

Curriculum vitae

Marjo Salminen

Education: 1989 MSc, Department of Genetics, University of Helsinki
1995 PhD, Department of Genetics, University of Helsinki
2003 Docent in Molecular Biology, Dept. of Genetics, University of Helsinki

Professional experience:

1987, Laboratory of Genetechnology, University of Helsinki. Masters student designing new eukaryotic expression vectors to efficiently produce proteins in mammalian cell lines.

1987-1990, Laboratory of Biotechnology, Orion Pharmaceutica Inc., cloning and characterizing the rat and human genes for the catechol-O-methyltransferase, an enzyme implicated in the inactivation of circulating catechol hormones, catechol neurotransmitters, catecholamines and drugs used against the symptoms of the Parkinson's disease.

1990-1995, Institute Cochin, INSERM U129 laboratory, Paris, France. PhD student studying of the regulatory mechanisms of the muscle-specific promoter of the human aldolase A gene using cell culture and transgenic mouse models.

1995-1999, laboratory of Professor Peter Gruss in the Max Planck Institute for Biophysical Chemistry in Göttingen, Germany. Post-doctoral fellow investigating mouse genes (Netrin1 and Apaf1) involved in the development of the inner ear and the central nervous system using genetically modified mouse models. Also studied the differentiation of embryonic stem cells and involved in a large scale mouse genome mutagenesis project (gene trap).

1999-2001, Dept. of Cell and Molecular Biology, Karolinska Institute, Stockholm, Sweden. Post-doctoral fellow working with Prof. Jonas Frisé and Prof. Lennart Philipson. Adult mouse neural stem cell biology, role of Netrin1.

2001-2007, Institute of Biotechnology, University of Helsinki, Finland. Group leader in the Program of Developmental Biology. Project title: Development of inner ear and brain, role of Netrin1 and Gata-factors.

2008 – to present, Department of Veterinary Biosciences, University of Helsinki, Finland. University Lecturer. Project title: Development of inner ear and brain, role of Netrin1 and Gata-factors.

Coordinator experience:

Coordinator of EU Early Stage Training project "DevSignalNet" (involving 11 Finnish Developmental biology research groups), funding awarded for 7 PhD students 1.3.2006-28.2.2010.

Coordinator of training given in Developmental biology by the Institute of Biotechnology, University of Helsinki 2001-2005.

International scientific evaluations as an invited expert:

EU Marie Curie evaluations Fp6 Life Science panels (RTN, EST, ToK, IAP, ERG/IRG) 2003-2006.
EU Marie Curie evaluations Fp7 Life Science panels (ITN, IEF, IIF, OIF) 2007-2013.
EU Marie Curie evaluations Fp8 Life Science panels (ITN) 2013-2015.
EU Fp7 evaluation of Cooperation Health-2009-2.1.2-1 call: Systems biology approaches for basic biological processes relevant to health and disease.
Vice chair in EU Marie Curie evaluations Fp7 Life Science panels (ITN, IAPP) 2008-2013.
South Moravian Programme for Distinguished Researchers (co-funded by Marie Curie Actions) evaluation 2010.

National scientific evaluations as an invited expert:

Academy of Finland evaluation spring 2002 and spring 2004.
University of Helsinki Research Council evaluation of postdoctoral position applications 2008, 2010 and 2012.
University of Helsinki Three-year grant evaluation 2009 and 2012.
Evaluation of applications for the position of Research Coordinator at the University of Helsinki GM mouse unit at the Laboratory Animal Centre 2011.

Organisatory experience

Co-organiser of an international meeting "Cellular mechanisms of Development" May 8-10, 2003 Helsinki.
Co-organiser of the Annual Meeting of the Finnish Society of Developmental Biology, November, 2004, Hyytiälä Forestry Field Station, University of Helsinki.
Co-organiser of an international meeting: SIGRID JUSELIOUS SYMPOSIUM "Cell Communication in Morphogenesis", June 3 – 6, 2007, Hanasaari, Finland.
Co-organiser of the joint meeting: Finnish German Doctoral Training Network in Developmental Biology (FinGerDevNet) kick-off symposium and Annual Meeting of the Finnish Society of Developmental Biology, November 15-17, 2007, Hyytiälä Forestry Field Station.
Main organiser and coordinator of the EU Fp6 Marie Curie PhD program DevSignalNet Final Symposium, January 8th, 2010, Helsinki.

Research positions/grants 2001- to present

2001 Academy of Finland (homecoming fellowship), 3 months
2001-2006 Academy of Finland Research Fellow Position, 5 years, 1.8.2001-31.7.2006.
2008 - University lecturer in biochemistry, cell and molecular biology, permanent position.

Recent research funding 2006 -

2006-2009 Finnish Academy NEURO program 177.160 €
2006-2010 EU Early Stage Training funding, Total 1,27 milj. Eur, Coordinator's share 190.000 €
2009-2011 Sigrid Jusélius Foundation, with Juha Partanen, 158.500 €
2012-2015 Sigrid Jusélius Foundation, with Juha Partanen, 215.500 €
2013-2016 International evaluation of research and training 2005-2010, 30.000 €

Scientific trust positions

Board member of the Finnish Society of Developmental Biology 2002-2005.

Board member of the Finnish Graduate School of Neuroscience 2002-2013.

Prize

Scientific book of the year 2003 by The Federation of Finnish Learned Societies (textbook in Finnish in developmental biology for medical and biology students): Sariola, H., Frilander, M., Heino, T., Jernvall, J., Partanen, J., Sainio, K., **Salminen, M.**, Thesleff, I. Kehitysbiologia. Solusta yksilöksi. 2003. Kustannus Oy Duodecim, Helsinki.

Patent:

Ulmanen, I, **Salminen, M.**, Lundström, K., Kalkkinen, N., Tilgmann, C., Jalanko, A., Söderlund H. Catechol-O-methyltransferase, polypeptide sequences and DNA molecule. Patent assignee: Orion Yhtymä Oy. Patent number: WO 9111513 A3, Date: 911017.