

CURRICULUM VITAE

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EDUCATION

- 2016** PhD. Biological Sciences, Cellular and Molecular Biology. Pontificia Universidad Católica de Chile
- 2012** Master. Biological Sciences, Cellular and Molecular Biology. Pontificia Universidad Católica de Chile.
- 2010** Pharmacist. Faculty of chemistry. Pontificia Universidad Católica de Chile.

RESEARCH EXPERIENCE

- 2017** Postdoctoral researcher, Laboratory of Dr. Pablo Moya, Instituto Interdisciplinario de Neurociencias de Valparaiso, Universidad de Valparaíso.
- 2016** Research assistant, Laboratory of Dr. María Estela Andrés, Cellular and Molecular Biology Department. Faculty of Biological Sciences. Pontificia Universidad Católica de Chile.
- 2011-2016** PhD student "Functional interaction between dopamine D2 receptor and kappa opioid receptor in an animal model of obsessive compulsive disorder". Laboratory of Dr. María Estela Andrés, Cellular and Molecular Biology Department. Faculty of Biological Sciences. Pontificia Universidad Católica de Chile.
- 2010** Research assistant, Laboratory of Dr. José Fuentealba, Department of Pharmacy, Faculty of chemistry. Pontificia Universidad Católica de Chile. Milenium Science Nucleus in stress and addiction.
- 2009** Undergraduate student, Laboratory of Dr. José Fuentealba, Department of Pharmacy, Faculty of chemistry. Pontificia Universidad Católica de Chile. Milenium Science Nucleus in stress and addiction.

ACADEMIC EXPERIENCE

- 2014** Teacher in the second international LARNEDA theoretical and practical course: Fast Scan Cyclic Voltammetry and Microdialysis
- 2013** Teacher of the topic: Compulsion and Dopamine D2 receptors, PhD course of motivated behavior (Conductas motivadas). Dept of Cell and molecular biology, Pontificia Universidad Catolica de Chile.
- 2013** Teacher assistant, biology of the Cell. Faculty of Biological Sciences. Pontificia Universidad Catolica de Chile.
- 2010-2013** Instructor of "Bases cientificas de la adiccion workshop" for high school and elementary students. NEDA-educa program. Millenium Science Nucleus in Stress and Addiction.
- 2012** Laboratory teacher, "Bases neurobiologicas de la adiccion", CEDA, Pontificia Universidad Catolica de Chile.

SCIENTIFIC COURSES

- 2014** Curso teórico Práctico de Microscopía Electrónica, Curso dictado por el Núcleo Milenio en Estrés y Adicción, Dra Susan Sesack, Dr. Pablo Henny. Unidad de Microscopía, Facultad de Ciencias Biológicas, Pontificia Universidad Católica de Chile.
- 2013** Pasantía en el laboratorio del Dr. Rodrigo España, Drexel University college of medicine. Implementación de Fast scan cyclic Voltalmetry en el laboratorio de la Dra. María Estela Andrés
- 2012** Segunda escuela latinoamericana de neuroquímica avanzada "The synapse in health and disease" Septiembre 2012, Buenos Aires Argentina Montevideo Uruguay.

SCIENTIFIC MEETINGS ASSISTANCE

- 2015** Gordon research Conference: "Catecholamines", Sunday River, Newry, M.E., USA August 9-14. ***Neurochemical and histological studies support a pre and post-synaptic functional interaction explaining KOR-dependent potentiation of quinpirole-induced locomotor sensitization.*** Angelica P. Escobar, Verónica Noches, Rodrigo Meza, Pablo Henny, Katia Gysling, Rodrigo España and María E. Andrés.
- 2015** Annual meeting of the chilean societies of Neurosciences, Pharmacology and Physiology, Coquimbo, IV region, Chile, September 22-25. ***KOR-dependent potentiation of quinpirole-induced sensitization: neurochemical interaction and***

cohabitation with D2 receptors. Escobar, P Angélica., Noches, Verónica., Meza, Rodrigo., Henny, Pablo., Gysling, Katia., Fuentealba, José A., España, Rodrigo., Andrés, Maria E.

- 2014** Society for Neuroscience. Washington D.C, United States, November 15-19. **Effects of acute and repeated Kappa opioid and dopamine D2 receptor activation on phasic and tonic dopamine neurotransmission in the Nucleus Accumbens.** Angélica P. Escobar, Marcela P. González, José A. Fuentealba, Rodrigo España and María E. Andrés.
- 2014** Society of Pharmacology of Chile, Termas deChillán, Chile, November 5-7. **Tonic and Phasic dopamine neurotransmission in the rat nucleus accumbens after acute and chronic kappa opioid and dopamine D2 receptor activation.** Escobar, A.P.; González, M.P.; Fuentealba, J.A.; España, R. and Andrés, M.E.
- 2013** Alcohol and other drugs of abuse: from molecules to human disorders. Concepción, Chile, October 15-18. **Kappa opioid effects on D2 regulation of dopamine release in the Nucleus accumbens.** Angelica P. Escobar, Marcela P. Gonzalez, José Fuentealba , Rodrigo España and María E. Andrés
- 2013** Gordon research Conference: “Catecholamines” Mount Snow, West Dover, VT, USA, August 11-16. **Kappa opioid effects on of D2 regulation of DA release in the NAcc.** Angelica P. Escobar, Marcela P. Gonzalez, José Fuentealba and María E. Andrés.
- 2012** ISN Special Conference: “Synapses and dendritic spines in health and disease”, Buenos Aires, Argentina, September 12-15, 2012. **Functional and Molecular Interaction between D2 and Kappa Opioid Receptors: role in locomotor sensitization to quinpirole.** A.P. Escobar, F.A. Cornejo, J.A. Fuentealba, M.E. Andrés.
- 2010** XXV annual meeting Sociedad Chilena de Ciencias Fisiológicas, October 23-26. **Dopamine release is increased in the nucleus accumbens of sensitized rats after repeated administration of amphetamine; an effect reverted by the kappa opioid agonist U69593.** Escobar A.P., Andrés M.E., Fuentealba J.A.

HONORS AND AWARDS.

- 2017** Postdoctoral fellowship, Centro Interdisciplinario de Neurociencias de Valparaíso.
- 2014** Best original work at the annual meeting of the Society of Pharmacology of Chile, Termas de Chillán 5-7 November.
- 2013** Scholarship of the International society of Neurochemistry (ISN) Committee for Aid and Education in Neurochemistry (CAEN), Category of Research: visit by the applicant to another laboratory. Internship at the laboratory of Dr. Rodrigo España, Drexel University College of Medicine, June-September 2013.

- 2013** Stay abroad for PhD students and Postdocs, Scholarship for assistance to the laboratory of Dr. Rodrigo España, Drexel University College of Medicine, June-September 2013.
- 2012** Scholarship for assistance to the ISN School of Neurochemistry -2nd Latin American School of Advanced Neurochemistry "The synapse in health and disease" September 2-14, 2012, Buenos Aires and Montevideo.
- 2011** PhD scholarship for academic year 2011 in Chile (Beca para estudios de Doctorado en Chile año académico 2011), CONICYT.
- 2010** Award for best career trajectory in Chemistry and Pharmaceutical Sciences, (Premio mejor trayectoria en la carrera de química y farmacia 2010), Pontificia Universidad Católica de Chile

PUBLICATIONS

- 2017** **Escobar AP**, González MP, Meza RC, Noches V, Henny P, Gysling K, España RA, Fuentealba JA, Andrés ME. Mechanisms of kappa opioid receptor potentiation of dopamine D2 receptor function in quinpirole-induced locomotor sensitization in rats. *Int J Neuropsychopharmacol*. 2017 May 22. [Epub ahead of print]
- 2015** **Escobar AP**, Cornejo FA, Olivares-Costa M, González M, Fuentealba JA, Gysling KG, España RA, Andrés ME. Reduced dopamine and glutamate neurotransmission in the nucleus accumbens of quinpirole-sensitized rats hints at inhibitory D2 autoreceptor function. *J Neurochem*. 2015 Sep; 134 (6):1081-90.
- 2012** **Escobar Adel P**, Cornejo FA, Andrés ME, Fuentealba JA. Repeated treatment with the kappa opioid receptor agonist U69593 reverses enhanced K⁺-induced dopamine release in the nucleus accumbens, but not the expression of locomotor sensitization in amphetamine-sensitized rats. *NeurochemInt*. 2012 Mar; 60(4):344-9.