

## Curriculum vitae Thomas Laurell

### *Education/academic degrees*

1986 Master of science, Electronic engineering, Lund University  
1995 PhD at the dept. of Electrical Measurements, Lund University  
1998 Assoc. Prof. (docent) at the dept. of Electrical Measurements, Lund University  
2000 – still Professor, Dept. Biomedical Engineering, Lund University, 80% research 20 % teaching.  
2009 – 2017 Distinguished Professor, Dept. Biomedical Engineering, Dongguk University, Seoul, Korea  
2020 - 2021 Distinguished Visiting Professor, University Putra Malaysia

### *Parental leave*

3 months Aug-Dec 1994; 3 months Aug-Dec 1997; 3 months Jan-June 2003.

### *Research supervision/guest researchers*

20 full PhD-theses, J. Drott 1997, L. Wallman 2001, M. Bengtsson 2004, F. Sebelius 2004, L. Malmström 2005, S. Ekström 2005, A. Ressine 2005, F. Petersson 2007, A. Lenshof 2009, K. Järås 2010, P. Augustsson 2011, A. Tajudin 2011, B. Adler 2014, C. Grenvall 2014, M. Antfolk 2015, O. Jakobsson 2016, M. Duarte 2017, K. Jagadesaan 2017, K. Petersson 2018, Anke Urbansky 2019 and 4 licentiate theses. Currently supervising 2 post docs and 5 PhD-students. Post docs/senior guest researchers: K. Morishima, Japan, R. Oleshuk, Canada; A. Vegvari, Hungary; M Rezeli, Hungary; Prof. S. Verpoorte, The Netherlands; S-W Lee, Korea; J. Ahn, Korea, H. Yan, China; JW Park, Korea, S-J. Lee, Korea; K. Cushing, USA, F. Garofalo, Italy; P. Ohlsson, Sweden; K. Andersson, Sweden; Jakub Novotny, Czech Rep., Thierry Basch, Switzerland

### *Scientific output*

More than 236 publications since 1992 in peer reviewed international scientific journals. ISI Web of Science data: > 11 200 citations; h-index: 55. 30 papers cited > 100 times. Filed 33 patent applications. More than 95 invited oral presentations, plenary lectures and keynote lectures at international scientific conferences. URL to Laurell ISI Citation data (Web of Science) Researcher ID: <http://www.researcherid.com/rid/B-5524-2013>  
Research grants total: >320 MSEK

### *Awards*

- 2019-29 **VR Rådsprofessor** (Swedish Research Council Distinguished Professor), 48 MSEK
- 2009 **AkzoNobel Science Award Sweden 2009**, 500 KSEK, shared with Carl-Borrebaeck
- 2006 **Erna Ebelings Pris**, 30 KSEK Swe. Soc. for Med. Eng. & Med. Phys./Swe. Soc. of Med.
- 2006 **Wallmark Award**, 100 KSEK, of the Royal Swedish Academy of Sciences (KVA, Sweden)
- 2005 **Best paper award 2004** in Analytical and Bioanalytical Chemistry, Springer Verlag.
- 2004 Winner of **Innovationspriset**, 200 KSEK by ÖhrlingsPriceWaterhouseCoopers and LUAB.
- 2004 Winner of **Albhins Innovation Award**
- 2003 Regional winner, 25 KSEK, of **Innovation Cup – South**
- 2003 National winner of **The Foundation SKAPA Award**, 300 KSEK
- 2003 Winner of **Innovationspriset**, 200 KSEK given by ÖhrlingsPriceWaterhouseCoopers and LUAB
- 2002 National winner of **Innovation Cup**, 100 KSEK
- 2002 National winner of the **Connect/IVA best start-up company of the year**, ErySave AB
- 2000 **Biosensors 2000 Award**, Biosensors 2000, May 24-26, San Diego, USA
- 1997 **Teknikbrostiftelsen scholarship** for institute or university connected development, 100 KSEK
- 1996, Winner of the regional qualification in **Innovation Cup**, 22 KSEK
- 1996 Winner of the **Foundation SKAPA Award** in memory of Alfred Nobel, 300 KSEK

### *Entrepreneurial*

- AcouSort AB – founder (2010), board member, IPO Jan. 2017
- Treat4Life AB – Board member 2015-2018
- Board member of Genovis AB 2008-2014

- Board member of Geccodots AB 2014-2015

#### ***Society/academy memberships***

- 2015 Elected Fellow of School of Engineering, The University of Tokyo
- 2010 Elected member of Royal Swedish Academy of Sciences
- 2007 Elected member of Royal Swedish Academy of Engineering Sciences
- 2007 Elected member of Royal Physiographic Society

#### ***Program committees, scientific boards, commissions of trust etc.***

- Board member of Engineering Faculty, Lund University, 2015-20
- President of CBMS, Chemical and Biological Microsystems Society ([www.cbmsociety.org](http://www.cbmsociety.org)), 2010-17
- Chairman in dept. VII, Royal Academy of Engineering Sciences, 2009-2013
- Two times Conference chair of USWNet Conference, The Netherlands, 2010 and Sweden, 2012
- Conference co-chair of the European Proteome Association Congress, EuPA 2009, Stockholm, June 14-17,
- Member of research advisory board of Technical Faculty, Lund Univ. 2006-2008
- Scientific advisory board Swedish Society for Medical Engineering and Medical Physics since 2007
- Coordinator EU research project, SmartHand, STREP NMP4-CT-2006-033423
- Board of Directors of CMBS, Chemical and Biological Microsystems Society 2005-2017
- Conference Chair of Micro Total Analysis Systems -  $\mu$ TAS 2004, in Malmö, Sweden
- Scientific advisory and/or committee member of: Human Proteome Organisation World Congress - HUPO 2020; Micro and Nanoengineering - MNE 2020; Micro Total Analysis Systems -  $\mu$ TAS , 2000–2017; The Swedish Proteomics Society Symposium, 2002-04 & 2008-09 Sweden; 3rd International Conference on Porous Semiconductors-Science and Technology; 1st Annual International IEEE-EMBS Special Topic Conference on Microtechnologies in Medicine & Biology, Lyon, France, Oct 12-14, 2000;

#### ***Other merits***

- 2 times Gordon conference speaker: 2005, Analytical chemistry, Roscoff, France, June 13-17; 2013, Physics and chemistry of Microfluidics, Lucca (Barga), Italy, June 9-14
- Co-founder of the Chemical and Biological Microsystems Society in 2005 - [www.cbmsociety.org](http://www.cbmsociety.org)
- Co-founder of Swedish Proteomics Society, 2002
- Top ranked in the Swedish Research Council evaluation of Swedish biotechnology research, 2003

#### ***Evaluation/reviewing***

- 1 Expert reviewer for the Nobel Committee in Chemistry
- 2 Expert reviewer ERC Starting Grant, Life Science panel 7, 2013
- 3 PhD-thesis opponent nine times
- 4 Evaluator for Professor chairs at six occasions.
- 5 Expert review panel for The Danish Strategic Research Council – Strategiske Vaexteknologier., 2012-17
- 6 Reviewer for: Statens Teknisk- Videnskplige Forskningsråd, Denmark 1999
- 7 Reviewer for: FOM: Fundamental Onderzoek der Materie, Utrecht, Netherlands, 2000
- 8 Scientific evaluation committee of VR – Biotech. 2001, 02, 03, 05, 06, 07; Med. Tech 2008-09
- 9 Scientific evaluation committee for Vinnova – BioNanoIT- 2002; Vinnova – IFFH 2008-09
- 10 Scientific evaluation committee for SSF, Future research leaders 2007
- 11 Evaluation board for the Pedagogic Academy at Engineering Faculty, Lund University, 2003

#### ***Scientific journal editorial boards***

Editorial Board Physical Review Applied since 2020

Editorial board Micromachines since 2016

Former editorial boards: *Proteomics* (2000-04), Assoc ed. *NanoBiotechnology*, Humana Press, 2004-08, *Electrophoresis* (2005-17), *Current Analytical Chemistry* (2004-15), *Sensors and Actuators B Chem.* 2003-19

#### ***Pedagogic skills***

2002 Degree of Excellent Teaching Practice and member of the Pedagogic Academy, Lund University