

## CURRICULUM VITAE

**Thesleff**, Irma Paula Nathalia, née Saxén

### Current position

Professor, Research Director of Developmental Biology Program,  
Institute of Biotechnology, University of Helsinki from 1996

Home page: [www.biocenter.helsinki.fi/bi/thesleff/index.htm](http://www.biocenter.helsinki.fi/bi/thesleff/index.htm)

### Education and training

Graduation from Dental School (DDS), Faculty of Medicine, University of Helsinki	1972
Doctor of Odontology (Dr.Odont)	University of Helsinki 1975
Docent (Lecturer) in Developmental Biology	University of Helsinki 1980
Specialist's rights in orthodontics	1983

### Previous professional appointments

Research Associate, the Academy of Finland	1973-1976
Instructor, Dept. of Pedodontics and Orthodontics, University of Helsinki	1976-1978
Visiting Associate, Laboratory of Developmental Biology and Anomalies, NIDR, Bethesda, MD, USA	1978-1979
Instructor, Dept. Pedodontics and Orthodontics, Univ. Helsinki	1979-1983
Scientist, Academy of Finland	1983-1990
Professor and Chairman, Department of Pedodontics and Orthodontics, University of Helsinki	1990-2004

### Positions of trust

Member, Research Council for Health, Academy of Finland	1995-1998
Member, Research and Innovation Council of Finland	2000-2003
Chairman, Finnish Society of Developmental Biology	1997-1999
European Orthodontic Society, Board Member	2005-2008
-“- President	2009
Chairman of the Board, Biocentrum Helsinki	2007-2010
Board member of Graduate Schools at University of Helsinki	
- Research School of the Medical Faculty	1993-1995
- Graduate School of Biotechnology and Molecular Biology (GSBM)	1995-1998
- Viikki Graduate School in Biosciences (VGSB)	1999 -
- Finnish Graduate School in Oral Sciences (FINDOS)	2009 -

### Research awards and honors

Pohjola Prize, Finnish Dental Society and Finnish Dental Association	1987
Distinguished Scientist Award in Craniofacial Biology, Int.Assoc.Dent.Res.(IADR)	1993
Finnish Academy of Science and Letters (Suom.Tiedeakatemia), invited member	1994
Thuréusprize, Umeå university	1995
City of Helsinki Science Award	1997
Honorary Doctor in Odontology, University of Göteborg	1997
International Prize, Swedish Dental Society	1997
Academy Professor, Academy of Finland	1998-2003
Anders Jahre Prize in Medicine, Oslo University	1999
Acta Odontologica Scandinavica Prize for "Excellent contribution to dental research"	2000
EMBO, invited member	2000
Honorary Doctor in Odontology, University of Copenhagen	2002
Honorary Doctor in Science, McGill University, Montreal	2004
Professor of the Year, Finnish Association of University Professors	2005

Sheldon Friel Memorial Lecturer, European Orthodontic Society	2005
Finnish Society of Sciences and Letters (Suom.Tiedeseura), invited member	2005
Honorary Doctor, Katholieke Universiteit Leuven, Belgium	2005
Honorary Professor in Craniofacial and Dental Genetics, University of Copenhagen	2005-2010
William J. Gies Award for best paper in J.Dent.Res., IADR/AADR	2006
Chair, Gordon Conference on "Craniofacial Morphogenesis & Tissue Regeneration	2008
President, European Orthodontic Society	2008-2009
Honorary Doctor, University of Debrecen, Hungary	2008
Isaac Schour Memorial Award, IADR	2008
Honorary Doctor, University of Oslo	2008
AAAS Fellow	2009
Valkhof Chair (Visiting Professor), Radboud University Nijmegen, The Netherlands	2009
Apollonia Prize, Finnish Dental Society	2009
Paul Goldhaber Award, Harvard School of Dental Medicine	2010
Honorary Doctor, Karolinska Institutet, Stockholm	2010
Professor EJ Nyström Award, Finnish Society of Sciences and Letters	2011

### Major research grants

The Academy of Finland, yearly project and program grants	1982-2001	2008-2015
National Institutes of Health, Dental Research grant 1 ROI DE09399		1990-1993
University of Helsinki, Biocentrum Helsinki grant		1994-2009
Sigrid Jusélius Foundation	1989-1992	1996-2008
Human Frontiers Science Program (with Paul Sharpe & J.V. Ruch)		1995-1998
Center of Excellence grant (Dev.Biol.Program), University of Helsinki		1997-2001
National Institutes of Health, NIDCR (with R.D´Souza)		1999-2003
Center of Excellence funding, Academy of Finland		2002-2007
Sigrid Juselius Foundation, major 5-year grant		2008-2013
Center of Excellence funding, Academy of Finland		2014-2019

### Scientific expert functions

Supervisor of doctoral thesis works: 22 times  
 Opponent of doctoral thesis works: 14 times  
 External reviewer for:  
   full professor : 11 times  
   promotion to professorship: 31 times  
   doctoral thesis: 24 times  
 Member of International Scientific Advisory Board: 6  
 Member of International Scientific Evaluation Committees: 14  
 Reviewer of grant applications: 24 international organizations  
 Member of the Editorial Board: 12 international scientific journals  
 Referee: for over 30 international scientific journals

### Participation in scientific meetings

Invited lectures in 143 international conferences  
 72 seminars in foreign universities/research institutions

### Scientific publications

202 original articles in peer reviewed journals  
 106 review articles and book chapters

### Main research areas

Regulation of the development of teeth and other organs forming as ectodermal appendages (hair, glands) and craniofacial bones. Tooth renewal and regeneration. Stem and progenitor cells in teeth. Mouse models. Signaling pathways.