

CURRICULUM VITAE

Lutgarde Arckens

Title: PhD, Full Professor

Gender: female

Place and Date of Birth: Bree, Belgium, December 15, 1964

Work address: Neuroplasticity and Neuroproteomics, Department of Biology
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EDUCATION/TRAINING

Institution and location	Degree	Year	Field of study
Department of Biology, KU Leuven, Belgium	MSc	1987	Biology/Zoology
Department of Biology, KU Leuven, Belgium	PhD	1995	Animal Morphology & Physiology

SCIENTIFIC CAREER

1997-2004	Post-doc Fellow of the National Fund for Scientific Research Flanders (FWO), Laboratory of Neuroendocrinology and Immunological Biotechnology, KU Leuven
2000-2003	Visiting Professor (part time) KU Leuven, Faculty of Science, Department of Biology
2003-2006	Associate Professor KU Leuven
2006-2009	Full Professor (Hoogleraar) KU Leuven
Since 2009	Full Professor (Gewoon Hoogleraar) KU Leuven
Since 2002	Head of the 'Neuroplasticity and Neuroproteomics' RG, Department of Biology, KU Leuven (currently 2 postdocs, 6 PhD students, 2 part-time technicians)
Since 2014	Head Division of Animal Physiology and Neurobiology, Department of Biology, KU Leuven
Since 2010	Member and, since 2014, President of the Advisory Board for hiring New Academic Personnel for the Faculty of Science, KU Leuven

PROFESSIONAL EXPERIENCES

Consulting activities

Grant reviewing activities

Reviewer for fellowships and R&D projects at the Institute for the Promotion of Innovation by Science and Technology (IWT), Belgium

Reviewer *ad hoc* for the following granting agencies: Dutch National Science Foundation, Canadian Science Foundation, Australian Science Foundation, Polish National Science Center, Multiple Sclerosis Society (England), Research Council KU Leuven

Project advisor

Member of expert panel 'Functional Biology' at the Research Foundation Flanders (FWO), Belgium (since 2014)

Reviewing activities

Member of the Board of reviewing members of the Brain research group, *Frontiers in Neuroanatomy* and *Journal of Experimental Neuroscience*

Reviewer *ad hoc* for *The Journal of Neuroscience*, *Proceedings of the National Academy of Science*, *European Journal of Neuroscience*, *Neuroscience*, *Journal of Neuroscience Methods*, *Chemical Neuroanatomy*, *Journal of Comparative Neurology*, *Current Eye Research*, *Endocrinology*, *Zoological Science*, *Belgian Journal of Zoology*, *Biotechniques*, *Electrophoresis*, *Expert Reviews of Proteomics*, *Journal of Proteome Research*, *Proteome Science*

Awards

08.11.2011 Prijs Phytophar Instituut

Memberships

Belgian Society for Neuroscience (BSN); Society for Neuroscience (SFN); Federation of European Neurosciences (FENS); Member Steering Committee of LIND (Leuven Institute for Neuroscience and disease)

Invited lectures (2005 – 2015)

Invited lectures: a mean of three each year within Europe and the USA, e.g. 'Molecular expression patterns and brain plasticity in mammals', invited by Prof. Dr. J. Balthazart, Université de Liège, Belgium, May 12, 2005; 'Proteomics: recent developments and drawbacks', Oncoforum, invited by Dr. M. Bogaerts, Leuven Kanker Instituut, September 26, 2005.; 'The molecular mechanisms of visual plasticity in mammals', Forshungskolloquium Biophysiology WS 2006/2007, invited by Prof. Dr. UT Eysel, Ruhr Universität Bochum, December 4, 2006; 'Molecular correlates of retinotopic map plasticity in mammals', at Mechanisms and Circuits in Juvenile and Adult Visual Cortex Plasticity Meeting, Amsterdam, The Netherlands, February 19-20, 2007, invited by C Levelt; 'Dynamic changes in activity related gene and protein expression patterns inside and outside the lesion projection zone in area 17 of cats with small retinal lesions', College of Optometry, University of Houston, USA, invited by Prof. Dr. Yuzo Chino, May 14, 2008; 'Dynamic changes in activity related gene and protein expression patterns inside and outside the lesion projection zone in area 17 of cats with small retinal lesions', Department of Psychology, Vanderbilt University, USA, invited by Prof. Dr. Jon Kaas, May 16, 2008; Visual system plasticity in adult mice for the 2nd European meeting on "Mechanisms and Circuits in Juvenile and Adult Visual Cortex Plasticity", Pisa, Italy, May 18-19, 2009, invited by T. Pizzorusso. 'Molecular activity patterns in cat visual cortex predict the effect of retinal lesions on visual perception', 2nd NovoBrain Conference on Mechanisms of cognition, learning and memory, invited by Ulf Eysel, Ruhr Universität Bochum, Germany, March 9-10, 2010; 'Retinal lesion-induced plasticity in visual target areas of the brain', Ophthalmology Department, University of Murcia, January 14, 2012, Murcia, Spain; 'The impact of MMP-3 deficiency on brain structure and function'; July 2014, FENS premeeting Volterra, Italy; 'When whiskers take over visual cortex: the when, where and how of cross-modal brain plasticity', BSN, May 22, Mons, Belgium; 'Deciphering cross modal plasticity in adult mouse visual cortex', 5th EVCM, Seon, Germany, August 30-September 2, 2015.

RESEARCH ACTIVITIES

Research topics

Neuronal plasticity in a) the visual system of mammals; b) learning and memory

For more information, please, see <http://bio.kuleuven.be/df/la/la>.

Scientific output

The author's scientific output consists of > 150 research papers in peer-reviewed international journals, of which many in the field of Visual Neuroscience, and resulted in an h-index of 29 and a total number of citations of 2923 (Web of Science). A complete publication list can be found at <https://lirias.kuleuven.be/cv?u=U0003832>.

Research support over the past five years

Over the past years, I participated in many projects and grants, including EU grants (COST), (inter)national grants (KU Leuven, FWO, IWT grants and fellowships, HERCULES, Canadian and Polish funding), both as promoter, co-promoter, scientific advisor. I secured funding for over € 3 million over the past five years.