

Curriculum Vitae Laura Senovilla

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Present Position: Postdoctoral Fellow.

Centre National de la Recherche Scientifique, UMR 8125, Institut Gustave Roussy, Pavillon de Recherche 1, 39 rue Camille-Desmoulins, F-94805 Villejuif Cedex, France. Laboratory of Dr. Guido Kroemer since 2007.

Education:

- BS, Biology. SEK University at Segovia. 2002.
- Ph.D. in Physiology. Valladolid University School of Medicine. 2006.

Past Positions:

2002-2006. Graduate Student. Pre-doctoral Fellowship by the Spanish ministry of Education and Science. Institute of Molecular Biology and Genetics (IBGM), University of Valladolid and Spanish research Council (CSIC). Mentors J. García-Sancho and Carlos Villalobos.

List of Publications

- Núñez L, Valero RA, **Senovilla L**, Sanz S, García-Sancho J and Villalobos C. (2006) Cell proliferation depends on mitochondrial Ca²⁺ uptake: Inhibition by salicylate. *J Physiol (London)* 571(1), 57-73.
- **Senovilla L**, García-Sancho J and Villalobos C (2005) Changes in expression of hypothalamic releasing hormone receptors in individual rat anterior pituitary cells during maturation, puberty and senescence. *Endocrinology* 146, 4627-4634.
- **Senovilla L**, Núñez L, de Campos JM, de Luis DA, Romero E, Sánchez A, García-Sancho J and Villalobos C. (2004) Multifunctional cells in human pituitary adenomas: implications for paradoxical secretion and tumorigenesis. *J Clin Endocrinol Metab* 89, 4545-4552.
- Villalobos C, Núñez L, **Senovilla L**, García-Sancho J. (2003) Multifunctional cells of mouse anterior pituitary reveal a striking sexual dimorphism. *J Physiol (London)* 549, 835-843.

Research Projects

- Calcium and cell function. Ministry of Education and Science. PI Javier García-Sancho. 2005-2006
- Calcium and cell function. Ministry of Education and Science. PI Javier García-Sancho. 2002-2005.
- Cancer chemoprevention: mitochondrial calcium as target of NSAIDs and new aspirins. Regional Government of Junta de Castilla y León (VA 05/04). 2005. PI Carlos Villalobos
- Pituitary Pathophysiology: cell plasticity and pituitary tumors. Fondo de Investigaciones Sanitarias (FIS), Spanish Health Department. 2004 – 2006. PI Carlos Villalobos

Communications

- *Expression of functional hypothalamic releasing hormone receptors in individual rat anterior pituitary cells along the life.* XXXIII Congress of The Spanish Society of Physiological Sciences. Seville, Spain. February 2005.
- *Pituitary cell plasticity induced by cold stress.* XXV GEN Meeting. Molina de Segura, Murcia, Spain. December 2004.
- *Influence of age and sex on the nature and relative abundance of anterior pituitary multifunctional cells.* XXIV GEN Meeting. Playas de Orihuela , Alicante, Spain. December 2003.
- *A cell basis for paradoxical secretion in human pituitary tumours.* XXIII GEN Meeting. Montserrat, Barcelona, Spain. December 2003.

Stays in Foreign Labs

- Prof. Ole H. Petersen Lab. The Physiological Laboratory, University of Liverpool, Liverpool, (UK). July – September 2003. Confocal imaging of subcellular calcium oscillations in pituitary cells.
- Prof. Carl Denef Lab. Laboratory of Cell Pharmacology, School of Medicine, Katholieke Universiteit Leuven (Belgium). April – July 2005. Single cell RT-PCR for expression analysis of hypothalamic releasing hormone receptors.