinical Pharmacology, ICBM, medicine, Universidad De Chile. (Sponsored by Supported By Millennium Institute Initiative-Chile (BNI P09-015-F); FONDECYT (1120079, 1110263). The Excellent Technical Support From Mr. Juan Santibáñez, Mr. Alejandro Leiva And Ms. Carmen Almeyda Is Acknowledged.)

34) **Histone deacetylase inhibitors: Synthesis, docking and citotoxicity of thiazolylcoumarins derivatives.**
Pardo-Jiménez, Viviana[1]., Díaz-Araya, Guillermo[2]., Navarrete-Encina, Patricio[3]., [1]Química Orgánica y Fisicoquímica, Química Farmacológica y Toxicológica, Ciencias Químicas y Farmacéuticas, Universidad De Chile. [2]Química Farmacológica y Toxicológica, Ciencias Químicas y Farmacéuticas, Universidad De Chile. [3]Química Orgánica y Fisicoquímica, Ciencias Químicas y Farmacéuticas, Universidad De Chile. (Sponsored by Beca Doctorado Nacional Conicyt Nº 21140371)

35) **New semi-synthetic derivatives of natural catechins: antioxidant-anti-inflammatory activity and effect upon Helicobacter pylori carbonic anhydrase.**
Pastene, Edgar[1]., Parada, Víctor[1].,Torres, Eillen[2]., Avello, Marcia[1].,Alarcón, Julio[3].,Felipe, Zuñiga[4]., Ormazabal, Valeska[5]., Ariel, Saavedra[1].,Aranda,

Mario[6]., García, Apolinaria[2].,[1]Farmacia, Farmacia, Universidad De Concepción.[2]Microbiologia, Ciencias Biológicas, Universidad De Concepción.[3]Química, Ciencias Básicas, Universidad Del Bío-bío.[4]Bioquímica Clínica e Inmunología, Farmacia, Universidad De Concepción.[5]Farmacología, Ciencias Biológicas, Universidad De Concepción.[6]Ciencia y Tecnologia de Alimentos, Farmacia, Universidad De Concepción.

36) **Salsolinol, an alcohol-derived metabolite, acts as an agonist of the mu-opioid receptor.**

Rivera-Meza, Mario[1,2]., Berrios-Cárcamo, Pablo[1]., Herrera-Marschitz, Mario[1,2]., Quintanilla, María Elena[1]., [1]Programa de Farmacología Molecular y Clínica, Facultad de Medicina, Universidad De Chile.[2]Millenium Scientific Initiative Biomedical Neuroscience Institute. (Sponsored by Supported By: FONDECYT #11130241: BNI P09-015-F.)

37) **Anthocyanins from Aristotelia chilensis inhibit Olanzapine-induced adipogenesis in 3T3-adipocytes.**

Arena, Pamela[1]., Jara, Belen[1]., Cubillos-Robles, Karen[1].,Tordoya, Isis[1]., Gonzalez, Paula[1]., Rojo, Leonel[1]., [1]Laboratorio de Farmacología y Neurociencias, FACULTAD DE CIENCIAS DE LA SALUD, Universidad Arturo Prat. (Sponsored by Acknowledgements: This Project Was Funded By FODECYT Project N° 11140915)

38) **Ethyl acetate extracts of different Ugni molinae Turcz. genotypes able to inhibit α-glucosidase.**

Veas, Rubén[1]., Arancibia-Radich, Jorge[1]., Peña-Cerda, Marcelo[1]., Cortez, Giovanni[1]., Seguel, Ivette[2]., Delporte, Carla[1]., [1]Química Farmacológica y Toxicológica, Ciencias Químicas y Farmacéuticas, Universidad De Chile. [2]Instituto de Investigación Agropecuaria INIA, Carillanca, IX Región, Chile. (Sponsored by Acknowledgments: We Are Grateful To FONDECYT N° 1130155, CONICYT Grants N°21130672 And N°21120377, Chile. Thank You To INIA (Carillanca, Temuco) For The Genotypes.)

39) **FoxO1 is necessary for the cytoprotective effect induced by TGF-β1 in cardiac fibroblasts**.

Vivar, R[1]., Chiong, M[2]., Lavandero, S[2]., Díaz-Araya, G[2]., [1]Química Toxicológica y Farmacológica, Ciencias Químicas y Farmaceúticas, Universidad de Chile. [2]Advanced Center for Chronic Diseases Universidad De Chile. (Sponsored by Beca Postdoctoral 3130657 (RV); Fondecyt 1130300 (GDA); ACCDis (SL, MCh))

40) **Role of EPA/DHA over later stages of liver ischemia-reperfusion: antioxidant and antifibrotic effects.**
Zuñiga, Jessica[1]., Céspedes, Nicole[1].,Tamayo, Andrea[1].,Arenas, Hector[1].,[1]Laboratorio de Investigaciones Médicas, Escuela de Medicina, Universidad De Talca. (Sponsored by This Study Was Supported By The Internal Project I002974 (Dirección De Investigación, Universidad De Talca).)

41) **Neurochemical caracterization in cortico-striatal-thalamo-cortical circuit of Eaat3 heterozygous mice: role in neuropsychiatric disoders**
Gonzalez, Luis[2,3,1]., Espinosa, Pedro[1].,Sotomayor-Zárate, Ramon[1].,Moya, Pablo[2,3].,[1]Laboratorio de Neuroquímica y Neurofarmacología, Centro de Neurobiología y Plasticidad Cerebral, Instituto de Fisiología, Ciencias, Universidad De Valparaíso.[2]Laboratorio de Neurogenética, Instituto de Fisiología, Centro de Neurobiología y Plasticidad Cerebral, Ciencias, Universidad De Valparaíso.[3]Millennium Nucleus in Biology of Neuropsychiatric Disorders NU-MIND Universidad De Valparaíso. (Sponsored by This Work Was Funded By Millennium Nucleus NU-MIND NC 130011 (PRM) And FONDECYT Grants 1141272 (PRM) And 11121205 (RS-Z).)

42) **Generation of a novel genetic mouse model for Obsessive-Compulsive Disorder**
Moya, Pablo[1,2]., Utreras, Elias[3].,Martinez, Jonathan[1,2]., [1]Laboratorio de Neurogenética, Instituto de Fisiología, Centro de Neurobiología y Plasticidad Cerebral, Ciencias, Universidad De Valparaíso.[2]Millennium Nucleus in Biology of Neuropsychiatric Disorders NU-MIND Universidad De Valparaíso.[3]Biología, Ciencias, Universidad De Chile. (Sponsored by This Work Was Funded By Millennium Nucleus NU-MIND NC 130011 (PRM) And FONDECYT Grants 1141272 (PRM))

43) **Evaluation of the mGluR plasticity processes in the transgenic mice APPswe/ PS1δE9 and in the natural model of Alzheimer Disease *Octodon degus*.**
Valdivia, Gonzalo[1]., Salazar, Claudia[1].,Kirkwood, Alfredo[2].,Palacios, Adrián[2].,[1]Centro Interdisciplinario de neurociencia de Valparaíso Universidad De Valparaíso.[2]Mind/Brain Institute Johns Hopkins University. (Sponsored by Financial Support: Millennium Institute ICM-P09-022-F)

44) **Polymorphisms in ABCB1 and ABCC2 genes in patients with Drug-Resistant Epilepsy at Van Buren Hospital in Valparaíso, Chile**
Martinez, Jonathan[1,2]., Riquelme, Julio[1,2]., Saldias, Cristina[1]., Rodriguez, Luciana[1]., Moya, Pablo[1,2]., [1]Laboratorio de Neurogenética, Instituto de Fisiología, Centro de Neurobiología y Plasticidad Cerebral, Ciencias, Universidad De Valparaíso.[2]Millennium Nucleus in Biology of Neuropsychiatric Disorders NU-MIND Universidad De Valparaíso. (Sponsored by Funded By Millennium Nucleus NU-MIND NC 130011 (PRM))

45) **Amyloid-β oligomers induce redistribution of neuronal pSer727-STAT3 in rat primary hippocampal cultured**
Muñoz, Yorka[1].,Paula-Lima , Andrea[2].,Nuñez, Marco Tulio[2]., [1]Department of Biology, Faculty of Sciences, Universidad De Chile.[2]Institute for Research in Dental Sciences, Faculty of Dentistry, Universidad De Chile. (Sponsored by CONICYT Ph.D. Fellowship 21130445 (YM), Fondecyt 1150756 (APL) And Project ACT-1114 From PIA, CONICYT (MTN).)

46) **Early handling promotes resilience during childhood in prenatally stressed rats**
Pavez-Fox, Melissa[1]., Dagnino-Subiabre, Alexies[1].,[1]Laboratory of Behavioral Neurobiology, Center for Neurobiology and Brain Plasticity, Institute of Physiology, Faculty of Sciences, Universidad De Valparaíso. (Sponsored by This Work Was Funded By FONDECYT Grant N° 1141276 To AD-S. Labsite: Www.stress.cl)

47) **Is the excitatory amino acid transporter 3 implicated in schizophrenia dysfunction?**
Pérez, Miguel[1,2]., Morales, Camila[1,2]., Arriagada, Jorge[1,2]., Moya, Pablo[2,3]., Fuenzalida, Marco[1,2]. ,[1]Laboratorio de Plasticidad Neural, Instituto de Fisiología, Facultad de Ciencias, Universidad De Valparaíso. [2]Millennium Nucleus in Neuropsychiatric Disorders NU-MIND, Instituto de Fisiología, Facultad de Ciencias, Universidad De Valparaíso.[3]Laboratorio de Neurogenetica, Instituto de Fisiología, Facultad de Ciencias, Universidad De Valparaíso. (Sponsored by This Work Was Supported By Grants From Millennium Nucleus NU-MIND NC-130011 (M.F And P.R.M.), FONDECYT 1130614 (M.F.) And 1141272(P.R.M.).)

48) **Dietary n-6 PUFAs induces depressive-like behavior while n-3 has antidepressant effect in a rat model of depression.**

Pérez, Catherine[1]., Dagnino, Alexies[1]., [1]Laboratory of Behavioral Neurobiology, Center for Neurobiology and Brain Plasticity, Institute of Physiology, Faculty of Sciences, Universidad De Valparaíso. (Sponsored by This Work Was Funded By FONDECYT Grant N° 1141276 To AD-S. Labsite: www.stress.cl)

49) **Large scale integration mechanisms are differentially altered in conscious disorders.**

Rivera-Lillo, Gonzalo[1,2]., Egaña, Jose[3]., Díaz, Violeta[4]., Maldonado, Pedro[5]., [1]Kinesiología, Medicina, Universidad De Chile. [2]Laboratorio de Neurosistemas, Medicina, Universidad de Chile. [3]Anestesiología, Medicina, Universidad De Chile. [4]Neurología, Medicina, Universidad De Chile. [5]Fisiología, Medicina, Universidad De Chile. (Sponsored by Supported By ICM P10-001-F, P09-015-F Biomedical Neuroscience Institute And CONICYT For GR)

50) **Enhanced tracer coupling between striatal medium spiny neurons in a mouse model of Huntington's disease**

Rozas, Carlos[1]., Kadriu, Bashkim[2]., Chacon, Marcelo[2]., Shlomo, Dellal[2]., Faber, Donald[2]., [1]Biology, Chemistry and Biology, University of Santiago de Chile. [2]Neuroscience Albert Einstein College of Medicine, Yeshiva Univ.. (Sponsored by FONDECYT 11140430, CHDI Foundation A-5376)

51) **Beta-amyloid clearence on Alzheimer's Disease: Role of APEH on brain and cerebral-vascular function**

Sandoval, Rodrigo[1]., Moraga, Josefina[2].,Valenzuela, Javier[1].,Lamas, Guillermo[1]., Moraga, Fernando[1]., Pancetti, Floria[1]., [1]Ciencias Biomédicas, Medicina, Universidad Catolica del Norte.[2]Pedagogía Universidad Metropolitana De Ciencias De La Educación.

52) **ATP-mediated astroglial hyperexcitability in a rat model of chronic epilepsy.**

Wellmann, Mario[1]., Álvarez-Ferradas, Carla[1].,Sáez, Juan Carlos[2]., Bonansco, Christian[1].,[1]Instituto de Fisiología, CNPC, Facultad de Ciencias, Universidad De Valparaíso.[2]Departamento de Ciencias Fisiológicas, Facultad de Ciencias Biológicas, Pontificia Universidad Católica De Chile.

53) **The transcription factor NF-kB is translocated to the nucleus in epilepsy-related excitotoxicity.**
Corvalan, Katherine[1].,Gómez, Teresa[1].,Varas-Godoy, Manuel[2].,**Wyneken, U[3]**., [1]Centro Investigaciones Biomédicas Universidad De Los Andes.[2]CIB Universidad De Los Andes.[3]CIB, Medicina, Universidad De Los Andes. (Sponsored by Fondecyt 1140108)

54) **Plasma nanovesicles as potential biomarkers of stress-induced depressive behaviors**
Gomez, Cristobal[1].,Ramirez, Juan Pablo[1].,**Wyneken, U[1]**., [1]CIB, Medicina, Universidad De Los Andes. (Sponsored by Fondecyt 1140108)

55) **Metabolic and gene expression changes underlying axonal regeneration during diapause.**
Caneo, Mauricio[1]., Alkema, Mark[2].,Calixto, Andrea[1].,[1]CENTRO DE GENOMICA, BIOLOGIA, Universidad Mayor.[2]NEUROBIOLOGY University of Massachusetts Medical School.

56) **Effects of voluntary exercise on spatial and object recognition memory of octodon degus during aging.**
Salazar, Claudia[1]., Palacios, Adrian [1].,[1]Centro Interdisciplinario de Neurociencia de Valparaíso, Ciencias, Universidad De Valparaíso. (Sponsored by Millennium Institute ICM-P09-022-F)

57) **Rat olfactory sensory neurons cilia incorporate glucose and may take it from the mucus to use as complementary energy source for odor transduction**
Bacigalupo, Juan[1]., Villar, Pablo[1]., Blanchard, Kris[1]., Villalobos, Daniela[1]., Delgado, Ricardo[1]., Vergara, Cecilia[2]., Reyes, Juan[3]., [1]Biologia, Ciencias, Universidad de Chile.[2]Biologia, Ciencias, Universidad Central de Chile. [3]Instituto de Química, Ciencias, Pontificia Universidad Católica de Valparaíso. (Sponsored by FONDECYT 1140520)

58) **Chronic phenytoin treatment enhances rat petrosal ganglion responses to acetylcholine**
Ortiz, Ignacio[1]., Vera, Jorge[1]., Alcayaga, Julio[1]., [1]Biología, Ciencias, Universidad De Chile. (Sponsored by Supported By Grant FONDECYT 1130177)

59) **Role of TRPM8 channels in the altered sensitivity to cold of corneal mice primary sensory neurons caused by axonal damage.**

Piña, R[1,2]., Campos, Matías[1]., Ugarte, Gonzalo[1]., González, Alejandro[1]., Bacigalupo, Juan[2]., Madrid, Rodolfo[1]., [1]Departamento de Biología, Facultad de Química y Biología. Laboratorio de Neurociencias, Universidad de Santiago de Chile.[2]Departamento de Biología, Facultad de Ciencias. Laboratorio de Fisiología Celular, Universidad de Chile. (Sponsored by Grants CONICYT Anillo ACT-1113 (RM, GU), FONDECYT 1131064 (RM), 1140520 (JB) And CONICYT PhD Fellowship And Grant 21110327 (RP).)

60) **Chronic phenytoin treatment reduces rat ventilatory responses to acute hypoxia**

Pino, Gabriela[1]., Montero, Pablo[1]., Alcayaga, Julio[1]., [1]Laboratorio de Fisiología Celular, Ciencias, Universidad De Chile. (Sponsored by Supported By Grant FONDECYT 1130177)

61) **Pannexin 1 modulates the function of the supporting cells of the Organ of Corti.**

Prado, Pavel[1]., Jara, Oscar[1]., Flores, Carolina[1]., Maripillán, Jaime[1]., Martínez, Agustín[1]., [1]Centro Interdisciplinario de Neurociencia de Valparaíso, Facultad de Ciencias, Universidad De Valparaíso. (Sponsored by Work Supported By FONDECYT 3150442 To PP, FONDECYT 1130855 And ANILLO-ACT1104 To ADM. The Centro Interdisciplinario De Neurociencias De Valparaíso Is A Chilean Millennium Institute (P09-022-F))

62) **Direction seletivity in a network of non-homogeneous Starbust Amacrine Cells (SAC)**

Salgado, Simon[1]., Castro, Samy[1].,Escobar, María José[2].,Orio, Patricio[1].,[1]Centro Interdisciplinario de Neurociencia de Valparaiso, Facultad de Ciencias, Universidad De Valparaíso.[2]Departamento de Electrónica Universidad Técnica Federico Santa María. (Sponsored by Supported By Grants Fondecyt 1130862, 1140403, ACT-1104, ACT-1113, FB0008. The Centro Interdisciplinario De Neurociencia De Valparaíso (CINV) Is A Millennium Institute Supported By The Millennium Scientific Initiative Of The Ministerio De Economía (Chile))

63) **Effects of cannabinoid receptor activation in OFF bipolar cells activity**
Vielma, Alex[1,2]., Schmachtenberg, Oliver[2].,Chávez, Andrés[2].,Fuenzalida, Marco[1].,[1]Centro de Neurobiología y Plasticidad Cerebral, Facultad de Ciencias, Universidad De Valparaíso.[2]Centro Interdisciplinario de Neurociencia de Valparaíso, Facultad de Ciencias, Universidad De Valparaíso.
(Sponsored by Postdoctoral FONDECYT #3140599 (AV), Regular FONDECYT #1120513 (OS), #1130614 (MF), And #1151091 (AEC). Millennium Institute CINV (OS, AEC) And Millennium Nucleus NU-MIND NC-130011 (AEC, MF).)

64) **Sodium Potassium Chloride co-transporter 1 (NKCC1) is responsible of high excitability in chronic epilepsy in adult rats**
Lara, Marcelo[1]., Lorca, Enrique[1]., Rojas, Patricio[1]., [1]Biología, Química y Biología, Universidad De Santiago De Chile.

65) **The structure of the axon initial segment correlates with basal firing rate in substantia nigra dopaminergic neurons**
Meza, R[1]., Oñate, Alejandro[2]., Henny, Pablo[2]., [1]Anatomia Normal, Medicina, Pontificia Universidad Católica De Chile. [2]Anatomia, Medicina, Pontificia Universidad Católica De Chile. (Sponsored by Funded By FONDECYT 1171140 And ANILLO ACT-1109 Grants To P.H. And CONICYT Graduate Scholarship To R.M.)

66) **Serotonin induces inhibitory long-lasting depression by activation of presynaptic 5-HT1 receptors**
Morales, Koyam[1,2]., Moya, Pablo[3,2]., Fuenzalida, Marco[1,2]., [1]Laboratorio de plasticidad neural, Facultad de Ciencias, Universidad De Valparaíso. [2]Millennium Nucleus in Neuropsychiatric Disorders NU-MIND, Facultad de Ciencias, Universidad De Valparaíso. [3]Laboratorio de Neurogenética, Facultad de Ciencias, Universidad De Valparaíso. (Sponsored by This Work Was Supported By Grants From Millennium Nucleus NU-MIND NC-130011 (M.F And P.R.M.), FONDECYT 1130614 (M.F.) And 1141272 (P.R.M.).)

67) **The effect of a reduced sAHP-conductance on the glutamatergic synaptic plasticity of kindled rats**
Morales, Juan[1,2]., Fuenzalida, Marco[1,2,3]., Bonansco, Christian[1,2]., [1]Instituto de Fisiología, Facultad de Ciencias, Universidad De Valparaíso. [2]Centro de neurobiología y plasticidad cerebral, Facultad de Ciencias, Universidad De Valparaíso. [3]Millennium

Nucleus NU-MIND, Facultad de Ciencias, Universidad De Valparaíso. (Sponsored by Funding: 1130491 (CB) And 1130614 (MF) From FONDECYT, Millennium Nucleus NU-MIND NC-130011 (M.F.), CID 1/2006 From DIPUV (CNPC), UVA 0804 2010 (JM) MECESUP.)

68) **The neurovascular coupling-initiated astrocyte Ca^{2+} signal is mediated by sequential glutamate metabotropic and NMDA receptor activation**
Muñoz, Manuel[1]., Puebla, Mariela[1]., Figueroa, Xavier[1]., [1]Departamento de Fisiología, Facultad de Ciencias Biológicas, Pontificia Universidad Católica De Chile.

69) **Hipercarbic acidosis induce ATP release from brainstem astrocytes in culture**
Olivares, María José[1]., Donoso, María Veronica[1]., Huidobro-Toro, Juan Pablo[1]., Llona, Isabel[1].,Eugenín, Jaime[1].,[1]Departamento de Biología, Facultad de Química y Biología, Universidad De Santiago De Chile. (Sponsored by Fondecyt Regular #1130874 Y #1141132)

70) **The endothelial nitric oxide synthase isoform is present in neuronal synapses and lipid rafts.**
Caviedes, Ariel[2]., Nualart, Francisco[1]., **Wyneken, U[2]**., [1]Fisiología, Medicina, Universidad De Concepción. [2]CIB, Medicina, Universidad De Los Andes. (Sponsored by Fondecyt 1140108)

71) **Transfer of Aldolase C containing exosomes from astrocyte to neurons induces morphological rearrengements in neurons.**
Luarte, Alejandro[1]., Ramirez, Juan Pablo[1]., Masalleras, Matias[1]., Villalobos, Isabel[1]., Varas, Manuel[1]., **Wyneken, U[1]**., [1]CIB, Medicina, Universidad De Los Andes.

72) **Change in the position of the action potential initiation site in Granule Cells of the Dentate Gyrus during repetitive firing**
Palma-Espinosa, Javier[1]., Orio, Patricio[2]., Rojas, Patricio[1]., [1]Laboratorio de Neurociencias, Facultad de Química y Biología, Universidad De Santiago De Chile. [2]Centro Interdisciplinario de Neurociencia de Valparaiso Universidad De Valparaíso.

73) **Control of neurovascular coupling by S-nitrosylation of astrocytic calcium homeostasis modulator 1 channel.**
Puebla, M[1]., Muñoz, MF[1].,Figueroa, XF[1].,[1]Physiology Pontificia Universidad Católica De Chile. (Sponsored by Fondecyt 1150530)

74) **Pannexin 1 is equally expressed in neurons, microglias and astrocytes of the lamina I-II of the spinal cord in normal and neuropathic rats**
Bravo, D[1,2]., Maturana, Carola[3]., Hernández, Alejandro[1]., Juan, Saez[3,4]., Constandil, Luis[1]., [1]Departamento de Biología, Facultad de Química y Biología, Universidad De Santiago De Chile. [2]Kinesiología, Facultad de Salud, Deporte y Recreación, Universidad Bernardo O`higgins. [3]Departamento de Fisiología Pontificia Universidad Católica De Chile. [4]Instituto Milenio, Centro Interdisciplinario de Neurociencias de Valparaíso Universidad de Valparaíso . (Sponsored by This Work Was Supported By Grant FB0807 From CEDENNA (LC And DB) And Grants From ICM-Economía P09-022-F (JCS And CJM).)

75) **EXPRESSION OF UNCOUPLING PROTEIN 2 AND 3 DURING RAT SPERMATOGENESIS**
Paillamanque, Joaquin[3]., Carmona, Emerson[3]., Osses, Nelson[3]., Santibañez, Cristián[3]., Moreno, Ricardo[1]., Pino, Jose[3]., Bernales, Sebastian[2]., Gomez, Francisco[2]., **Reyes, Juan[3]**., [1]Departamento de Fisiología, Facultad de Ciencias Biológicas, Pontificia Universidad Católica De Chile. [2]Translational Research Group Fundación Ciencia y Vida. [3]Instituto de Química, Facultad de Ciencias, Pontificia Universidad Católica De Valparaíso. (Sponsored by Financed By Fondecyt 1140758)

76) **Role of pannexin hemichannels in calcium mobilization from intracellular stores of mice sperm during ATP induced acrosome reaction.**
Torres-Fuentes, Jorge[1]., Tomes, Claudia[2]., Saez, Juan[1]., Darszon, Alberto[3]., Treviño, Claudia[3]., Moreno, Ricardo[1]., [1]Fisiología, Ciencias Biológicas, Pontificia Universidad Católica de Chile. [2]Instituto de Histología y Embriología, Facultad de Ciencias Médicas, Universidad Nacional de Cuyo. [3]Departamento de Genética del Desarrollo y Fisiología Molecular, Instituto de Biotecnología, Universidad Nacional Autónoma de México. (Sponsored by FONDECYT 1150352 (RD.M))

77) **Analysis of pachytene spermatocytes transcriptome treated with arachidonic and cyclopiazonic acid**
Vasquez, Claudia[1]., Acevedo, Ccristian[2]., Moreno, Ricardo[3]., Osses, Nelson[3]., Reyes, Juan[1]., [1]Instituto de Química, Ciencias, Pontificia Universidad Católica De Valparaíso. [2]CENTRO DE BIOTECNOLOGIA Universidad Técnica Federico Santa María. [3]CIENCIAS FISIOLÓGICAS, CIENCIAS BIOLOGICAS, Pontificia Universidad Católica De Chile. (Sponsored by Supported By FONDECYT 1140758 And FSM 12041 Mecesup Research Assistantship Scholarship.)

78) **Role of glucose transporters GLUT1 and GLUT8 in proliferation and lactogenesis in murine mammary gland**
Villagran, Marcelo[1]., Muñoz, Katia[1]., Muñoz, Mirna[1]., Del Pozo, Reginald[1]., Mardones, Lorena[1]., [1]Ciencias Básicas, Medicina, Universidad Católica De La Santísima Concepción. (Sponsored by FONDECYT 11121367)

79) **Pseudogenes and heat shock response for Rnf19a, an E3 ubiquitin ligase in spermatogenesis.**
Párraga, Mario[1]., Rejas, Carolina[1].,San Martín, Sebastián[1]., Villena, Juan[1]., Del Mazo, Jesus[2]., [1]Centro de Investigaciones Biomédicas, Medicina, Universidad De Valparaíso. [2]Laboratorio de Biología Molecular de la Gametogénesis Centro de Investigaciones Biológicas (CSIC). (Sponsored by Centro De Investiagaciones Biomédicas. CID 05/06)

80) **Development of a lentiviral vector system to study Andes virus entry and neutralization**
Varas, Nicolás[1]., Starck, Maria Francisca[1].,Beltrán, Camila[1]., Fernandez, Yaiza[1]., Sánchez, Oliberto[1]., [1]Laboratorio de Biofármacos recombinantes, Facultad de Ciencias Biológicas, Universidad De Concepción.

81) **Study of cellular internalization mechanism of polyamidoamine dendrimers drug nanocarriers**
Vidal, F[1]., Vásquez, P[1]., Soto, R[1]., Díaz, C[2]., Alderete, J[2]., Guzman, L[1]., [1]Department of Physiology, Faculty of Biological Sciences, Universidad De Concepción. [2]Department of Organic Chemistry, Faculty of Chemical Sciences, Universidad De Concepción. (Sponsored by FONDECYT 1131004)

82) **The behavioral effects induced by expression of a mutation for PINK and its relationship with dopaminergic neurons in Drosophila melanogaster**

Molina-Mateo, Daniela[1]., Fuenzalida-Uribe, Nicolás[2]., Molina-Fernandez, Claudia[2]., Figueroa, Reinaldo[3]., Tevy, Florencia[3]., Campusano, Jorge[2]., [1]biologia celular y molecular, ciencias biológicas, Pontificia Universidad Católica De Chile. [2]biología celular y molecular Pontificia Universidad Católica De Chile. [3]Centro de Genómica y Bioinformática Universidad Mayor. (Sponsored by Fondecyt 1141233.)

83) **Muscarinic Acetylcholine Receptors Contribute to Aversive Olfactory Learning in Drosophila**

Molina-Fernández, Claudia[1]., Silva, Bryon[1]., Ugalde, María Beatriz[1]., Campusano, Jorge M[1]., [1]Departamento de Biología celular y molecular, Facultad de ciencias biológicas, Pontificia Universidad Católica De Chile. (Sponsored by Supported By Fondecyt 1141233)

84) **N-3 PUFAs supplementation increases hippocampal neurogenesis and improves memory of stressed rats**

Peñaloza Sancho, Valentín[1]., Dagnino-Subiabre, Alexies[1]., [1]Laboratory of Behavioral Neurobiology, Center for Neurobiology and Brain Plasticity, Institute of Physiology, Faculty of Sciences, Faculty of Sciences, Universidad de Valparaíso. (Sponsored by FONDECYT Grant N° 1141276 To AD-S Labsite: www.stress.cl)

85) **Interactions between adrenergic activity and glucocorticoids in the Insular Cortex modulate arousal-induced taste Neophobia**

Mendez, Luis[1]., Jeréz Baraona, Juan Manuel [1].,Rojas, Sebastián[1]., Díaz-Galarce, Raul[1].,Quintana-Donoso, Daisy[1]., Moraga-Amaro, Rodrigo[1]., Stehberg, Jimmy[1]., [1]Laboratorio de Neurobiología, Centro de Investigaciones Biomédicas, Universidad Andrés Bello.

86) **Dopamine Receptor type 5 knockout mice (D5RKO) show memory impairments but normal affective behavior.**

Moraga, Rodrigo[1]., González, Hugo[3]., Rojas, Patricio [2]., Ugalde , Valentina[3]., Pacheco, Rodrigo[3]., Stehberg, Jimmy[1]., [1]Laboratorio de Neurobiología, Centro de Investigaciones Biomédicas, Universidad Andrés Bello. [2]Laboratorio de Neurociencias.

Departamento de Biología, Facultad de de Química y Biología Universidad De Santiago De Chile. [3]Laboratorio of Neuroinmunología Fundación Ciencia & Vida.

87) **Adrenergic transmission in the modulation of arousal-induced reluctance to try novel tastes by the insula in the rat**
Rojas, Sebastian[1]., Diaz Galarce, Raul[1]., Jerez Baraona, Juan Manuel[1]., Quintana Donoso, Daisy[1]., Moraga Amaro, Rodrigo[1]., Stehberg, Jimmy[1]., [1]Laboratorio de Neurobiologia , Centro de investigaciones Biomédicas, Universidad Andrés Bello.

88) **Phenylalanine variability as a determinant factor during neurodevelopment. Outcomes in higher cognitive functions**
Santander, Daniela[2]., De La Parra, Alicia[1]., Castro, Gabriela[1]., Arias, Carolina[1]., Cabello, Francisco[1]., Cornejo, Veronica[1]., Ossandón , Tomás[2]., [1]Laboratorio de Genética y Enfermedades Metabólicas, I.N.T.A., Universidad De Chile. [2]Departamento de Psiquiatría, Facultad de Medicina y Centro Interdisciplinario de Neurociencia, Pontificia Universidad Católica De Chile.

89) **Mechanisms of autonomic regulation during social cognition task**
Varas, G[1]., Maldonado, Pedro[2]., [1]Fisiología, Medicina, Universida de Chile. [2]Fisiologia Universidad De Chile.

90) **Dopamine D4 receptor of the prelimbic cortex is important to the expression of innate fears in rat**
Vergara, M[1]., Gysling, Katia[2]., Fuentealba, José[3]., [1]Biología Celular y Molecular, Ciencias Biológicas, Pontificia Universidad Católica De Chile. [2]Biología Celular y Molecular, Biología Celular y Molecular, Pontificia Universidad Católica De Chile, Biología Celular y Molecular, Ciencias Biológicas . [3]Quimica y Farmacia, Quimica y Farmacia, Pontificia Universidad Católica De Chile.

91) **Visual sensory response is differentially affected by the representational format of self-generated thoughts**
Villena-González, Mario[1]., López, Vladimir[1]., Rodríguez, Eugenio[1]., [1]Psicología, Ciencias Sociales, Pontificia Universidad Católica De Chile. (Sponsored by This Project Was Supported By A PhD Fellowship From CONICYT-PCHA/Doctorado Nacional/2014-21140290)

92) **Do I switch tasks better when I feel well?**
Vasquez-Rosati, Alejandra[1]., López, Vladimir[1]., Cosmelli, Diego[1]., [1]Escuela de Psicología Pontificia Universidad Católica De Chile. (Sponsored by CONICYT 21120514)

93) **Effect of color on long term memory for faces.**
Osorio, Marcela[1]., Yañez, Rodrigo[2]., Toledo, Pedro[3]., Rodríguez, Eugenio[1]., [1]Escuela de Psicología, Facultad de Ciencias Sociales, Pontificia Universidad Católica De Chile. [2]Instituto de Economía, Facultad de Ciencias Económicas y Administrativas, Pontificia Universidad Católica De Chile. [3]Departamento de Electrónica Universidad Técnica Federico Santa María. (Sponsored by Acknowledgements To Vicerrectoría De Investigación Pontificia Universidad Católica, Concurso De Investigación Pregrado Invierno 2015.)

94) **Chronic stress impairs decision-making and attention in adolescent rats**
Ovando, Marcela[1]., Dagnino-Subiabre, Alexies[1]., [1]Laboratory of Behavioral Neurobiology, Center for Neurobiology and Brain Plasticity, Institute of Physiology, Facultad de Ciencias, Universidad De Valparaíso. (Sponsored by This Work Was Funded By FONDECYT Grant N° 1141276 To AD-S. Labsite: Www.stress.cl)

95) **Changes on growh hormone expression in gills, liver, kidney, intestine and pituitary during smoltification in Salmo salar**
Morera, FJ[1]., Vargas-Lagos, C[2]., Pontigo, JP[2]., Oyarzun, R[2]., Yañez, A[3]., Vargas-Chacoff, L[2]., [1]Instituto de Farmacologia, Ciencias Veterinarias, Universidad Austral De Chile. [2]Instituto de Ciencias Marinas y Limnologicas, Ciencias , Universidad Austral De Chile. [3]Instituto de Bioquimica y Microbiologia, Ciencias , Universidad Austral De Chile. (Sponsored by Funding By INNOVA-Corfo 13IDL2-23565 (to LVC, FJM And AY); Fondap-Incar, No. 15110027 (to AY), FONDECYT De INICIACION 11130308 (to FJM) And DID-UACH (to FJM))

96) **Regulation of the expression of the (pro)renin receptor by angiotensin II in renal collecting duct cells.**
Reyes-Martínez, Cristian[1]., Salinas-Parra, Nicolás[1]., Gonzalez, Alexis A[1]., [1]Instituto de Química, Facultad de Ciencias, Pontificia Universidad Católica De Valparaíso. (Sponsored by FONDECYT 11121217)

97) **Activation of E-Prostanoid Receptor EP1 and EP4 regulates renin expression in renal collecting duct cells**
Salinas-Parra, Nicolás[1]., Gonzalez-Vergara, Alex[1]., Figueroa, Steffany[1]., Gonzalez, Alexis A[1]., [1]Instituto de Quimica, Facultad de Ciencias, Pontificia Universidad Católica De Valparaíso. (Sponsored by FONDECYT 11121217)

98) **Altered cortical actin polymerization in dysferlin-deficient skeletal myocytes**
Báez, Ximena[1]., Gonzalez, Arlek[1]., Cea, Luis[2]., Bevilacqua, Jorge A[3]., Mouly, Vincent[4]., Caviedes, Pablo[5].,Cárdenas, Ana María[1]., [1]Centro Interdisciplinario de Neurociencias Universidad De Valparaíso. [2]Programa de Anatomía y Biología del Desarrollo, Instituto de Ciencias Biomédicas Universidad De Chile. [3]Programa de Anatomía y Biología del Desarrollo, Instituto de Ciencias Biomédicas. Universidad De Chile.[4]UM76 - UPMC Univ. Paris 6 / U974 - Inserm / UMR72 47, bld de l´Hôpital - G.H. Pitié-Salpétrière Paris Universidad Paris . [5]Programa de Farmacología Molecular y Clínica, ICBM. Universidad De Chile. (Sponsored by This Work Has Been Supported By Grants Anillo ACT-1121.)

99) **Effect of metformin during gestation in obese rats on reproductive and metabolic parameters in offspring**
Olguín, Sofía[1]., Alvarez, Daniela[1]., Ceballo, Karina[1]., Cerda, Tania[1]. ,Cruz, Gonzalo[1]., [1]Laboratorio de Alteraciones Reproductivas y Metabólicas, Instituto de Fisiología, Facultad de Ciencias, Universidad De Valparaíso. (Sponsored by FONDECYT INICIACION 11130707 (GC) And Centro De Neurobiología Y Plasticidad Cerebral (CNPC) Of Universidad De Valparaíso.)

100) **Angiotensin-(1-7) prevents skeletal muscle wasting induced by lipopolysaccharide decreasing proteasomal degradation and autophagy**
Rivera, Juan Carlos[1,2]., Morales, María Gabriela[1,2]., Abrigo, Johanna[1,2]., Simon, Felipe[3,4]., Cabello-Verrugio, Claudio[1,2]., [1]Laboratorio de Biologia y Fisiopatología Molecular, Depto. Ciencias Biológicas, Facultad de Ciencias biológicas, Universidad Andrés Bello. [2]Laboratorio de Biologia y Fisiopatología Molecular Millennium Institute on Immunology and Immunotherapy. [3]Laboratorio de Fisiología Integrativa, Depto. Ciencias Biológicas, Facultad de Ciencias biológicas, Universidad Andrés Bello. [4]Laboratorio de Fisiología Integrativa Millennium

Institute on Immunology and Immunotherapy. (Sponsored by Funding: Association-Francaise Contre Les Myopathies AFM #16670; FONDECYT #1120380, 1121078; IMII #P09-016-F; UNAB DI-741-15/N.)

101) **P2X receptor evolution: sequence and structural comparisons from unicellular green algae to the human receptor subtypes.**
Latapiat, Verónica[1]., Huidobro-Toro, J Pablo[1]., [1]Departamento de Biología, Facultad de Química y Biología, Universidad de Santiago de Chile. (Sponsored by Funded Fondecyt 1141132, PFB 0807.)

102) **Mechanisms controlling Nur77 expression and activity: implications in neuronal plasticity**
Olivares, Montserrat[1]., Parada, Guillermo[1]., Andrés, María Estela[1]., [1]Biología Celular y Molecular, Ciencias Biológicas, Pontificia Universidad Católica De Chile. (Sponsored by Fondecyt Project N° 1150200)

103) **Unravelling the coordination of zinc in ionotropic receptors: from structural to allosteric modulator sites.**
Peralta, Francisco[1]., Huidobro-Toro, Juan[1]., [1]Departamento de Biología, Facultad de Química y Biología, Universidad De Santiago De Chile. (Sponsored by Funded By Fondecyt Grant 114-1132, CONICYT Basal Grant 087 (CEDENNA) And CONICYT 21140407 Doctoral Fellowship.)

104) **The expression of scFv anti-LDL oxidized is affected negatively for low temperatures in cultures of yeast Pichia pastoris.**
Zepeda, A[1,2]., Figueroa, C[1,2]., Figueroa, E[1]., Pessoa, A[2]., Farías, J[1]., [1]Departamento de Ingeniería Química, Facultad de Ingeniería y Ciencias, Universidad De La Frontera. [2]Departamento de Ciencias Bioquímicas y Farmacéuticas, Facultad de Ciencias Farmacéuticas, Universidade de Sao Paulo. (Sponsored by Acknowledgments: Scholarships For PhD In Chile, CONICYT. Coordination Of Superior Level Staff Improvement(CAPES, Brazil), National Council For Scientific And Technological Development (CNPq, Brazil) Y São Paulo Research Foundation (FAPESP, Brazil).)

105) **Transforming growth factor-β1 increases Cdk5 activity and TRPV1-dependent Ca^{2+} influx in trigeminal neurons**

Lazcano, Pablo[2]., Wilson, Carlos[1]., Gonzalez-Billault, Christian[1]., **Utreras, Elias[2]**., [1]Laboratory of Cellular and Neuronal Dynamic, Department of Biology, Faculty of Science, Universidad de Chile. [2]Laboratory of Cellular and Molecular Mechanisms of Pain, Department of Biology, Faculty of Science, Universidad de Chile. (Sponsored by Supported By Grants ACT1114 And Fondecyt 1140325 To C.G.-B And Fondecyt 11110136, 1151043 And PAI-79100009 To E.U.)

106) **Study of protein interaction sites of Gβγ and Glycine Receptor by peptides**

Neira, Luis[1]., González, Daniela[1]., Nova, Daniela[1]., Guzmán, José[1]., [1]Physiology, Biological Sciences, Universidad De Concepción. (Sponsored by This Work Has Been Funded By The FONDECYT Proyect 1131004, IDeA-FONDEF Proyect CA12I10280 And CMA Bío-Bío)

107) **The gasotransmitter hydrogen sulphide (H_2S) modified ciliary activity in mouse tracheal epithelial cell cultures.**

Ríos, M[1]., Droguett, Karla[1]., Althaus, Mike[2]., Villalon, Manuel[1]., [1]Department of Physiological Science, Faculty of Biological Science, Pontificia Universidad Católica De Chile. [2]Institute of Animal Physiology Justus-Liebig University of Giessen. (Sponsored by Fondecyt Postdoctorado 3150652)

108) **Interaction between CRF-BP and CRF2αR increases CRF2αR in the plasma membrane**

Slater, Paula[1]., Cerda, Cledi[1]., Andrés, María[1]., Gysling, Katia[1]., [1]Departamento de Biología Celular y Molecular, Facultad de Ciencias Biológicas, Pontificia Universidad Católica De Chile. (Sponsored by Funded By FONDECYT Grant Nº 1110392 And 1150244, MSI Grant N° P10/063-F And CONICYT Grant For PhD Thesis Research To S.P.G.)

109) **Traffic of dopamine D2L receptor: basic mechanisms and kappa opioid receptor control**

Ureta, Roxana[1]., Escobar, Angélica[1]., Andres, Maria[1]., [1]Biologia Celular y Molecular, Facultad de Ciencia Biológicas, Pontificia Universidad Católica De Chile. (Sponsored by FONDECYT Project # 1150200)

110) **Influence of t3 administration on the hepatic ppar-α–fgf21 signaling pathway.**
Vargas, R[1]., Cornejo, Pamela[2]., Fernández, Virginia[1]., Tapia, Gladys[1]., Videla, Luis[1]., [1]Farmacologia, Medicina, Universidad De Chile. [2]Escuela de Tecnología Médica, Medicina, Universidad Diego Portales. (Sponsored by Agradecimientos: Proyecto FONDECYT 1150104)

111) **Domains of the human corticotrophin releasing hormone type-2 receptor involved in the interaction with D1 dopamine receptor**
Palominos, Tomás[1]., Fuenzalida, Javier[1]., Slater, Paula[1]., Yarur, Hector[1]., Gysling, Katia[1]., [1]Departamento de Biología Celular y Molecular, Facultad de Ciencias Biológicas, Pontificia Universidad Católica De Chile. (Sponsored by Funded By FONDECYT Grants 1110392 & 1150244, & MSI Grant N° P10/063F)

112) **N-Acetylcysteine restores prefrontal cortical-accumbens LTD in Swiss CD1 mice fed high-fat diet.**
Morgan, Carlos[1]., Hernández, Alejandro[2].,Ramírez, Paulina[1].,Reyes, Andrea[2].,Burgos, Héctor[3].,Constandil, Luis[2].,Sáez-Briones, Patricio[4].,[1]Unidad de Nutrición Humana, INTA, Universidad De Chile.[2]Departamento de Biología, Facultad de Química y Biología, Universidad De Santiago De Chile.[3]Escuela de Psicología, Facultad de Ciencias Sociales, Universidad Central De Chile.[4]Escuela de Medicina, Facultad de Ciencias Médicas, Universidad De Santiago De Chile.

113) **Putative molecular mechanisms associated to leptin resistance exhibited by Mecp2 null mice.**
Valdivia, Sharin[1]., Hernández-Galaz, Sergio[1]., Guzmán, Luis[1]., Ojeda-Provoste, Patricia[1]., Gutiérrez, Noemí[2]., Kerr, Bredford[2]., [1]Laboratorio de Biología Centro de Estudios Científicos-CECs, Universidad Austral de Chile. [2]Laboratorio de Biología Centro de Estudios Científicos-CECs. (Sponsored by Fondecyt 1140162. PFB 01/2007.)

114) **Aldosterone and IL-17 in the genesis of mineralocorticoid arterial hypertension: an ex vivo study.**
Vecchiola, A[1,2]., Muñoz-Durango, Natalia[2]., Fuentes, Cristobal[1]., Gonzalez-Gomez, Luis Martin[1]., Allende, Fidel[4]. ,Ortiz-Canales, David[1]., Tapia-Castillo, Alejandra[1]., Valdivia-Pizarro, Carolina[1]., Rojas, Maria[3]., Carrasco, Carmen[1].,Campino, Carmen[1,2].,

Solari, Sandra[4]., Baudrand, Rene[1]., Carvajal, Cristian[1,2]., Lagos, Carlos[1,2]., Kalergis, Alexis[2]., Fardella, Carlos[1,2]., [1]Department of Endocrinology, School of Medicine, Pontificia Universidad Catolica de Chile.[2]IMII Millennium Institute on Immunology and Immunotherapy.[3]Department of Family Medicine, School of Medicine, Pontificia Universidad Catolica de Chile.[4]Department of Clinical Laboratories, School of Medicine, Pontificia Universidad Catolica de Chile. (Sponsored by Supported By Proyecto SOCHED 13-6, IMII P09/016-F, CORFO 13CTI-21526-P1, FONDECYT 1150437 & 1130427 Grants. Nothing To Disclose)

115) **Changes of BK potassium channel mRNA abundance in gills during the seawater adaptation in Salmo salar**
Morera, FJ[1]., Saravia, J[1]., Oyarzun, R[2]., Pontigo, JP[2]., Strobel, P[3]., Contreras, C[1]., Loncoman, C[1]., Gutierrez, L[1]., Vargas-Lagos, C[2]., Yañez, A.[4].,Vargas-Chacoff, L[2]., [1]Instituto de Farmacologia, Ciencias Veterinarias, Universidad Austral De Chile. [2]Instituto de Ciencias Marinas y Limnologicas, Ciencias, Universidad Austral De Chile. [3]Instituto de Ciencia Animal, Ciencias Veterinarias, Universidad Austral De Chile. [4]Instituto de Bioquimica y Microbiologia, Ciencias, Universidad Austral De Chile. (Sponsored by Funding By FONDECYT De INICIACION 11130308 (to FJM), INNOVA-Corfo 13IDL2-23565 (to LVC, FJM And AY); Fondap-Incar, No. 15110027 (to AY) And DID-UACH (to FJM))

116) **Evaluation of TASK-3 knockdown effect on breast cancer cell proliferation**
Veneciano, Jocelyn[1]., Zúñiga, Rafael[1].,Valenzuela, Claudio[1]., Brown, Nelson[1]., Zúñiga, Leandro[1]., [1]Escuela de Medicina Universidad De Talca. (Sponsored by This Work Was Supported By FONDEF-IDEA CA13I10223. J.V. Thanks To University Of Talca, Biomedical Science Master Program.)

117) **Characterization of a molecular site for the modulation of the glycine receptor α3 subunit by 2,6-di-tert-butylphenol**
Lara, Cesar[2]., Burgos, Carlos[2]., Muñoz, Braulio[2]., Moraga-Cid, Gustavo[1].,Corringer, Pierre-Jean[1]., Yévenes, Gonzalo[2]., [1]Institute Pasteur Institute Pasteur. [2]Department of Physiology Universidad De Concepción. (Sponsored by Supported By FONDECYT 1140515, Fondation De La Recherche Médicale, Institut Pasteur And The Agence Nationale De La Recherche. Sponsored By Dr. Jorge Fuentealba A.)

118) **Exploring the molecular mechanisms underlying the functional inhibition of the glycine receptor α3 subunit by PKA-mediated phosphorylation.**
San Martin, Victoria[1]., Lara, Cesar[1]., Yévenes, Gonzalo[1]., [1]Department of Physiology Universidad De Concepción. (Sponsored by Supported By FONDECYT 1140515 Sponsored By Dr. Jorge Fuentealba A.)

119) **Influence of lipid rafts in the regulation of two-pore domain potassium channels in rat cerebellar granule neurons**
Zúñiga, Rafael[1]., Valenzuela, Claudio[1]., Brown, Nelson[1]., Zúñiga, Leandro[1]., [1]Escuela de Medicina, Ciencias de la Salud, Universidad De Talca.
(Sponsored by Acknowledgments: This Work Was Supported By Fondecyt Grant 11110217. R.Z. Thanks The University Of Talca For A PhD Fellowship.)

120) **Properties of the neural circuit associated to the CCAP AN1-AN4 and motoneurons during the ecdysis into pupa of the Drosophila melanogaster**
Pineiro, Miguel[1]., Mena, Wilson[1].,Orio, Patricio[1].,John, Ewer[1].,[1]Centro Interdisciplinario de Neurociencia Valparaiso, Facultad de Ciencias, Universidad De Valparaíso.

121) **Effect of angiotensin converting enzyme inhibition on the development of mesonephros in chicken embryos.**
Moya, Víctor[1]., Olivares, Natalia[1]., Ansaldi, Valentina[1]., Alexis, Gonzalez[2]., [1]Instituto de Biología, Facultad de Ciencias, Pontificia Universidad Católica De Valparaíso. [2]Instituto de Química, Facultad de Ciencias, Pontificia Universidad Católica De Valparaíso.

122) **Role of the pon1q192r polymorphism in the cognitive performance of agricultural workers exposed to organophosphate pesticides in the north of chile (coquimbo region).**
Liliana Zúñiga*, Sebastián Corral*[1] and Floria Pancetti*
*Laboratory of Environmental Neurotoxicology, Faculty of Medicine, Universidad Católica del Norte, Coquimbo, Chile; [1]Present address: Department of Psychology, Faculty of Social Sciences, University of Chile, Santiago, Chile.

14:30-20:00 LEISURE TIME:
Elqui Valley, South Pacific, etc.

FRIDAY, September 25.

9:00-11:00 SYMPOSIUM : ***Aging and Neurodegeneration.***
Chair: Cecilia Hidalgo.
Salón: Bahía 1

9:00-9:30 **CALCIUM DYSREGULATION IN A RODENT MODEL OF ALZHEIMER´S DISEAS**
Paula-Lima, A[1,2]., More, J[2]., Barattini, P[2]., Adasme, T[2,3]., Hidalgo, C[2,3]., Valdes, JL[4].,[1]Institute for Research in Dental Sciences, Faculty of Dentistry, Universidad De Chile. [2]Biomedical Neuroscience Institute, Faculty of Medicine, Universidad De Chile. [3]Center for Molecular Studies of the Cell Institute of Biomedical Sciences, Faculty of Medicine, Universidad De Chile. [4]Center for Neuroscience of Memory, Institute of Biomedical Sciences, Faculty of Medicine, Universidad de Chile.

9:30-10:00 **WNT SIGNALING STIMULATES NEURONAL GLUCOSE METABOLISM AND ENHANCES NEUROPROTECTION AGAINST A**B **OLIGOMERS**
Inestrosa, N[1]., [1]Cell and Molecular Biology, Biological Sciences, Pontificia Universidad Católica De Chile.

10:00-10:30 **THE WNT EFFECTOR ß-CATENIN IN MODELS OF AMYOTROPHIC LATERAL SCLEROSIS: ALLY OR FOE?**
Pinto, Cristina[1].,**Henriquez, Juan Pablo[1].**, [1]Cell Biology, Biological Sciences, Universidad de Concepcion

10:30-11:00 **AGING AND NEURODEGENERATION: THE MITOCHONDRIAL CONNECTION**

Nuñez, Marco T.[1]., Urrutia, Pamela J.[1].,Aguirre, Pabla[1].,Garcia-Beltran, Olimpo[2]., Cassels, Bruce K.[2]., Tapia, Victoria[1]., Mena, Natalia P.[1]., [1]Biology, Sciences, Universidad de Chile. [2]Chemistry, Sciences, Universidad de Chile

9:00-11:00 SYMPOSIUM : ***Neuropharmacology of stress, anxiety and depression.***
Chair: Javier Bravo
Salón: Bahía 2

9:00-9:30 **INFLUENCE OF MATERNAL EXPERIENCE ON BEHAVIORAL RESPONSE TO THE MATERNAL SEPARATION STRESS IN MOTHER RATS**

Rivarola, M[1]., [1]Fisiología, Facultad de Ciencias Exactas Físicas y Naturales, Universidad Nacional de Córdoba.

9:30-10:00 **CROSS-TALKS BETWEEN STRESS AND POLYUNSATURATED FATTY ACIDS: ROLE ON DEPRESSIVE DISORDERS**

Dagnino-Subiabre, Alexies[1]., Pérez, Miguel[2]., Peñaloza-Sancho, Valentín[1]., Fuenzalida, Marco[2]., [1]Laboratory of Behavioral Neurobiology, Center for Neurobiology and Brain Plasticity, Institute of Physiology, Faculty of Sciences, Universidad de Valparaíso. [2]Laboratory of Neural Plasticity, Center for Neurobiology and Brain Plasticity, Institute of Physiology, Faculty of Sciences, Universidad de Valparaíso.

10:00-10:30 **EARLY-LIFE INTESTINAL DYSBIOSIS AND ITS IMPACT ON STRESS-RELATED BEHAVIOURS IN YOUNG RATS**

Bravo, Javier[1]., [1]Grupo de Neurogastrobioquímica, Laboratorio de Química Biológica, Instituto de Química, Facultad de Ciencias, Pontificia Universidad Católica de Valparaíso.

10:30-11:00 **NEUROPHARMACOLOGY OF THE BRAIN-GUT-MICROBIOME AXIS: FOCUS ON SEROTONIN AND TRYPTOPHAN METABOLISM**
Clarke, G[1]., [1]Psychiatry/APC Microbiome Institute University College Cork.

11:00-11:30 COFFEE BREAK
Salón: Bahía 3

11:30-12:30 PLENARY LECTURE
Salón: Bahía 1 y 2
Preside: Mauricio Boric

GAP JUNCTION CHANNELS AND HEMICHANNELS: FROM FUNDAMENTAL SCIENCE TO THEIR INVOLVEMENT IN INFLAMMATORY RESPONSES OF CHRONIC HUMAN DISEASES
Sáez, Juan Carlos[1]., [1]Fisiologia, Ciencias Biologicas, Pontificia Universidad Católica De Chile

12:30-14:30 LUNCH

14:30-16:30 SYMPOSIUM *:* **Pharmacological approaches for pathophysiological conditions associated with hypoxia and oxidative stress".**
Chair: Rodrigo Castillo.
Salón: Bahía 1

14:30-15:00 **CARDIAC HYPOXIC INJURY AND OXIDATIVE STRESS: PROTECTIVE STRATEGIES AND POTENTIAL CLINICAL APLICATIONS.**
Castillo, R[1]., Farías, Jorge[2]., Herrera, Emilio[3]., Carrasco-Pozo, Catalina[4]., Sepúlveda, Nestor[5]..,[1]Programa de Fisiopatología, Instituto de Cs Biomédicas, Facultad de Medicina, Universidad de chile. [2]Departamento de Ingeniería Química , Facultad de Ingeniería y Ciencias, Universidad de la Frontera, Universidad De La Frontera. [3]Programa de Fisiopatología Oriente, ICBM, Facultad de Medicina, Universidad

de Chile, Universidad de chile. [4]Departamento de Nutrición, Facultad de Medicina, Universidad De Chile. [5]Laboratorio de Producción Animal, Facultad de Ciencias Agropecuarias y Forestales, Universidad De La Frontera.

15:00-15:30 **PERINATAL HYPOXIA AND OXIDATIVE STRESS: MECHANISMS AND POTENTIAL NEW THERAPIES.**
Herrera, Emilio A[1,2]., Ebensperger, German[1].,Reyes, Roberto[1].,Llanos, Anibal[1,2].,[1]Programa de Fisiopatología, ICBM, Facultad de Medicina,
Universidad de Chile.[2]Internationa Center for Andean Studies (INCAS) Universidad de Chile

15:30-16:00 **OCCUPATIONAL EXPOSURE TO CHRONIC INTERMITTENT HYPOXIA: BETWEEN ACCLIMATIZATION, INTOLERANCE AND PROTECTION.**
Jimenez, D[1]., [1]Public Health, Medicine, Universidad De Chile

16:00-16:30 **PHARMACOLOGICAL STRATEGIES FOR THE PREVENTION OF THE EFFECT OF INTERMITTENT HYPOBARIC HYPOXIA IN RAT TESTIS.**
Farias, Jorge[1]., Castillo, Rodrigo[2]., Figueroa, Elias[1]., Short, Stefania[1].,Zepeda, Andrea[1]., Figueroa, Carolina[1]., [1]Departamento de Ingeniería Química, Facultad de Ingeniería y Ciencias, Universidad de La Frontera.[2]Programa de Fisiopatología, Instituto de Ciencias Biomédicas, Facultad de Medicina, Universidad de Chile.

14:30-16:30 SYMPOSIUM: **Memory and stress.**
Chair: Jimmy Stehberg.
Salón: Bahía 2

14:30-15:00 **A GABAERGIC SIGNALING WITHIN THE BASOLATERAL AMYGDALA COMPLEX MODULATES THE INFLUENCE OF STRESS ON EAR MEMORY**

Molina, V[1]., Rodriguez Manzanares, P.[1].,Ortiz, V[1].,Espejo , P.[1].,Giachero, M.[1].,Calfa, G.[1].,Calfa, G.[1].,Isoardi, N.[1]., Carrer, H.[1].,Carrer, H.[1].,Martijena, I.[1].,Maldonado, N. [1].,[1] Departamento de Farmacologia, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba.

15:00-15:30 **LONG TERM MEMORIES THAT ARE REACTIVATED WITHOUT BEING BEHAVIORALLY EXPRESSED**

Delorenzi, A[1]., Maza, FJ[1].,Ojea, A[1]., Molina, VA[2]., Stehberg, J[3]., [1]Laboratorio de Neurobiología de la Memoria, Departamento Fisiología, Biología Molecular y Celular, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires. [2]Departamento de Farmacologia, Facultad de Ciencias Químicas, Universidad nacional de Córdoba.[3]Laboratorio de Neurobiología Universidad Nacional Andrés Bello.

15:30-16:00 **A ROLE FOR THE INSULAR CORTEX IN FEAR OF THE NEW AND ANXIETY**

Stehberg, J[1]., Moraga-Amaro, R[1]., Díaz-Galarce, R[1]., Quintana-Donoso, D[1]., Rojas, S[1]., Tamburini, G[1]., Méndez, L[1].,Escorza , T[1].,Pacheco, R[2]., [1]Laboratorio de Neurobiología, Centro de Investigaciones Biomédicas, Universidad Andrés Bello. [2]Laboratorio of Neuroinmunología Fundación Ciencia & Vida.

16:00-16:30 **THE ROLE OF ASTROCYTE-DERIVED EXOSOMES IN THE STRESS RESPONSE**

Wyneken, U[1]., [1]CIB, Medicina, Universidad De Los Andes

16:30-17:00 COFFEE BREAK
Salón: Bahía 3

17:00-18:30 ORAL PRESENTATIONS I dsadsadsad
Salón: Bahía 1
Mesa: Magdalena Sanhueza
Bredford Kerr

ACUTE AND CHRONIC AMPHETAMINE TREATMENTS MODULATES DIFFERENTIALLY NURR1 AND NF-KB P65 EXPRESSION IN THE RAT VENTRAL TEGMENTAL AREA
Arredondo, Cristian[1]., González, Marcela[1]., Andrés, María[1]., Gysling, Katia[1]., [1]Biología Celular y Molecular, Ciencias Biológicas, Pontificia Universidad Católica De Chile.

KOR-DEPENDENT POTENTIATION OF QUINPIROLE-INDUCED SENSITIZATION: NEUROCHEMICAL INTERACTION AND COHABITATION WITH D2 RECEPTORS.
Escobar, Angélica[1]., Noches, Verónica[1]., Meza, Rodrigo[2,3]., Henny, Pablo[3]., Gysling, Katia[1]., Fuentealba, José[4]., España, Rodrigo[5]., Andrés, Maria[1]., [1]Biologia Celular y Molecular, Ciencias Biológicas, Pontificia Universidad Católica De Chile. [2]Ciencias Fisiológicas, Ciencias Biológicas, Pontificia Universidad Católica De Chile. [3]Anatomía, Medicina, Pontificia Universidad Católica De Chile. [4]Farmacia, Química, Pontificia Universidad Católica De Chile. [5]Neurobiology and Anatomy, School of Medicine, Drexel University

EXPOSURE TO AN ENRICHED ENVIRONMENT DURING PREGNANCY AND LACTATION MODULATES FEEDING BEHAVIOR IN ADULT OFFSPRING
Ojeda-Provoste, Patricia[1]., Hernández-Galaz, Sergio[1]., Kerr, Bredford[2]., [1]Laboratorio de Biología Centro de Estudios Científicos-CECs, Universidad Austral de Chile. [2]Laboratorio de Biología Centro de Estudios Científicos-CECs.

ASSESSING EXPOSURE TO ORGANOPHOSPHATE PESTICIDES, BIOMARKERS AND NEUROPSYCHOLOGICAL OUTCOMES IN RURAL POPULATIONS OF CHILE

RAMIREZ, M[1]., Zuñiga-Venegas, Liliana[2]., Corral-Zavala, Sebastian[3]., Pancetti Vaccari, Floria[2].,Sandoval-Guzman, Rodrigo[2]., [1]SALUD PUBLICA, MEDICINA, Universidad Católica Del Norte. [2]Biomedical Sciences, Medicine, Universidad Católica Del Norte. [3]Psychology, FACSO, Universidad de Chile.
(Sponsored by This Research Was Supported By: FONDEF: Fondo De Fomento Al Desarrollo Científico Y Tecnológico, CONICYT Chile.

17:00-18:30 ORAL PRESENTATIONS II
Salón: Bahía 2
Mesa: Jorge Fuentealba
Julio Alcayaga

THE NEUROPROTECTIVE EFFECTS OF AN ERYTHROPOIETIN ISOFORM WITH LOW GLYCOSYLATION AGAINST THE ß AMYLOID STRESS.

Castillo, Carolina[1,2]., Hidalgo, Angela[1]., Silva-Grecchi, Tiare[2]., Fuentealba, Jorge[2]., Toledo, Jorge[1].,[1]Biotechnology and Biopharmaceuticals Laboratory, Departament of Pathophysiology., School of Biological Sciences, University of Concepcion.[2]Screening of neuroactive compounds Laboratory. Departament of Physiology., School of Biological Sciences., University of Concepción

BASAL CILIARY ACTIVITY DEPENDS ON ATP RELEASE IN MOUSE TRACHEAL EPITHELIAL CELLS *IN VITRO*.

Droguett, Karla[1]., Ríos, Mariana[1]., Navarrete, Camilo[1].,Fuentes, Christian[1].,Barrera, Nelson[1].,Villalón, Manuel[1].,[1]Department of Physiological Science, Faculty of Biological Science, Pontificia Universidad Católica de Chile

MODELING THE SENSITIVITY OF COLD THERMORECEPTOR NEURONS AND COLD NOCICEPTORS IN TERMS OF ITRPM8 AND IKD CURRENT EXPRESSION.

Herrera Pacheco, Gaspar[1]., Olivares, Erick[1].,Madrid, Rodolfo[2].,Orio, Patricio[1].,[1]Centro Interdisciplinario de Neurociencia de Valparaíso, Facultad de Ciencias, Universidad De Valparaíso. [2]Departamento de Biología, Facultad de Química y Biología, Universidad De Santiago De Chile.

STUDIES ON THE ROLE OF RHOA-RHO KINASE ACTIVATION IN AN ANIMAL MODEL OF METABOLIC SYNDROME

Leguina-Ruzzi, Alberto[1]., Peñaloza, Estefania[1].,Pereira, Jaime[1].,Alarcon, Cecilia[1].,Romero, Diego[2].,Roa, Juan[2].,Mezzano, Diego[1].,Sáez, Claudia[1].,Velarde, Victoria[3]., [1]Hematology and Oncology, Faculty of Medicine, Pontificia Universidad Católica de Chile. [2]Anatomic Pathology, Faculty of Medicine, Pontificia Universidad Católica de Chile.[3]Physiology, Faculty of Biological Science, Pontificia Universidad Católica de Chile

K_{CA}3.1-DEPENDENT HYPERPOLARIZATION ENHANCES INTRACELLULAR CA^{2+} SIGNALING INDUCED BY FMLF IN DIFFERENTIATED U937 CELLS

Penna, Antonello[1]., Stutzin, Andrés[2].,[1]Departamento de Anestesiología, Facultad de Medicina, Universidad De Chile. [2]Instituto de Ciencias Biomédicas, Facultad de Medicina, Universidad De Chile.

18:30-19:30 PLENARY LECTURE:
Salón: Bahía 1 y 2
Preside: Katy Gysling

THE CIRCUITRY OF DOPAMINE SYSTEM REGULATION AND ITS DISRUPTION IN SCHIZOPHRENIA AND DEPRESSION

Grace, Anthony[1]., [1]Departments of Neuroscience, Psychiatry and Psychology University of Pittsburgh, PA, USA.

19:30-20:30 AWARDS AND CONCLUDING REMARKS

20:30-23:00 DINNER AND DANCING

Auspiciadores

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