

CURRICULUM VITAE
Leena Peltonen, M.D., Ph.D.

EDUCATION

M.D., University of Oulu	1976
Ph.D., University of Oulu	1978
Docent in Cell Biology, University of Oulu	1982
Docent in Molecular Genetics, University of Helsinki	1991

PROFESSIONAL EXPERIENCE

M.D., Ph.D. Student, Collagen Research Unit , University of Oulu, Finland	1973 – 1976
Post-doctoral Fellow, Dept. of Biochemistry ,Rutgers Medical School, NJ, USA	1978 – 1980
Acting Associate Professor, Department of Cell Biology, University of Oulu, Finland	1981 – 1984
Senior Scientist of The Academy of Finland, Recombinant DNA Laboratory, University of Helsinki	1985 – 1986
Head of the Laboratory, Laboratory of Molecular Genetics, National Public Health Institute, Finland	1987 – 1991
Professor of Molecular Biology, Director of the Molecular Biology Program, National Public Health Institute	1991 – 1994
Professor, University of Helsinki and National Public Health Institute	1995 – 1998
Chairman and Professor of Department of Human Genetics, UCLA	1998 – 2002
Director, the Center of Excellence of Complex Disease Genetics	2000 -
Professor of Medical Genetics and Molecular Medicine, University of Helsinki and National Public Health Institute, Finland	2002 – 2003
Academy Professor, the Academy of Finland	2003 – 2007
Co-ordinator, The Nordic Center of Excellence in Disease Genetics	2004 -
Visiting Professor, the Broad Institute, MIT & Harvard, University of Cambridge, MA, USA	2005 –
Research director, Institute for Molecular Medicine Finland FIMM, University of Helsinki and National Public Health Institute, Finland (from 1 st January, 2009 - National Institute for Health and Welfare (THL)	2007 -
Head of Human Genetics, Wellcome Trust, Sanger Institute, UK	2007 -

POSITIONS HELD IN SCIENTIFIC SOCIETIES INCLUDE:

Chairman of the Finnish Connective Tissue Society	1984 – 1985
Chairman, Finnish Society of Medical Genetics	1990 – 1992
European Molecular Biology Organization (EMBO), Member	1991 –
Human Genome Organization, Member of the International Council	1991 – 1998
European Society of Human Genetics, Member of the Council	1992 – 2000
Finnish Academy of Science and Letters, Member	1993 –
Hereditary Disease Foundation, Scientific Advisory Board Member	1999 – 2002
European Academy of Sciences (Academiae Europaeae), Elected Member	1999 –
American Society of Human Genetics, Member, Board of Directors	2001 – 2004
European Society of Human Genetics, President	2004 – 2005
Societas Scienterum Fennica, Elected Member	2002 –
Chair, Populations and Public Health Strategy Committee, Wellcome Trust	2004 -
HUGO – President	2005 - 2007
Foreign Associate Member in the Institute of Medicine of the National Academies, USA	2006 -

OTHER PROFESSIONAL ACTIVITIES AND FUNCTIONS IN INTERNATIONAL ORGANIZATIONS INCLUDE:

Chairman of the Medical Research Council of Finland (Academy of Finland)	1995 – 1997
EURESCO Scientific Steering Committee, Member	1996 – 1998
Scientific Advisory Board, Center for Molecular Medicine, Karolinska Institutet, Stockholm, Sweden, Member	1996 –
Chairman of the European Medical Research Council	1996 – 1998
Science and Technology Policy Council of Finland, Member	1996 – 1998
CSC of Finland (Center of Scientific Computing), Member of the Board	1995 – 1998
International Bioethics Committee, UNESCO, Member	1998 – 2003
Scientific Advisory Board of the Genome Research Programme, Foundation for Strategic Research,	

Sweden, Member	1999 –
Scientific Advisory Board of the Finnish Genome Center, University of Helsinki, Member	2000 – 2002
International Advisory Board, SWEGENE, Sweden, Member	2000 – 2004
Scientific Advisory Board, Marshfield Medical Research and Education Foundation's Medicine Program, Member	2001 – 2002
Scientific Advisory Board of UK Biobanks, Member	2001 –
Chair, International Jury of the Netherlands Genome Initiative	2001 – 2003
Member, Board of Genetics Prize of the Peter Gruber Foundation	2001 –
Scientific Advisory Board of the Shanghai Genome Center, Member	2002 –
Scientific Advisory Board, Genome Canada, Member	2002 – 2003
Institutional Advisory Board of VIB, Ghent, Belgium	2003 –
Board of Publicly Funded Population Projects in Genomics (P3G), Member	2004 –
Member, Board of European Research Council (ERC)	2005 –
Wellcome Trust, Populations and Public Health Strategy Committee, Chair	2005 –
UNIK International Expert Panel, Minister of Science, Technology and Innovation, Denmark	2008 – 2013
International Advisory Panel (IAP) - Government of Catalonia - Catalan Pact for Research and Innovation	2007 –
Future Trends Forum (FTF), Bankinter Foundation of Innovation, Spain	2008 –

EDITORIAL BOARD ACTIVITIES IN SCIENTIFIC JOURNALS:

Member of the Editorial Board:	Psychiatric Genetics	1989 –
	Molecular and Cellular Probes	1990 – 2002
	European Journal of Human Genetics	1991 – 2004
	Human Mutation	1991 – 2004
	American Journal of Medical Genetics	1992 –
	Biological Chemistry	1994 – 2000
	Human Molecular Genetics	1994 – 2004
	Genome Research	1995 – 1999
	Gene Function & Disease	2000 –
	Molecular Genetics and Metabolism	2000 –
	Current Opinion in Genetics & Development	2000 –
	Annals of Human Genetics	2008 –
Editor-in-Chief:	Annals of Medicine	1990 – 1994

PRIZES AND AWARDS:

The Antoine Marfan Award (The National Marfan Foundation, USA)	1992
The Anders Jahre Prize for young scientist, Poul Astrup Prize	1992
Matti Äyräpää Prize (Finland)	1993
Woman of the Year (Finland)	1994
Lennox K. Black Prize (Thomas Jefferson University, USA)	1996
Mauro Bachiroto Prize (European Society of Human Genetics)	1997
Gordon & Virginia MacDonald Distinguished Chair in Human Genetics-UCLA	1999
Honorary Doctor of Medicine, University of Uppsala, Sweden, Millennium Promotion	2000
Ribicoff Lecturer, Yale University, Naomi M. Kanof Clinical Investigator Award Lectureship, The Society for Investigative Dermatology, USA	2001
Abbott Award of Molecular diagnostics, International Federation of Clinical Chemistry and Laboratory Medicine	2002
The Margaret Pittman Lectureship Award, National Institute of Health, USA	2004
Honorary Doctor of Philosophy, University of Joensuu, Finland	2004
European van Gysel Prize for Biomedical Research	2006
Eric K. Fernströms Nordiska Priset	2006
Honorary Professor of the Faculty of Clinical Medicine, Univ of Cambridge, UK	2008 - 2013

ORIGINAL SCIENTIFIC PUBLICATIONS AND Ph.D. THESIS SUPERVISION:

524 original publications and 77 review articles in international scientific journals and books.
Supervised 71 Ph.D. theses.