



FULL NAME Olli Juhani Silvennoinen, b. 1960

CURRENT POSITION

Director, Institute of Biotechnology, HiLIFE, University of Helsinki

EDUCATION AND TRAINING

Licentiate of Medicine (MD), University of Helsinki, 1987

Doctor of Medical Sciences (PhD), Maturation and Regulation Mechanisms of Natural Killer Cells, University of Helsinki, 1988

Title of Docent, Cell Biology, University of Helsinki, 1995

OTHER TRAINING

Licensed to Practice, University of Helsinki, 1989

Specialist, Clinical Microbiology, University of Tampere, 1998

Academic Leadership Course, University of Tampere 2001-2002

"Idea to IPO" course, organized by Steven Burrill and Charles Craik, QB3, UCSF, 2008

University pedagogy course, University of Tampere 2016

Military Service, Naval academy, Subleutnant, 1981

PREVIOUS PROFESSIONAL APPOINTMENTS

1984-1987 Research/Teaching Associate (part time), Department of Bacteriology and Immunology, University of Helsinki

1988 General Practitioner (Internship), Kirkkonummi, Tuusula Health Center

1988-1989 Physician (Internship), Lappeenranta Central Hospital (Internal medicine, Anesthesiology), Jorvi Hospital (Gynecology and Obstetrics)

1989-1990 Residence, Department of Bacteriology and Immunology, University of Helsinki, Clinical Microbiology

1990-1991 Postdoctoral Fellow, Department of Biochemistry, St Jude Children's Research Hospital, Memphis, USA

1991-1993 Instructor, Department of Pharmacology, New York University Medical Center, New York, USA

1993-1994 Visiting Scientist, Department of Biochemistry, St. Jude Children's Research Hospital, Memphis, USA

1995 Senior Fellow, Academy of Finland, Department of Virology, University of Helsinki

1996-1999 Professor, Molecular Immunology, Institute of Medical Technology, University of Tampere

1998-2007 Adjunct Chief Physician, Department of Clinical Microbiology, Tampere University Hospital

VII/2000-2016 Professor and Chairman, Medical Biochemistry, Faculty of Medicine, University of Tampere, (Leave of absence 2001-2012)

VIII/2001-2010 Director of Institute of Medical Technology, University of Tampere

2004- Visiting professor, Tianjin Medical School, P.R. China

2007-2008 Visiting professor, Microbiology and Immunology, Quantitative Biosciences (QB3), University of California, San Francisco

2011-12 Professor, Institute of Biomedical Technology, Univ. Tampere
2013-2014 Visiting professor, Yale University
2017 Professor, Microbiology and Immunology, Faculty of Medicine and Biosciences, Tampere University
2014-2016 Adjunct Chief Consulting Physician, Hematology, Tampere University Hospital
2017 Adjunct Chief Physician, Microbiology, Fimlab, Tampere University Hospital

MAJOR RECENT RESEARCH FUNDING AND OTHER ACADEMIC AND PROFESSIONAL MERITS AND ACTIVITIES

Academy of Finland, 2011-2014 540 000€, 2015-2019 560 000€, 2018-2020 325 000€
Sigrid Juselius Foundation, 2014 82 000€, 2015 82 000€, 2016-2021, 1 250 000€
Jane and Aatos Erkko Foundation, 2016-2018 855 000€
Cancer Foundation, 2014 50 000€, 2015 50 000€, 2016 50 000€
Medical Research Fund, Tampere Univ. Hospital, 2015 33 000€, 2016 51 000€, 2017 56 000€
Tampere Tuberculosis Foundation 2014 18 000€, 2015 25 000€, 2016 25 000€, 2017 20 000€
TEKES, iPS disease models, 2011-2012, 530 000€
NIH R21, 2013 65 000€
Novo Nordisk Foundation, 2013 335 000€

Supervisor for thesis work: Pipsa Saharinen 2002 (Laudatur, Licentia Award), Marko Pesu 2003 (Honours), Saara Aittomäki 2003 (Honours), Kirsi Paukku 2003, Daniela Ungureanu 2005 (Honours), Ilkka Junttila 2005, Astrid Murumägi 2006, Tuuli Välineva 2007, Sari Vanhatupa 2008, Juha Grönholm 2012 (Honours, Univ. Tampere thesis prize), Tekele Fashe 2013, Yashavanthi Niranjana 2014, H. Hammaren 2017.

Postdoc supervision: Panu Kovanen 1996-1997, Jie Yang, 1997-2002, R. Palovuori 2004, D. Ungureanu 2006-2014, J. Saarikettu 2008- , A. Virtanen 2013-, M. Hankaniemi 2014-15 , S. Lehmusvaara 2014- , B. Abraham 2016-, G. Martinez Nieto 2017- . All former graduate students hold research or teaching positions in academia or private sector, P. Saharinen, M. Pesu, D. Ungureanu, I. Junttila have been selected for Academy Fellows, P. Saharinen and M. Pesu are currently Associate professors, Jie Yang is professor and Dean in Tianjin Medical University.

Evaluator of professorships 10 times (Tampere Technical University, Oslo Biocentre, University of Helsinki, Univ. Turku, Univ California San Diego, Univ. Tartu, Univ. Vienna, New York University)

Thesis work reviewer 28 times, official opponent of thesis dissertation 12 times (international Uppsala, Bruxelles, Vienna, Dublin, Belfast), docent application reviewer seven times, thesis supervisory committee member 16 times

EDITORIAL BOARD MEMBERSHIPS

Molecular and Cellular Endocrinology 2001-2005
Signal Transduction, 2001-

Ad hoc reviewer for several journals incl.: Nature, N. Eng. J. Med., Cell series, Mol. Cell. Biol., J. Biol. Chem., EMBO J., EMBO Rep., J. Immunol., PloS series, Proc. Natl. Acad. Sci.

ACADEMIC LEADERSHIP, POSITION OF TRUST, MERITS AND ACTIVITIES IN SOCIETY

Director, Institute of Medical Technology, Univ. Tampere, 2001-2010

Elected member of the Finnish Academy of Science and Letters 2004-

Finnish Society for Immunology, Board member 1996-2011, Chairman 2001-2004

Biocenter Finland, Board member 2001-2013, Chairman of the Board, 2010-2011

Stem cells and biomaterials infrastructure network, Chairman, Biocenter Finland

National Technology Platform, 2009-2013

Finnish Hematological Registry and Biobank (FHRB), Chairman, Scientific Advisory Board 2015-

Member of Collegium of Univ. Tampere, 2010-2013

Recruitment committee, University of Tampere, 2016-

Committee for international affairs, University of Tampere, 2016-

Pirkanmaa hospital district Research committee, 2002-, Chairman 2016-

Preparatory committee of University of Tampere research evaluation, 2012

Member of the National Biotechnology committee, 2005

Member of Faculty Board, Medical School, Univ. Tampere, 2001-2011

Member of Research Committee, University of Tampere 2002-2007

Committee member: Strategy of the use of transgenic animals in Finland, 1998

Member of Research Committee, University of Helsinki 1995

Member of the committee for equal opportunities, University of Tampere, 2000-

2002, Board member Regea 2005-2007, Vice Chairman of steering committee of

FinQB3, 2006-2010, Member of personnel strategy committee, Univ. Tampere, 2007

Member of University services coordination board, Univ. Tampere 2011-2013

Graduate Program in Molecular Medicine, Biotechnology, Vice-chairman, 2012-2013

Member of Uppsala University evaluation board, Medicine, 2011

Academy of Finland, Health research, Member of grant evaluation board 1997-2004,

Chairman of grant evaluation board, 2001, 2002, 2004

Member of grant evaluation board for Swedish Research Council 2006-2011,

Norwegian Systems Biology program 2007, Health insurance companies foundation

2002-2006, Finnish Cancer Foundation, 2002-2005

Evaluator of grant proposals for ERC Advanced and Consolidator grants, Austrian,

Belgian, Dutch, Dubai, English, German, Slovenian, Swedish and Israel science

foundations

Ars FinnMedi Ry, Member of board 2009-2014

Organizer:

Molecular Biology summer courses 1996-2000, IMT

Finnish Society for Immunology scientific meeting, 1998, 2000, 2002, 2004

Scandinavian Society for Immunology, 2000, Espoo, co-organizer

EMBO workshop on signal transduction, 2001, Split, co-organizer

SCIENTIFIC AND SOCIETAL IMPACT OF RESEARCH

Publications in PubMed 139, 17 articles in Nature, Science and Cell-series, citations in Google scholar >16 000, H-index 56.

Patents:

Jak kinases and regulation of Cytokine signal transduction, US Patent no. 5,728,536

Novel function of JAK kinases, US patent no. 8,841,078, AU 2011214254, CAN 2789186, EPO 11741946.5

Novel structure, PCT pending

Three drugs (Tofacitinib, Ruxolitinib, Baricitinib) against JAKs are in clinical use in immunological and haematological diseases

Biotechnological activities:

Lab Net Ltd, Board member, 1996-2004

FIT Biotech Plc, co-founder, Board member, 1998-2000.

Member of Scientific Advisory Board, FIT Biotech Plc, 2001-2004

Member of Scientific Advisory Board, Biofund, 2001-

Member of Advisory Board, TEKES single chain Ab technology project, 2001-2004

Genon Biotechnologies Ltd, founder, 2001

Icuris Pharma Ltd, co-founder, 2003, 2nd prize in national Venture Cup competition directed to technology companies

Vactia, Vice-chairman of Board, 2006-2010

Statelics Ltd, San Francisco, Member of scientific board 2007-

