

Pavel Prado, Ph.D. Post-doctoral fellow

Education

2000 B.Sc. Biology. University of Havana, Cuba

2006 MSc. Animal Physiology, University of Havana, Cuba

2013 Ph.D. Health Sciences, University of Medical Sciences, Havana, Cuba

Current position

Post-doctoral fellow at the Laboratory of inter-cellular communication, CINV.

Current project: Deafness mechanisms involving connexin 26 mutations revealed by studies using mice models

Previous position

Associate Researcher and Head of the Basic Neuroscience Department, Cuban Neuroscience Center, Havana, Cuba

Selected awards and scholarships

2001 IBRO Course on Neuroscience, Havana, Cuba

2003 IBRO Scholarship for performing research at the Otolaryngology Department of the University of Melbourne, Australia

2005 IBRO/INMHA Advanced School of Neuroscience Buenos Aires, Argentina

2007 CNC/IBRO Workshop on Cognitive Neuroscience, Havana, Cuba

2008 IV School of Neuroscience "Stem Cell, Development and Plasticity", Rio de Janeiro, Brazil

2008 Honorable Mention of the IBRO Alumni Program, I NEUROLATAM, Buzios, Brazil, 2008

2009 HearTrust Scholarship for performing research at the Psychology School, University of Manchester, UK

2013 Latin-American School on Ion Channel Biophysics. Valparaiso, Chile

2014 CINV Postdoctoral Fellowship Program, Valparaiso, Chile

Selected publications

Arteaga-Pérez ME, et al. (2004) Multiple dose toxicity study of the humanized anti-epidermal growth factor receptor monoclonal antibody h-R3 intravenously administered to *Cercopithecus aethiops sabaesus* monkeys. *Human & Experimental Toxicology* 23 (5): 219-227

Rodríguez S, et al. (2005) Histological changes induced by ototoxicity in rats. Cytoarchitecture of Organ of Corti and Spiral Ganglion. *Revista Ecuatoriana de Neurología* 14(1-3): 13-16

Prado-Gutiérrez P, et al. (2006) Effect of interphase- gap and pulse duration on electrically evoked potentials is correlated with auditory nerve survival in deafened guinea pigs. *Hearing Research* 215(1-2): 47-55

Prado-Gutiérrez P, et al. (2006) Effect of the sensorineural hearing loss on the spiral ganglion of adult rats. *CNIC Ciencias Biológicas* 37(4): 372-376

Rodríguez S et al., (2008). Pathological changes induced by ototoxicity on spiral ganglion neurons and its peripheral processes. *Revista Ecuatoriana de Neurología* 17(1-3): 15-18.

Casaco A, et al. (2010) Hematological, biochemical, respiratory, cardiovascular and electroneurophysiological parameters in African green monkeys (*Cercopithecus aethiops sabaesus*). Its

use in nonclinical toxicological studies. *Journal of Medical Primatology* 39(3): 177-186.

Mercerón-Martínez D, et al. (2012) Morphological changes induced by three aminoglycosides on the cochlear stria vascularis. *Revista Ecuatoriana de Neurología* 21 (1-2)

Prado-Gutierrez P, et al. (2012) Maturation time course of the Envelope Following Response to amplitude-modulated acoustic signals in rats. *International Journal of Audiology* 51(4): 309-316

Castro-Fariñas A, et al. (2012) Time course of the amplitude of the Auditory Steady State Evoked Potential in rats. *CNIC Ciencias Biológicas* 42(2): 60-65

Ferro-Pérez MB, et al. (2012) Social behavior and daily activity pattern of *Macaca arctoides* in captivity. *REDVET Revista Electrónica de Veterinaria* 13(7): 1-15

Selected proceedings and meetings (last five years)

Prado-Gutiérrez P, et al. Supplement of Zn in the diet protects transgenic mouse of the Ataxia type SCA-2. One year of treatment. Scientific Conference Neural Restoration Havana, Cuba, 2009.

Prado-Gutierrez P, et al. Cortical activation pattern of deaf patients during a lip-reading task 16th Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain, 2010; Frontiers 2010, The Art, Science and Future of Otorhinolaryngology Melbourne, Australia, 2010.

Akhoun I, et al. Investigating neural density and refractoriness via peripheral electrophysiological measurements. 11 International Conference of Cochlear Implants and Other Implantable Auditory Technologies, San Diego, USA, 2010.

Prado-Gutierrez P, et al. (2011) Electrophysiological characterization of the African Green Monkey (*Cercopithecus aethiops*) for its use as an experimental model. *Anthropos 2011 Proceedings*, ISBN: 978-959-7091-77-6

Casaco A, et al. (2011) Scientific, regulatory and ethical considerations for increasing efficiency in planning non-human primate toxicological studies of pharmaceutical. *Anthropos 2011 Proceedings*, ISBN: 978-959-7091-77-6

Bazán-Prieto C, et al. (2011) L. Neural Stimulator with bi-phasic current pulses. *IFMBE Proceedings* 33, www.springerlink.com, ISBN: 978-3-642-21197-3

Díez-Aldama T, et al. (2012) Roll of the family in the social behavior of non-human primates in captivity. *Memories II International Workshop Animal Science*, ISBN: 978-959-7190-16-5

Prado-Gutiérrez P et al. Non-stationarity of the scalp-recorded auditory steady state response evoked by amplitude-modulated acoustic signals in rats. VII Ibero-American Congress of Biophysics and IX Annual Meeting of the Chilean Neuroscience Society, Valparaiso, Chile, 2013.

García-Puente Y, et al. Exploring tools for the time frequency analysis of non-stationary brain responses. 1st International Congress of Clinical Neuroscience and Psychiatry "Brain and Mind", Havana, Cuba, 2013.

Prado-Gutiérrez P, et al. Maturation of the habituation of the auditory steady state response to amplitude-modulated acoustic signals in rats. Scientific Conference Neural Restoration Havana, Cuba, 2014.