

CURRICULUM VITAE

Lieve (Godelieve) MOONS

Title: PhD, Full Professor

Gender: female

Place and Date of Birth: Leuven, Belgium, September 12, 1962

Work address: Department of Biology - Neural Circuit Development and Regeneration RG

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EDUCATION/TRAINING

Institution and location	Degree	Year	Field of study
Department of Biology, KU Leuven, Belgium	MSc	1984	Biology/Zoology
Department of Biology, KU Leuven, Belgium	PhD	1990	Animal Morphology & Physiology

SCIENTIFIC CAREER

1990-1991	Post-doc Fellow, Laboratory of Neuroendocrinology and Immunological Biotechnology, KU Leuven, Belgium
1991-1994	Research Associate, National Foundation for Scientific Research Belgium (NFWO), Laboratory of Neuroendocrinology & Immunological Biotechnology, KU Leuven, Belgium
1994-1995	Staff Scientist, Center for Molecular and Vascular Biology, KU Leuven, Belgium
1995-2007	Group Leader/Senior Scientist, Center for Transgene Technology and Gene Therapy, Flemish Interuniversity Institute for Biotechnology (VIB), Belgium
2000-2004	Assistant Professor, Faculty of Medicine, Department of Molecular and Cellular Medicine, KU Leuven, Belgium
2004-2007	Associate Professor, Faculty of Medicine, Department of Molecular and Cellular Medicine, KU Leuven, Belgium
2007-2008	Associate Professor, Faculty of Science, Department of Biology, KU Leuven, Belgium
Since 2008	Full Professor, Faculty of Science, Department of Biology, KU Leuven, Belgium
Since 2007	Head of Neural Circuit Development and Regeneration RG, Biology Department, KU Leuven, Belgium (currently 4 PD & 10 PhD fellows & 1 FTE ATP)

PROFESSIONAL EXPERIENCES

Reviewing and consulting activities

- Solicited reviewer for various journals, including The Journal of Neuroscience, The Journal of Clinical Investigation, Journal of Cellular & Molecular Medicine, Faseb Journal, PLoSOne, BMC Cell Biology, Experimental Brain Research, Acta Ophthalmologica, Experimental Eye Research, IOVS, Circulation, Circulation Research, Thrombosis and Hemostasis, Arteriosclerosis, Thrombosis and Vascular Biology, American Journal of Pathology, Frontiers in Bioscience, PLoS Genetics, etc.
- Reviewer *ad hoc* for fellowships and R&D projects at the Institute for the Promotion of Innovation by Science and Technology (IWT), Belgium (since 2006)
- *Ad hoc* advisor for the histology/morphology unit of ThromboGenics NV, Heverlee, Belgium (since 2009)
- Consultant for the animal model/histology unit of the Vesalius Research Center, VIB, Belgium (since 2010)
- Member of the Research Council – KU Leuven (2005-2011)
- Member of the Industrial Research Council – KU Leuven (since 2012)
- Member of expert panel 'Functional Biology' at the Research Foundation Flanders (FWO), Belgium (since 2010, panel-chair from 2014 on)
- Member of the European Research Council (ERC) evaluation panel LS7 - Diagnostic tools, therapies and public health (since 2010, panel vice-chair since 2012)

Awards (since 2007)

2011: 1st Prize Fund for Research in Ophthalmology 2011 (promoter of laureate Lies De Groef)

2013: 1st Prize Fund for Research in Ophthalmology 2013 (promoter of laureate Jessie Van houcke)

2014: 1st Prize Fund for Research in Ophthalmology 2014 (promoter of laureate Kim Lemmens)

Memberships

Society for Neuroscience (SfN) - Federation of European Neurosciences (FENS)- International Society for Fibrinolysis and Proteolysis - Belgian Society for Cell and Developmental Biology (BSCDB) - European Association for Vision and Eye Research (EVER) - The Association for Research in Vision and Ophthalmology (ARVO)

Invited lectures (2005 – 2015)

On average two to three per year within Europe and/or USA, e.g. Gordon Research Conference 'Neurotrophic Factors', June 19-23, 2005, Newport, USA; 5th International Symposium on the Biology of Endothelial Cells, September, 23-25, 2005, Dresden, Germany; European Institute of Health: Regenerative Medicine, October 10, 2005, Göteborg, Sweden; First Maastricht Symposium on Vascular Interventional Cardiology, April, 28, 2006, Maastricht, The Netherlands; 16th Annual Meeting of the European Tissue Repair Society, September 13-16, 2006, Pisa, Italy; 4th International Kloster Seeon Meeting Angiogenesis, September 16-19, 2006, Kloster Seeon, Germany; European Institute of Health: Research in Regenerative Cardiovascular Medicine: from idea to clinical application, October 14, 2006, Brussels, Belgium; 15th Scientific Meeting of the 'Fondation Rene Touraine', November 17, 2007, Paris, France; Glaucoma from eye to brain: involvement of MMPs, Ophthalmology Department, University of Murcia, January 14, 2012, Murcia, Spain; Gordon Conference on Matrix Metalloproteinases: Crucial Components of Molecular Networks and Disease Pathways, May 19-24, 2013, Lucca (Braga), Italy; Workshop series "Current Trends in Biomedicine 2014": Proteases at work: cues for understanding neural development and degeneration, October 20-22, 2014, Baeza, Spain; ARVO Optic Nerve Degeneration Meeting 2015: FISHing for neuroregenerative strategies in an aging environment, December 8-11, 2015, Obergurgl, Austria.

RESEARCH ACTIVITIES

Previous research activities (before 2007)

Functional genomics in mice, zebrafish and *Xenopus*: use of genetic and phenotyping technologies to study the molecular basis of: (i) (lymph)angiogenesis in health and disease; (ii) cardiovascular disorders including hemostasis, atherosclerosis, stroke, myocardial ischemia; (iii) the role and therapeutic potential of angiogenic growth factors in neurodegeneration; (iv) the role of angiogenic growth factors in neuronal patterning and axon guidance.

Current research activities (after 2007)

Functional genomics in mice and zebrafish: use of genetic loss/gain-of-function strategies in combination with *in vivo* and *ex vivo* experiments to define the importance of proteinases, growth factors and neuropeptides in the developing and regenerating central nervous system (CNS), with a major focus on development and repair of the visual system. For more information, see <http://bio.kuleuven.be/df/LM/>

Scientific output

Scientific output consists of > 160 research papers in peer-reviewed international journals, of which many recent papers within the field of visual neurosciences. This work resulted in a h-index of 60 and a total number of citations of 19335 (Web of Science). A complete publication list can be found at: <https://lirias.kuleuven.be/cv?u=U0012643>.

Research support

Over the past decade, I participated in many projects and grants, including EU grants (6th & 7th framework), international research grants (AHAF, AACR, ALSA, MDA grants, etc.) and national grants (IUAP grant, KU Leuven IF, FWO, IWT grants), both as promoter or co-promoter. I also secured national (academic & industrial) funding for over 15 PhD and PD fellowships.