

Curriculum Vitae
GARCÍA-HORSMAN, JUAN ARTURO
Gender: Male
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Date and place of Birth: 23.12.1960, Mexico City.

Citizenship: Finnish/Mexican.

Personal address: Kastellinpolku 4 C19, Helsinki 00970.

Contact address: Division of Pharmacology and Pharmacotherapy, University of Helsinki. Viikinkaari 5E. 00014, Arturo.Garcia@helsinki.fi

Education and academic degrees

Docent (Biochemical Pharmacology)	University of Helsinki	2008
Philosophy Doctor (Biochemistry)	National University of Mexico	1990
Master in Chemical Sciences (Biochemistry)	National University of Mexico	1987
Bachelor in Chemistry (Biochemistry)	National University of Mexico	1985
Major in Chemistry (Physical chemistry)	National University of Mexico	1984

Other education and training

Certified experimental animal training (FELASA category C) 2011.

Certified non-encapsulated radioactivity facility supervisor. Nuclear Safety Council, Spain, License No. X5942760C. **2005**

Master in Radiochemistry (Radiation Safety Officer). Radiochemistry Laboratory, University of Helsinki, 2013-2014.

Linguistic skills

Spanish: Mother tongue

English: Fluent

Finnish: Basic-Medium level

Current position

Head of Pre-clinical Imaging Laboratory	Faculty of Pharmacy, University of Helsinki	2013-
Radiation Safety Officer	Faculty of Pharmacy, University of Helsinki	2014-
Principal Investigator	Division of Pharmacology and Pharmacotherapy, University of Helsinki	2007-

Previous work experience

Group Leader	Centro de Investigación Príncipe Felipe, Valencia, Spain	2004-2007
Senior Researcher	Department of Pharmacology and Toxicology, University of Kuopio	2000-2004
Head of Molecular Biology Laboratory	Drug Development Technology Centre, University of Helsinki	1998-2000
Research Scientist	Department of Medical Chemistry, University of Helsinki	1995-1998
Researcher	Institute of Cell Physiology, National University of Mexico.	1994-1995
Research associate	Department of Biochemistry, University of Illinois at Urbana-Champaign USA	1990-1994

Funding, leadership and supervision

On-going Applications

“Neuroimaging and nanotechnology; evaluation of delivery systems and neuroinflammation tracers”
University of Helsinki Research Grant. Requested 151 000 €

“European Network on Understanding Gastrointestinal Absorption-related Processes: UNGAP”
HORIZON2020 COST ACTION, Proposal ID number: OC-2015-2-20316 €250 000, 2016-2019.

Current Funding

“Real-Time Imaging Laboratory” Biocenter Finland, 14 000 €/year, 2013-

“SPECT/CT Laboratory support” Faculty of Pharmacy, University of Helsinki. 12 000 €/year, 2014-

“Preclinical imaging of the brain in health and disease: neurodegeneration and neuroinflammation”
Postdoctoral Funding for Osama Ahmed Abdel-Kawy, Culture Office and Study Mission of the Republic of Egypt. 24 000 €

Previous Funding

-2010-2012: Prolyl oligopeptidase and inflammation. E. Commission FP7-Health Marie Curie Programme
PIEF-GA-2009-254127, €178,000

-2008-2012: Oligopeptidase inhibitors in brain function and dysfunction: towards new therapeutic strategies
for neuroprotection, NEUROPRO. FP7-Health, E. Commission. HEALTH-F2-2008-223077, €445,000

-2009-2010: Potential of prolyl oligopeptidase as therapeutic target for Parkinson's disease. Finnish
Parkinson Fund €9,000

-2008-2010: Role of prolyl oligopeptidase in differentiation/proliferation in human Centre for International
Mobility, TM 08-6010 and TM-08-5415, Total granted €20,500

-2007-2010: Regulation and localization of prolyl oligopeptidases, their role in cell death. Spanish Ministry
of Science and Education, 2007, €60,000

-2004-2009: Physiology and biochemistry of prolyl oligopeptidases, Spanish Ministry of Science and
Education, Ramón y Cajal Programme, €145,000

Teaching and pedagogical competence

Supervision

2010-	PhD. Pharmacology. MSc Mirva Hannula, University of Helsinki (co-supervisor)
2010-2013	PhD. Pharmacology. MSc Iida Peltonen University of Helsinki (co-supervisor)
2007-2012	Post doctoral. Dr Jofre Tenorio-Laranga
2005-2012	PhD. Molecular Biology. MSc. MJ. Moreno-Baylach. University of Valencia.
2009-2010	MSc. Pharmacology. Anne Penttinen, University of Helsinki.
2007-2008	MSc. Pharmacology. Maria Pärssinen, University of Helsinki.
2010-2011	Msc. Pharmacology. Jonathan Krevine University of Helsinki (University of Paris IX)
2004-2009	PhD. Neuroscience. MSc Jofre Tenorio-Laranga. University of Valencia
1994-1998	PhD. Biochemistry. MSc. Mayra Toledo-Cuevas, University of Mexico

Recent Teaching

2013- Teaching staff TRANSMED: **Imaging in Science and Medicine**, Faculty of Medicine, Master in
Science. University of Helsinki

- 2013- Teaching staff **Advanced Course in Biopharmaceutics, Pre-clinical imaging**, Faculty of Pharmacy, Master in Science. University of Helsinki
- 2008- Teaching staff **Molecular Biology**, Faculty of Pharmacy, Master in Science. University of Helsinki
- 2008- Teaching staff **General Methods in Pharmacology II**, Faculty of Pharmacy, Master in Science. University of Helsinki

Awards and honours

Docentship, 2008, University of Helsinki

Ramón y Cajal fellow 2004-2007, Spanish Ministry of Science

Ph.D. 1990 Graduation with honours.

Fellow of National Council of Science Technology (CONACyT, Mexico), 1985-1990. Doctoral degree “**Gabino Barreda**” award for Best student, M. Sc. 1997

Best student’s scholarship, National University of Mexico, Master’s degree 1995-1997.

Scientific and societal impact of research

Collaborations

DOMESTIC. **Prof Irina Elovaara**, Department of Neurology, Tampere University Hospital; **Prof Markku Mäki**, University of Tampere; **Dr Laura Airas**, Turku University Hospital; **Dr Markus Forsberg** University of Eastern Finland; **Dr Alex Bunker**, Centre of Drug Research, University of Helsinki; **Dr Anu Airaksinen** Laboratory of Radiochemistry, University of Helsinki; **Dr Kim Bergström**, Helsinki University Hospital. **Dr. Jarkko Venäläinen**, Orion Pharma LTD;

INTERNATIONAL. **Prof Steffen Rossner**, University of Leipzig; **Prof Alexander Zharkovsky**, University of Tartu; **Prof Vimos Fülöp**, University of Warwick; **Prof Anne-Marie Lambeir**, University of Antwerp, **Prof Vicente Felipo**, Centro de Investigación Príncipe Felipe, Valencia, Spain; **Prof Maria Karayiorgou**, The Rockefeller University; **Prof Joseph Gogos**, Department of Physiology & Cellular Biophysics, Columbia University. **Dr. Evert van Dijk**, PepScan Holdings, Leystad, The Netherlands;

Publications

Out of 72 references (2 submissions) 70 are indexed (Web of KnowledgeSM) and cited 1998 times (without self-citations), with an average of 31.49 citations per publication and an h-index of 22. (From WEB OF SCIENCE, 22.09.2015 (search: AUTHOR: (GARCIA-HORSMAN J ARTURO OR GARCIA-HORSMAN A OR GARCIA-HORSMAN ARTURO OR GARCIA-HORSMAN J OR GARCIA-HORSMAN J A OR GARCIA-HORSMAN J ARTURO OR GARCIA-HORSMAN JA OR GARCIA-HORSMAN JUAN A OR GARCIA-HORSMAN JUAN ARTURO OR GARCIA HORSMAN J ARTURO OR GARCIAHORSMAN A OR GARCIAHORSMAN JA) NOT AUTHOR: (GARCIA-HORSMAN P OR GARCIA-HORSMAN PATRICIA OR GARCIA-HORSMAN S PATRICIA OR GARCIA-HORSMAN SP OR GARCIAHO J OR GARCIA HORSMAN PATRICIA))

Organization of meetings

Organizing Chair. NEUROPRO-Finnish Pharmacological Society Symposium. Targeting peptidases: new frontiers on neurodegeneration and neuroinflammation. Helsinki, September 26-29, 2012.

Member of the Scientific Committee. International Meeting on Proline-Specific Cleavage and Oxoprollyl Formation – Function and Therapeutic Strategies, Halle, Germany May 2010

Scientific Committee. International Conference on Dipeptidyl Peptidase and Related Proteins, Antwerp, Belgium, 2008

Journal editorial/peer-review duties

Review Editor *Frontiers in Aging Neuroscience*, 2009-

Editor *CNS & Neurological Disorders- Drug Targets* 2010-

Reviewer for *Biochemical Pharmacology*, *Journal of Pharmacology & Experimental Therapeutics*, *Biochimica et Biophysica Acta-Proteins and Proteomics*, *Gene*, *ChemMedChem*, *Toxicology Letters*, *FEBS Letters*, *European Journal of Pharmaceutical Sciences*, *Aging Cell*, *Expert Opinion On Therapeutic Patents*.

Other Expert work

- Evaluator of grant applications, Research Executive Agency, European Commission, FP7/H2020-Marie Curie Programme Brussels, 2010-**
- Parkinson's UK fund 2009-**

Scientific memberships

- Member of the Viikki Research Group Organization in Molecular Biosciences, Helsinki, 2009-**
- Vice-Coordinator and Chair of the Board of NEUROPRO Consortium, 2008-2014**