

Curriculum Vitae, Erik Lindahl

Date of birth: March 14, 1972

URL: <http://www.scilifelab.se/researchers/erik-lindahl/>

ORCID 0000-0002-2734-2794

1. Degrees

1991-1995 Master of Science in Engineering Physics, Lund Institute of Technology, Sweden

1992-1993 Studies in Russian language, Stockholm University (Part of military service)

2000-04-07 Licentiate in Theoretical Biophysics, KTH, Stockholm, Sweden

2001-06-29 PhD in Theoretical Biophysics, KTH, Stockholm, Sweden

2007 Readership (Swedish 'docent' title), Theoretical chemistry, Stockholm University

2. Positions/appointments

2009- Professor of Biophysics, Dept. Biochemistry & Biophysics, Stockholm University

2010- Professor of Theoretical Biophysics, KTH (secondary appointment)

2001 Postdoctoral scholar, Groningen University, Netherlands, Prof. Herman Berendsen

2001-2003 Postdoctoral scholar, Stanford University School of Medicine, USA, Michael Levitt.

2004 Visiting scientist, École Normale Supérieure & Institut Pasteur, Paris, France

2004-2009 Assistant & associate professor, Dept. Biochemistry & Biophysics (VR position)

4. Awards & prizes

1996 Fellowship of Excellency for PhD studies Sep 1996-Jun 2001, KTH, Stockholm

2003 "Prix Jeune Chercheur Blaise Pascal", École Normale Supérieure, EUR 75k (PI)

2005 Sven and Ebba-Christina Hagberg Prize, Royal Academy of Sciences, SEK 250k (PI)

2009 Wallenberg Consortium North, "SU Star of 2009" (award)

2011-2016 Member of the Young Academy of Sweden

2011-2017 Senior Research Fellow of the Swedish Research Council

2017 Intel HPCDevCon Parallel Programming Award

5. Selected research funding track record

2001-2017 9 different projects totaling 19 MSEK (PI)

2008-2011 Drug Initiative for Channels & Transporters (EDICT), FP7, SEK 800k (co-applicant)

2008-2013 ERC Starting independent researcher grant (consolidator category), EUR 1.3M (PI)

2008-2013 Future Research Leaders round III, Foundation for Strategic Res., SEK 8.5M (PI)

2010-2013 EU FP7, Scalable Life Science Software Infrastructure grant, SEK 3.6M total (co-PI)

2010- 1/10 PIs for the Swedish eScience Research Center (SeRC) strategic research area

2011-2014 EU FP7, "CRESTA", EUR 400k

2011-2016 STINT institutional collaboration grant CBR-University of Virginia, SEK 1.6M (PI)

2012-2013 ERC Proof-of-Concept grant, EUR 120k (PI)

2014-2020 KAW "Dynamics and regulation of mammalian channels", SEK 26M (co-PI)

2015-2018 BioExcel, EU center-of-excellence, SEK 4.5M (lead scientist)

2015-2020 SSF Infrastructure Fellow development project, supporting scientific PI

2017-2020 Cryo-EM computational infrastructure, Science for Life Laboratory, SEK 3M (PI)

2017-2022 NIH project grant for biomolecular software (co-investigator).

2019-2022 Software infrastructure for structural biology, Swedish Research Council, SEK 4M (co-PI)

2018-2021 Project grant from Swedish Research Council, SEK 3.8M total (PI)

2019-2022 BioExcel2, EU center-of-excellence, EUR 8M total (lead scientist, my part 1.5MEUR)

6. Supervision of students & postdoctoral fellows

- Guided 10 students to PhD degrees as main advisor, 2 to licentiate degree.
- 7 current PhD students, 4 postdoctoral fellows, 5 researchers
- Mentored 9 previous postdoctoral fellows. 5 previous students/postdocs have obtained tenured PI positions (Peter Kasson, University of Virginia; Björn Wallner, Linköping University; Magnus Andersson, Umeå University; Berk Hess, KTH; Jens Carlsson, Uppsala University; Per Larsson, Uppsala University), another 2 are long-term researchers in academia.

7. Selected commission of trust

- 2006-2007 IVA Mentor4Research commercialization program
- 2008-2010 Board of directors, Center for Parallel Computers, Royal Institute of Technology
- 2009-2014 Steering group, Swedish eScience Research Center
- 2011-2016 Gender equality board, School of Engineering Science, Royal Inst. Technology
- 2011 Founder, BinaryBio AB
- 2011-2013 Chair of election panel, Young Academy of Sweden
- 2012- Platform director for Bioinformatics, Science for Life Laboratory, Stockholm
- 2012-2016 Board of directors, Swedish National Infrastructure for Computing
- 2013-2015 Scientific Steering Committee, EU PRACE computing infrastructure
- 2013-2014 Development of SU-KTH-KI Master's program in Molecular Life Sciences^[1]_[SEP]
- 2014- Program director, SU-KTH-KI Master's program in Molecular Life Sciences
- 2014- Vice director, Swedish e-Science Research Center
- 2015-2018 Scientific leader, BioExcel Center of Excellence in Biomolecular Simulation (EU)
- 2016 Vice chair, Scientific Steering Committee, EU PRACE HPC infrastructure
- 2016- Scientific advisory board, Multiscale genomics consortium, Barcelona, ES
- 2016- Council member, Centre Européen de Calcul Atomique et Moléculaire, Lausanne
- 2016- Scientific advisory board, CSCS, Zurich, Switzerland
- 2017 Chair, Scientific Steering Committee, EU PRACE HPC infrastructure
- 2017 Board of Directors, EU PRACE HPC infrastructure
- 2018- Teacher appointment board, faculty of science, Stockholm University
- 2018 Chair, PASC18 Conference, Basel, Switzerland
- 2018 Editor-in-chief, PRACE/EuroHPC Scientific Case for Computing in Europe
- 2019- EuroHPC Research & Industrial Advisory Group
- 2019- PASC Project & Conference Steering board, CSCS, ETH Zurich
- 2019- Member of the Royal Swedish Academy of Engineering Sciences (IVA)
- 2019 Vice chair, Chapter VII of the Royal Swedish Academy of Engineering Sciences
- 2020 Organizer, Keystone Symposium on Cryo-EM, Stockholm, Sweden

7. Research impact metrics

>120 publications, >43,000 citations, 1 pub above 10,000, 3 above 5,000, 6 above 1,000, 33 above 100. h-index 53, i10-index 91, >100 invited talks. Google scholar public profile: <https://goo.gl/zKzue2>