

CURRICULUM VITAE

Lauri A. Aaltonen, M.D., Ph.D.

Name Lauri Antti Aaltonen
Date of Birth 3rd December 1963 Espoo, Finland
Nationality Finnish

Current main positions

Academy Professor 8/2002-7/2007, 1/2008-
Professor of Tumor Genomics, University of Helsinki 8/2007-
Director, Genome Scale Biology Research Program, University of Helsinki 2009-
Member, European Molecular Biology Organization EMBO (invitation) 2000-
Member, Finnish Academy of Science and Letters (invitation) 2002-
Member, European Academy of Cancer Sciences (invitation) 2010-
Member, Academy of Finland Center of Excellence in Translational Genome-Scale Biology 2006-2011
Member, Biocentrum Helsinki 2001-
Docent (Medical molecular genetics), University of Helsinki 1996-
Member of the Board, Helsinki Biomedical Graduate School 2008-
Vice Member, University of Helsinki's Collegium 2010-

Education

1980-1982 Tapiolan lukio (High School), Helsinki Finland, Graduated May 28, 1982
1983-1989 University of Helsinki, Finland. Faculty of Medicine. MD June 30, 1989
1989-1990 Reserve Officer School / Medical, as conscript. Second lieutenant 1990
1991 Licensed Physician 27 March 1991
1991-1994 University of Helsinki, Finland. Faculty of Medicine. Ph.D. August 30, 1994 (approved with distinction)
1996 December 18, 1996, Docent (medical molecular genetics), University of Helsinki, Faculty of Medicine

Formal pedagogical education

Long term staff development and teacher training course in medical education, 1998-1999, 240 hours. Advanced course in tutoring 1999, 40 hours.

Previous research positions

1991-1994 Pre-Doctoral Fellow, Haartman Institute, Department of Medical Genetics, University of Helsinki
8-10/1992 Visiting researcher, Marshfield Medical Research Foundation, Wisconsin, USA.
1994-1996 Post-Doctoral Fellow, Haartman Institute, Department of Medical Genetics, University of Helsinki
1997-2005 Consultant, HUCH Diagnostic Services
1997-1/2001 Senior Fellow, Academy of Finland
2000-2005 Member, Academy of Finland Center of Excellence in Disease Genetics
1-12/2000 Vice Director, Academy of Finland Center of Excellence in Disease Genetics, (rotating vice directorship, the 5 board members sharing the duties 2000-2005)
2/2001-7/2002 Research Professor, Finnish Cancer Institute
Coordinator (one of five), Biomedicum / Molecular and Cancer Biology program 1998-2005
Member, Nordic Network of Excellence in Disease Genetics 2004-2009

Vice Chairman of the Board, Institute of Biotechnology, University of Helsinki 2004-2010

EU projects

Coordinator, EU Biomed 2 program, Consortium: Identification of the gene for Peutz-Jeghers syndrome, BMH4-CT98-3865 1998-2001

Coordinator, EU 5th framework program, Consortium: New colon cancer genes, QLG2-CT-2001-01861 2001-2005

Coordinator, EU 6th framework program, Consortium: TCAC in Cancer LSHC-CT-2005-518200, 2006-2009

Partner, EU 6th framework program, Consortium: Regulatory Genomics LSHG-CT-2004-512142 2004-2008

Partner, EU 6th framework program, Consortium: MMR-Related Cancer LSHC-CT-2005-018754, 2006-2008

Partner, EU 7th framework program, Consortium: Genetic Instability in Cancer and Precancer HEALTH-F2-2007-201630, 2007-

Partner, EU 7th framework program, Consortium: SYSCOL- Systems Biology of Colorectal Cancer, 258236, 2011-

Awards and Honors

Pharmacia Biotech & *Science* Prize for Young Scientists, European Winner 1995 (Global Award, thesis prize with no age limit)

European Association for Cancer Research, Young Cancer Researcher Award 1998 (European Award, under 35)

Sigrid Juselius Foundation, Young Medical Researcher Award 1999 (national award, under 40)

Institut des Sciences de la Sante' Europe & Me'decine Junior Prize 1999 (EU award in medicine, under 40)

Anders Jahre Medical Prize for young scientists 2000 (Nordic countries award, under 40)

Medix Prize for Biosciences 2003, for publication 82 (National award for best biomedical publication of the year, to all coauthors)

Nominee for Descartes Prize 2005 (project CANCERGENES, with Ian Tomlinson)

University of Helsinki's Occupational safety and health award 2005 (Award for the whole group, for excellence in Occupational Safety and Health)

Matti Äyräpää Prize (main national medical research prize) 2006

Memberships (not by invitation) in scientific societies

Duodecim (Finnish College of Physicians) 1986-

European Association for Cancer Research 1997-

Other academic and professional merits and activities

Advisor secretary to the Academy of Finland's working party for planning of the Finnish Genome Center 1997-8

Thesis pre-examiner Kirmo Wartiovaara U of Helsinki 1998

Thesis pre-examiner Pia Huusko U of Oulu 1999

Thesis pre-examiner Jyrki Kaukonen U of Helsinki 2000

Thesis pre-examiner Maria Berends U of Groningen, Holland 2000

Thesis pre-examiner Glenn Lobo U of Technology, Sydney 2005

Thesis opponent Petra Jernvall U of Oulu 1998

Thesis opponent Nina Nupponen U of Tampere 1999

Thesis opponent Paula Vehmanen U of Helsinki 2001

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------|-------------|
| Thesis opponent | Päivikki Kauraniemi | U of Tampere | 2004 |
| Thesis opponent | Hans Merks | U of Amsterdam | 2004 |
| Thesis opponent | Outi Saramäki | U of Tampere | 2006 |
| Examiner | Conferment of title of Docent on Wael El Rifai U of Helsinki | | 1998 |
| Examiner | Conferment of title of Reader on Richard Houlston Institute of Cancer Research, Royal Cancer Hospital, UK | | 2000 |
| Examiner | Conferment of title of Professor on Richard Houlston Institute of Cancer Research, UK | | 2003 |
| Examiner | Conferment of title of Professor on Ian Tomlinson Imperial College London | | 2003 |
| Examiner | Conferment of title of Professor on Ian Tomlinson U of London / Queen Mary's School of Medicine and Dentistry | | 2003 |
| Examiner | Conferment of position of Professor of Pathology on Darryl Shibata University of Southern California | | 2001 |
| Examiner | Conferment of position of Professor on Bin Teh Van Andel Research Institute, MI, USA | | 2005 |
| Examiner | Conferment of title of Docent on Pasi Koivisto U of Tampere | | 2001 |
| Member of the Scientific Council of the International Agency for Research on Cancer, WHO | | | 1999-2001 |
| Member of the Danish Cancer Society's Scientific and Medical Advisory Board | | | 2003-2006 |
| Member of the Finnish Cancer Society's Grant Review Board | | | 2004-2007 |
| Member, Academy of Finland Center of Excellence in Disease Genetics | | | 2000-2005 |
| Member, Biocentrum Helsinki | | | 2001-2005 |
| External Reviewer: European Commission, Cancer Research Campaign UK, the Wellcome Trust UK, Yorkshire Cancer Research, Italian Association for Cancer Research, Dutch Cancer Society, Academy of Finland (list incomplete) | | | |
| Invited Expert, European Parliamentary Technology Assessment Annual Conference 10/2001, workshop on Genome. | | | |
| Member of the Science Foundation Ireland Scientific Advisory Committee | | | 8/2002-2004 |
| Member of the EMBO Science & Society Committee | | | 1/2003-2006 |

Patents

US Patent No. 6,423,491 "Methods of Diagnosing Juvenile Polyposis" (Inventors LA Aaltonen & J Howe)

Patent application submitted in DK No. PA 2004 01843 "Classification of Cancer" (Inventors, Orntoft, Jensen, Kruhøffer, Laiho, Aaltonen)

Patent application submitted in Spain, P200601719, "Prognostic method for colorectal cancer", 220606 (Inventors Diego Arango del Corro, Simó Schwartz Navarro, Lauri A. Aaltonen, John M Mariadason, Carlos Buesa Arjol).

Patent application submitted in the US, 61/220,335, Biomarker for colorectal cancer, 250609 (Inventors Aaltonen LA, Taipale J, Tuupanen S, Turunen M)

Memberships in Editorial Board

Cancer Letters 2000-2002, Journal of Medical Genetics 1999-2005, International Journal of Cancer 2003-2005, Cancer Genomics & Proteomics 2004-

Membership in Journal's Advisory Board Acta Oncologica 2004-2008

Reviewer for 52 Journals including Nature, Science and NEJM

Supervisor of Doctoral Students

- 1994-1998 M.D. Akseli Hemminki (**approved with distinction**, Faculty of Medicine thesis prize 1999, co-supervisor Albert de la Chapelle)
- 1994- 2004 M.D., pathologist, Reijo Salovaara (co-supervisors Eero Saksela and Albert de la Chapelle)
- 1996-1999 M.Sc. Egle Avizienyte
- 1996- 2000 M.Sc. Stina Roth (co-supervisor Albert de la Chapelle)
- 1997-2000 M.Sc. Anu Loukola
- 1999-2004 M.Sc. Susa Vilkki (co-supervisor Auli Karhu)
- 1999-2006 M.Sc. Rainer Lehtonen
- 2000-2005 M.Sc. Päivi Laiho (co-supervisor Virpi Launonen)
- 2000-2002 M.B. Maija Kiuru (**approved with distinction**, U of Helsinki thesis prize, co-supervisor Virpi Launonen)
- 2000-2005 M.Sc. Tuija Hienonen (co-supervisor Auli Karhu)
- 1999-2007 M.Sc. Sanna Ylisaukko-oja (co-supervisor Virpi Launonen)
- 2002-2006 M.B. Sakari Vanharanta (**approved with distinction**, co-supervisor Diego Arango)
- 2003-2008 Heli Lehtonen (co-supervisor Virpi Launonen)
- 2003-2008 M.B. Heli Sammalkorpi (co-supervisor Auli Karhu)
- 2003-2007 M.D. Pia Alhopuro (**approved with distinction**, co-supervisor Auli Karhu)
- 2003-2006 M.Sc. Tech. Antti Kokko (**approved with distinction**, co-supervisor Diego Arango)
- 2004-2008 M.D. Outi Vierimaa (**approved with distinction**, Medical Faculty's Dissertation Excellence Award 2008, co-supervisors Pasi Salmela and Jaakko Leisti)
- 2005-2008 M.Sc. Marianna Georgitsi (**approved with distinction**, co-supervisor Auli Karhu)
- 2005-2009 M.Sc. Sari Tuupanen (**approved with distinction**, co-supervisor Auli Karhu)
- 2005-2010 M.D. Taru Ahvenainen (co-supervisor Virpi Launonen)
- 2006-2009 M.Sc. Anniina Raitila (co-supervisor Auli Karhu)

Talks

65 Invited talks in international meetings, 14 International minor talks: orally presented abstracts (not by invitation) in international meetings, courses, laboratory seminars etc., 98 Invited talks in national events