

RESUME

Ixchelt Cuaranta Monroy

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Birth Date: 18 / 03 / 1979 Mexico, DF.

Gender: Female

WORK EXPERIENCE

February 2011 to present	<p>Researcher – PhD and Predoctoral student Nuclear receptors Laboratory, Department of Biochemistry and Molecular Biology, University of Debrecen Medical and Health Science Center. Gene expression analysis during adipocyte differentiation from mouse embryonic stem cells and iPS cells. Expertise in: Stem cell culture specific and general techniques. Embryonic stem cells adipocyte differentiation. RNA seq and ChIP seq. iPS generation from primary mouse embryonic fibroblast and Tail Tip fibroblast gereration. General molecular biology Lab techniques.</p>
August 2009-December 2010	<p>Researcher Assistant Ionic Channels Laboratory, Physiology Department, Universidad Autónoma de San Luis Potosí, School of Medicine, México. Study of the modulation of calcium ionic channels. Expertise in: General molecular biology techniques such as cloning, subcloning, amplification of plasmidic DNA, cell culture, transfection and patch clamp.</p>
2005 - 2008	<p>Researcher - Graduate Student (Thesis) (National scholarship granted) “Overexpression of HOX A10 transcript-1, A11 and B13 genes in ovarian tissues with malignant pathology.” Universidad Autónoma de Nuevo León, School of Biological Sciences, México. Demostration of the overexpression of HOX A10 transcript-1, A11 and B13 genes in ovarian tissues with malignant pathology. Expertise in: RNA isolation, RT-PCR reaction, end-point and Real time PCR.</p>
2003 – 2004	<p>Researcher - Undergraduate student (Thesis) (National scholarship granted) “Regulation of citoplasmatic pH in the Synaptosomal Preparation From Rat Brain Cortex by ion transporters.” (published) Universidad Autónoma de San Luis Potosí, School of Medicine, México. Study of the ionic transporters that participate in the regulation of citoplasmic pH of the isolated presynaptic nerve endings from cerebral cortex cells of rats, especially on a K⁺-H⁺-antiporter. Expertise in: Dissection of the rat brain cortex, centrifugation techniques to obtain the Synaptosomal preparation, espectrofluorometric techniques.</p>
2003-2004	<p>Social Service in Medical Research Universidad Autónoma de San Luis Potosí, Department of Neurophysiology, México. Laboratory work in the Neurophysiology Department</p>
2002-2003	<p>Undergraduated internship (Honorific mention in undergraduate internship) General Hospital of I.S.S.S.T.E., San Luís Potosí, S.L.P., México. Rotation in the four main Medicine Fields: Internal Medicine, Surgery, Gynecology, Pediatrics. Working actively in the patiens attention, medical discussions and Article review.</p>

EDUCATION

2011to Present	PhD student and Predoctoral student
2005-2008	Master of Science in Immunobiology (GPA 93.1 of 100) School of Biological Sciences, Universidad Autónoma de Nuevo León, México.
1997-2004	Medical Doctor Degree (GPA 8.71 of 10) School of Medicine, Universidad Autónoma de San Luis Potosí, México.

PUBLICATIONS

Cuaranta-Monroy I, Kiss M, Simandi Z, Nagy L. Genomewide effects of peroxisome proliferator-activated receptor gamma in macrophages and dendritic cells--revealing complexity through systems biology. *Eur J Clin Invest.* 2015 Sep;45(9):964-75.

Cuaranta-Monroy I, Simandi Z, Nagy L. Differentiation of Adipocytes in Monolayer from Mouse Embryonic Stem Cells. *Methods Mol Biol.* 2015 Mar 12. [Epub ahead of print]

Cuaranta-Monroy I, Simandi Z, Kolostyak Z, Doan-Xuan QM, Poliska S, Horvath A, Nagy G, Bacso Z, Nagy L. Highly efficient differentiation of embryonic stem cells into adipocytes by ascorbic acid. *Stem Cell Res.* 2014 Jul;13(1):88-97.

Cuaranta-Monroy I, Nagy L. PPAR γ needs a helping hand to make fat. *Cell Death Differ.* 2013 Dec; 20(12): 1599-600.

Simandi Z., **Cuaranta-Monroy I**, Nagy L. Nuclear receptors as regulators of stem cell and cancer stem cell metabolism. *Semin Cell Dev Biol.* 2013 Dec; 24(10-12): 716-23.

Torres ML, Ortega F, **Cuaranta I**, González J, Sánchez-Armass S. Anionic selectivity sequence of the Cl⁻-H⁺ symporter in the synaptosomal preparation from rat brain cortex. *Neurochem Res.* 2008 Aug;33(8):1574-81.