

CURRICULUM VITAE

Name: Tom Britton

Year and Place of Birth: 1965. Stockholm, Sweden.

Post High School Education in Mathematics/Statistics

1986-1990: Undergraduate studies in mathematics, mathematical statistics and computer science at Stockholm University (SU).

1990: Master of Science in mathematical statistics at SU.

1990-1996: Graduate studies in mathematical statistics at SU.

1994: Licentiate degree (Swedish: Filosofie Licentiat).

1996 (March 26): PhD-degree (Stockholm University).

1999 (November): Docent degree (Uppsala University)

2003 (January 1): professor in mathematical statistics, directed towards bio-statistics and bioinformatics (Stockholm University)

2009 (April 1): Holder of the Cramér chair in mathematical statistics, (Stockholm University)

Post High School Education, others

1985: Russian at SU (10 university points, =1/2 semester)

1986: Philosophy at SU (5 university points, =1/4 semester)

1992: University pedagogy at SU (5 university points, =1/4 semester)

2005: A course about Supervision and Leadership (3 days, organised by SU)

2005: A course for department heads/vice heads(2 days, organised by SU)

2008: 10 day course “Future academic leaders” (organised jointly with several universities in Stockholm/Uppsala)

2010: 1 day course “Planeringssamtal för chefer” (organised SU)

Employments

8408-8506: Military service.

8508-9006: Mailman (from 8608 only during summer, holidays and some weekends).

8907-9006: Teaching assistant (Swedish: amanuens) in mathematical statistics at SU.

9007-9512: Graduate studentship (Swedish: doktorandtjänst) in mathematical statistics at SU.

9601- 9606: Part time lecturer (financed by SU) and part time researcher (financed by The Bank of Sweden Tercentenary Foundation).

9607-9706: Post Doc at the School of Mathematical and Statistical Sciences, La Trobe University, Australia. (Financed by The Swedish Natural Science Research Council.)

9707-0212 : Associate Professor (högskolelektor) in Mathematical Statistics at Uppsala University, Department of Mathematics (DMUU).

9907-0306 : Researcher (forskarassistent) financed by the Swedish Natural Science Research Foundation (NFR).

0208-0212: Paternity leave

0301-0903 : Professor (promoted) in Mathematical Statistics at Stockholm University, Department of Mathematics (DMSU).

0408-0412: Paternity leave

0904- : Professor (holder of the Cramér chair) in Mathematical Statistics at Stockholm University, Department of Mathematics (DMSU).

Research visits

1996-1997: Post doc at Latrobe University, host: Niels Becker

1999, 2002, 2004: ANU, Canberra Australia, host Niels Becker (month long visits)

2000, 2003, 2005, 2008, 2014, 2017: Nottingham University, host Frank Ball and Phil O'Neill (week visits)

2002: Oxford University, host: Gesine Reinert (1 week)

2005, 2007, 2009: Utrecht University, host: Odo Diekmann and Hans Heesterbeek (3 day visits)

2013: University of Florida, host: Ira Longini. Sabbatical semester January to June

2014: Lancaster University, host Peter Neal (3 days)

2015: Los Alamos National Laboratory, host Thomas Leitner (1 week)

2017: University of Nottingham, host Frank Ball (3 days)

2018: Université Aix-Marseille, host Etienne Pardoux (3 days)

2018: Los Alamos National Laboratory, host Thomas Leitner, Yale University, host Forrest Crawford (1 week in total)

Teaching

8907-9606: part time (20%-50%) teaching at the Department of Mathematics at Stockholm University (DMSU). Assistant lecturing and lecturing.

1995-96: Organizer of the graduate study courses *Particle Systems* and *The Coupling Method* (together with Håkan Andersson).

1997-1999 : Half time lecturing (all undergraduate levels) in mathematical statistics at DMUU.

1999-2002 : Occasional undergraduate teaching in mathematical statistics at Uppsala University.

1999: Lecturer on the graduate course *Epidemic models* (joint with Håkan Andersson).

1999-2000: Lecturer on the graduate course *Bioinformatics*.

2001: Lecturer on the graduate course *Statistical methods in genetics*.

2002: Organiser and principal lecturer of a three week long graduate course in Statistics for natural scientists, Makerere University, Uganda (financed by SIDA/SAREC).

2003: Lecturer on the graduate course *Stochastic epidemic models and their statistical analysis*.

2003- : Occasional undergraduate teaching in mathematical statistics at Stockholm University.

2004: Principal lecturer of the one week full time graduate course in “Statistical concepts of phylogenetics” for graduate students in biology, given at EBC, Uppsala University.

2004: Lecturer (one of several) at the graduate course: *The mathematical theory behind phylogenetics* given at Stockholm Bioinformatic Centre.

2005: Lecturer (one of two) at the graduate course: *Computational statistics* co-organised by Stockholm University and Karolinska Institute

2008: Lecturer on graduate course *Writing and presenting mathematics*

2009: Lecturer (one of three) at the graduate course: *Computational statistics* co-organised by Stockholm University and Karolinska Institute

2010: Lecturer on graduate course *Writing and presenting mathematics*

2012: Lecturer (one of three) at the graduate course: *Computer intensive statistical methods* co-organised by Stockholm University and Karolinska Institute

2012: Lecturer (one of three) at the graduate course: *Epidemic modelling, simulation and statistical analysis* within the Nordic Biostatistics Graduate Programme

2013: Lecturer at the graduate course: *Stochastic Epidemic modelling* at University of Florida

2014: Lecturer (one of three) at the graduate course: *Random graphs for complex networks*

2015: Lecturer (one of four) at the graduate course: *Epidemic modelling, simulation and statistical analysis* within the Nordic Biostatistics Graduate Programme

2016: Lecturer on PhD course at SU: Stochastic epidemic models: the fundamentals (4 hp)

2019: Lecturer on PhD course at SU: Soft skills for mathematicians (5 hp)

PhD and Post Doc Supervision

1999-2005: Head supervisor for Ph D student Ingrid Lönnstedt, Uppsala University. Licentiate 2001. PhD 2005.

2001-2008: Head supervisor for Ph D student Bodil Svennblad, Uppsala University. Licentiate 2004. PhD 2008.

2001-2007: Co-supervisor for Ph D student Per Erixon (Systematic Botany), Uppsala University. Licentiate 2004. PhD 2007.

2003-2008: Head supervisor for Ph D student Shaban Mbare (PhD sandwich PhD between Stockholm University and University of Dar es Salaam). Licentiate 2007. PhD 2008.

2003-2008: Head Supervisor for Ph D student Anne Wangombe (PhD sandwich PhD between Stockholm University and University of Nairobi). Licentiate 2007

2004-2008: Head supervisor for Ph D student Mathias Lindholm, Stockholm University. Licentiate 2007. PhD 2008.

2006-2008: Head supervisor for Ph D student Elinore Gustafsson, Stockholm University. Stopped PhD studies.

2007-2011: Head supervisor for Ph D student David Lindenstrand, Stockholm University. PhD 2012

2010-2011: Post doc Pieter Trapman

2009-2013: Head supervisor for Ph D student Sebastian Höhna, Stockholm University. PhD 2013

2010-2016: Head supervisor for Ph D student Jens Malmros, Stockholm University, licentiate 2013, PhD 2016

2012-2018: Head supervisor for Ph D student Kristoffer Spricer, Stockholm University

2013-2019: Head supervisor for Ph D student Disa Hansson, Stockholm University. Licentiate 2017, PhD 2019

2014-2017: Post doc Federica Giardina

2014-2017: Joint head supervisor for Ph D student Ali Traoré, Stockholm University and Université de Ouagadougou, PhD 2015.

2014-2017: Head supervisor for Ph D student Desiré Ouedraogo, Stockholm University and Université de Ouagadougou. PhD 2017.

2016-2018 : Post doc KaYin Leung

2016-2018 : Head supervisor for Ph D student Theresa Stocks, Stockholm University, PhD 2018

2017-2018 : Post doc Yun Jun Zhang

2019- : Post doc Tony Johansson

2019- : Head supervisor for PhD student Dongni Zhang

Other Supervision

1995: Supervisor to Niclas Sjögren and Johan Irbäck in their joint Master thesis: *Statistisk analys av en longitudinell malariastudie från Tanzania*, published at DMSU. (Together with Åke Svensson)

1996: Statistical advisor in the PhD-thesis of Catharina Lavebratt, published at the Department of Biochemistry and Biotechnology, Royal Institute of Technology, Sweden.

1996: Supervisor to Anna Carlsund in her Master thesis dealing with Early Warning Systems for Infectious Disease Control (DMSU, together with Åke Svensson)

1998: Advisor for Musie Syum at DMUU, a master student in the exchange program between University of Eritrea and Uppsala University.

1998: Statistical advisor in the Licentiate-thesis of Nadina Laurent, Department of Systematic Botany, Uppsala University.

1998: Supervisor for Ingrid Storwall in her master thesis: *Segregation analysis of cancer*, Karolinska Institute (DMUU).

1998/9: Supervisor for Olov Dahlberg in his master thesis: *Undersökning av LPRM-detektorers känslighet*, ABB (DMUU, together with Lennart Bondesson)

2000: Supervisor for Linda Persson and Hanna Elisson in their master theses at *Statistics Sweden* and *Karolinska Institute*, respectively.

2001: Supervisor for Tobias Nordqvist, Jonas Danielsson, Martin Andersson and Ingrid Haneklaus in their master theses at *Department of Zoology, Livia Insurance Company, Livia Insurance Company* and *Karolinska Institute*, respectively.

2002: Supervisor for Martin Linder in his master thesis at Stockholm Bioinformatic Centre

2006: Supervisor for David Lindenstrand in his master thesis at Stockholm University.

2006: Supervisor for Tom Andersson in his master thesis at Stockholm University.

2007: Supervisor for Mikael Johansson in his master thesis at Stockholm University.

2008: Supervisor for Fredrik Olsson in his master thesis at Stockholm University.

2009: Supervisor for Kristoffer Spicer in his bachelor thesis at Stockholm University.

2009: Supervisor for Karin Carlsson in her bachelor thesis at Stockholm University.

2009-11: Supervisor for Giang Pham in her bachelor thesis at Stockholm University.

2010: Supervisor for Anni Pilbacka in her bachelor thesis at Stockholm University.

2011: Supervisor for Maria Kausits in her bachelor thesis at Stockholm University.

2011: Supervisor for Anni Pilbacka in her master thesis at Stockholm University.

2012: Supervisor for Martina Aksberg in her master thesis at Stockholm University.

2013: Supervisor for Lucas Möller in his bachelor thesis at Stockholm University.

2014: Supervisor for Felix Wahl in his bachelor thesis at Stockholm University.

2014: Supervisor for Ida Hed Myrberg in her bachelor thesis at Stockholm University.

2015: Supervisor for group of 6 bachelor students on theme “logistic regression”

2016: Supervisor for Angeliki Maraki in her master thesis at Stockholm University.

2017: Supervisor for group of 5 bachelor students on theme “logistic regression”

2019: Supervisor for group of 6 bachelor students on theme “Statistical data analysis”

2019: Supervisor for Anton Sysoev in his master thesis at Stockholm University.

Service to the University

1991-1994: Elected member of the Board of DMSU.

1992-1995: Elected member of the Budget Committee at DMSU.

1992-1997 : Responsible for the library and book orders at DMSU, Mathematical Statistics.

1993-1996: Elected accountant of the *Statistical Consulting Group* at DMSU.

1998-2001: Director of undergraduate studies (studierektor) in Mathematical Statistics at DMUU.

2002: Elected member of faculty assembly (elektorsförsamlingen)

2003– 2008: Director of graduate studies (studierektor forskarutbildningen) in Mathematical Statistics at DMSU.

2005– 2010: Head (föreståndare) Division of Mathematical Statistics at DMSU.

2005– 2010: Deputy head (stf prefekt) at the Department of Mathematics, Stockholm University.

2006–2010 : Member of the equity group (Jämställdhetskommitten) at Stockholm University.

2006– 2011: Member of the group distributing grants (Stipendiegruppen) at the Faculty of Science, Stockholm University.

2008 – 2009: Head of “Recruitment group” at the department.

2009 (Autumn semester) : Acting head of Department of Mathematics, Stockholm University.

2010 – 2017: Head of Department of Mathematics, Stockholm University:

2012 – Member of the board of the Faculty of Science (Fakultetsnämnden)

2012 – 2017 Deputy head of Faculty division of Mathematics and physics (vice sektionsdekanus)

2015 – 2017: Member of the board of Stockholm University teaching training centre (CeUL)

2016 – 2017: Appointed mentor for assistant professor in Biology

2018 – : Dean Mathematics-Physics at Stockholm University

2018 – : Chairman of Docentberedningen Faculty of Science (evaluation Habilitations)

2018 – : Chairman of the Hiring Committee in Mathematics-Physics division, Stockholm University

2019: Promotor for the Faculty of Sciences

Service to the Community

1995-1997: Contact person at DMSU for the Swedish Statistical Association.
1998-1999: Organiser and principal lecturer at 3 1-2 day courses on *Investigation methods* given at VJS (Institute of continuing education for economists, lawyers and social workers)

1999- : Contact person at DMUU for the Swedish Statistical Association.

1999-2001 : Secretary for the Swedish Statistical Association.

2000 : Member of the organizing committee of thematic semester on Bioinformatics at Stochastic Centre, Chalmers University of Technology (spring 2000).

2000 : Member of examination committee of PhD-thesis by David Svensson, Department of Mathematical Statistics, Chalmers University of Technology.

2000 : Discussant at Johan Svensson's licentiate presentation in Mathematical statistics, Umeå University.

2001+2002 : Member of the evaluation committee for The Swedish Research Council evaluating grant applications in mathematics (Vetenskapsrådets beredningsgrupp för Matematik och Teknisk matematik).

2002: Reviewer of Keith Humphreys "docent"-application at Karolinska Institute.

2002: Discussant at Mats Kvarnström's licentiate presentation in Mathematical statistics, Chalmers University of Technology.

2003 : Member of the evaluation committee for The Swedish Research Council evaluating grant applications in interdisciplinary science (Vetenskapsrådets beredningsgrupp för Nya områden och tvärvetenskap).

2003 : Member of the working group on mathematics education in Swedish high schools and universities appointed by the Swedish government (Matematikdelegationens arbetsgrupp för gymnasiet och högskolan).

2003 : Member of examination committee of PhD-thesis by Roland Orre, Department of Numerical Analysis and computer Science, Royal Institute of Technology (KTH).

2003 : Member of examination committee of PhD-thesis by Mia Deijfen, Mathematical statistics, Stockholm University.

2003- : Member of reference group in mathematics of the International Science Program at Uppsala University (giving grants to African Universities)

2004-2007: Elected member of the council of The International Biometric Society.

- 2004 : Member of examination committee of PhD-thesis by Johan Koskinen, Department of statistics, Stockholm University.
- 2004: Member of the evaluation committee for The Swedish Research Council evaluating grant applications in mathematical statistics (Vetenskapsrådets beredningsgrupp för Matematik och Teknisk matematik).
- 2004 : Reviewer for a post doc position (forskarassistent) in Mathematical Statistics, Umeå University.
- 2005 : External examiner of PhD-thesis by Chau Pui Hing, Department of statistics, Hong Kong University.
- 2005 : External examiner of PhD-thesis by Martin Bootsma, Department of Mathematics, Utrecht University.
- 2005 : Opponent of PhD-thesis by Ilona Pylvänäinen, Department of Mathematics, Chalmers University of Technology.
- 2005 - 2007 : Chairman of the Swedish Society for Medical Statistics.
- 2006: Discussant at Tommi Asikainen's licentiate presentation in Mathematical statistics, Stockholm University.
- 2007: Member of examination committee of PhD-thesis by Isaac Elias, Department of Numerical Analysis and computer Science, Royal Institute of Technology (KTH).
- 2007: Member of examination committee of PhD-thesis by Anders Sjögren, Department of Mathematics, Chalmers University of Technology.
- 2007: Member of examination committee of PhD-thesis by Oskar Sandberg, Department of Mathematics, Chalmers University of Technology.
- 2009: Discussant at Martin Linder's licentiate presentation in Mathematical statistics, Uppsala University.
- 2010: Reviewer for the British Medical Research Council
- 2010: Reviewer for the Swedish Research Council, reviewing 2 post doc applications
- 2010– :Editorial board member of *Journal of Mathematical Biology*
- 2011: Reviewer for a professorship in Mathematical statistics directed towards biostatistics at University of Gothenburg.
- 2011: Member of examination committee of PhD-thesis by Dmitrii Zholud, Department of Mathematics, Chalmers University of Technology.
- 2011: External reviewer of grant proposal for the Dutch Research Council
- 2011: Discussant at Betty Nannyonga's licentiate presentation in Mathematics, Uppsala University.
- 2011 : External examiner of PhD-thesis by Betty Nannyonga, Department of Mathematics, Makerere University, Uganda.

- 2011: Opponent of PhD-thesis by Oscar Hammar, Department of Mathematics, Chalmers University of Technology and Göteborg University.
- 2012: Reviewer for promotion to "biträdande professor" by Aila Särkkä. Chalmers University of Technology and University of Gothenburg.
- 2012: Reviewer for 2 lectureships in Statistics, Linköping University.
- 2013: External reviewer for the National Science Foundation (US)
- 2014: Reviewer for assistant professor in Mathematical statistics, Umeå University.
- 2015: external examiner for PhD-thesis by Juha Mehtälä, Department of Mathematics, Helsinki University
- 2015: external reviewer for the British Medical Research Council
- 2015: reviewer for two Ingvar Carlsson award applications (SSF)
- 2015: external examiner for PhD-thesis by Kemanand Muheput, University of Mauritius
- 2016: external examiner for PhD-thesis by KaYin Leung, University of Utrecht
- 2017: Reviewer for promotion to full professor of Thomas House, University of Manchester.
- 2017: Reviewer for promotion to senior lecturer of Eric Volz, Imperial College, London UK.
- 2017: Reviewer for for The Leverhulme Trust, UK
- 2017: Reviewer for Habilitation of Elisabeta Vergu, Paris 6
- 2017: Examiner for licentiate defense by Sebastian Rosengren
- 2018: Member of examination committee of PhD-thesis by Jing Liu Helmersson, Umeå University
- 2018: External reviewer for promotion to Associate professor in Mathematical statistics, Umeå University.
- 2018: External reviewer for professor (chair) in Mathematical statistics, Tartu University, Estonia.
- 2018: External reviewer for grant application New Zealand research council
- 2018: External reviewer for grant application Saudi Arabian research council
- 2018: External expert + Faculty opponent for PhD defense of Fioralba Ajazi (bouble degree in Univ Laussane, Suisse, and Lund)
- 2019: External reviewer for grant application Israelian research council
- 2019: External expert for Assistant professor in Mathematical statistics, Uppsala University.
- 2019- : Chairman of Cramér society (the Swedish academic society for statisticians)

2019: Member of examination committee of PhD-thesis by Andreas Karlsson, Karolinska Institutet

2019: External examiner for PhD defense of Pierre Montagnon, Ecole Polytechnique, Paris.

2019: Jury member for the popular research contest: Forskar Grand Prix

2019: Member of examination committee of PhD-thesis by Samia Gherseen, Linköping University

2019: 1st Opponent for PhD defense of Solveig Engebretsen, University of Oslo

2019: Member of examination committee of PhD-thesis by Gabriel Isheden, Karolinska Institutet

2019: Reviewer for promotion to associate professor of Forrest Crawford, Yale University, USA.

2019: Reviewer for promotion to docent of Raazesh Sainudiins, Uppsala University, Sweden.

2019: Reviewer for application to professorship by Peter Neal, University of Nottingham.

2020: Reviewer for promotion to full professor in Mathematics directed towards probability of Stephan Wagner, Uppsala University.

Organisation of Conferences

1998: Organizer of the 1 day conference *Uppsala-Stockholm Symposium on Mathematical Statistics*.

1999: Organizer (joint with Dietrich von Rosen) of the international conference *Statistical Methods for Image Processing*, Uppsala, August 6-9, 1999 (a Satellite meeting of 52nd Session of ISI in Helsinki).

2000: Organizer (joint with Olle Nerman) of the National graduate course *Bioinformatics*, Uppsala, February 24-25, 2000 and Gothenburg March 23-25, 2000.

2001: Organizer of the 1 day conference *Uppsala-Stockholm Symposium on Mathematical Statistics*, this year to the honor of Bengt Rosén.

2001 : Member of the organising committee of the Summer school of The Swedish Statistical Association (Välådalen, June, 2001).

2001 : Member of the organising committee of The 22nd Annual Conference of International Society for Clinical Biostatistics (August 19-23, 2001, Stockholm).

- 2002 : Member of the organising committee 23rd Nordic Conference of Mathematical Statistics (June, 2002).
- 2003: Organizer of the 1 day conference *5'th Stockholm-Uppsala Symposium on Mathematical Statistics*.
- 2003: Chair in organising committee of workshop on *Epidemic modelling and analysis* (August 24-29, Mariefred).
- 2005: Organiser of 1-day international workshop on *Network epidemiology* (November 7, Stockholm, joint with Fredrik Liljeros).
- 2006: Organizer of the 1 day conference *8'th Stockholm-Uppsala Symposium on Mathematical Statistics*.
- 2006: Organiser of 1-day international workshop on *Vaccination strategies and intervention* (September 19, Stockholm, joint with Fredrik Liljeros).
- 2007: Organiser of 1-day FMS-workshop on *Genetics and epidemiology*.
- 2008: Organiser of 1-day S-Gem workshop on *Epidemic modelling at work*.
- 2009: Organizer of the 1 day conference *11'th Stockholm-Uppsala Symposium on Mathematical Statistics*.
- 2009: Organizer of the 1 day conference *The Sundberg symposium*.
- 2010: Member of Scientific committee for IBC 2010 (Internation Biometric Conference in Florianapolis, Brazil)
- 2010: (Joint) organizer of 5 day international workshop "Networks: applications and modelling", Öregrund, Sweden.
- 2011: Member of the organizing committee of The Applied Probability Society Conference (Stockholm)
- 2011: Organizer of the 1 day conference *Modelling and inference in infectious disease epidemiology - a tribute to Åke Svensson*
- 2011: (Joint) organizer of 5 day international workshop "Networks: Stochastic models for Populations and Epidemics", Edinburgh, Scotland.
- 2011: (Joint) organizer of 1 day international workshop "Respondent-Driven Sampling", Stockholm.
- 2012: Organizer of the 1 day conference *14'th Stockholm-Uppsala Symposium on Mathematical Statistics*.
- 2012: Chairman of the program committee of the 24'th Nordic conference on mathematical statistics (Nordstat)
- 2013: Organizer of the 2 day conference *5'th Swedish meeting in Mathematical Biology*
- 2014: Organizer of Invited session "Inference for epidemics using social structures and genetic data" at 27'th International Biometric Conference, Florence, Italy -14.

2015: Organizer of the 1 day conference *17'th Stockholm-Uppsala Symposium on Mathematical Statistics*.

2015 (Joint) organizer of 4 day international workshop "Dynamical processes on networks - theory and applications in social sciences and biology", Sigtuna, Sweden

2018: Member of Scientific committee for ECMTB2018, Lisbon.

2018: Organizer of the 1 day conference *20'th Stockholm-Uppsala Symposium on Mathematical Statistics*.

2018: Organizer of 1 day Åmneskonferens i matematisk statistik (participants from all Swedish MathStat departments with discussions on teaching and organization)

2018: Joint organizer of 10'th Swedish meeting on Mathematics in Biology, Nov 29-30

2020: Organizer of 5 day international workshop "Mathematical modelling and statistical analysis of infectious disease outbreaks", Luminy, France.

2020: Joint organizer of Invited session on "Stochastics" at 28'th Nordic Congress of Mathematicians, Aalto, Finland.

Grants

1990: One month travelling grant from The Royal Swedish Academy of Science to visit the Institute of Mathematics and Statistics of the Hungarian Academy of Science.

1992-1997: Several travelling grants to attend conferences from: The Royal Swedish Academy of Science, Liljevalchs stipendiefond (at SU) and Wenner-Gren Center.

1996: 1 year Post Doc Grant from The Swedish Natural Science Research Council (Swedish: NFR) to visit La Trobe University in Australia during the period 9607-9706.

1998- 2003: Several travelling grants from The Swedish Natural Science Research Foundation (NFR/VR) and The Royal Swedish Academy of Science (KVA) to attend international conferences and for research visits.

1999-2003: A four year research position (forskarassistent) from The Swedish Natural Science Research Foundation (NFR).

2000: Research grant from The Royal Swedish Academy of Science (KVA) for collaboration with British Scientists.

2000-2003: Grant from Linneaus Centre for Bioinformatics, Uppsala University, supporting one PhD position.

2004: Strategic grant from SSF for graduate programme in biostatistics (10 MSEK), co-applicant.

2004-2006: Three year research grant from The Swedish Research Council (1.1 M SEK)

2007-2009: Three year research grant from The Swedish Research Council (1.95 M SEK)

2009-2011: Three year research grant (2.1 M SEK) from The Swedish Tercentenary Foundation: "Stochastic models for social networks"

2010-2012: Three year research grant from The Swedish Research Council (2.65 M SEK).

2010: Grant from The Swedish Research Council (80 k SEK) for arranging 16'th Applied Probability Conference.

2011: Grant from The Swedish Research Council (100 k SEK) for arranging the 23rd Nordstat conference.

2013-2015: Three year research grant from The Swedish Research Council (2.4 M SEK).

2013-2015: Three year research grant from The Swedish Tercentenary Foundation (2.78 M SEK).

2014-2017: Four year research grant from The Swedish Research Council (Statistics in empirical sciences). (4.6 M SEK).

2016-2019: Four year research grant from The Swedish Research Council (3.2 M SEK).

2017-2018: Grant from K& A Wallenberg foundation for Guest professor (Frank Ball), 0.3 M SEK. (0.3 M SEK).

Publications

See separate list.

Talks

Conferences (Invited): RSS Epidemic Workshop, Skye Scotland -97 (paper and talk, together with Niels Becker). Swedish Association for Medical Statistics Jubilee Conference, Uppsala, Sweden -97. Joint Statistical Meeting (98 JSM), Dallas, USA -98. International Biometric Conference (IBC98), Cape Town, South Africa -98. Nordic regional meeting of the International Biometric Society, Copenhagen, Denmark, -99. Miniworkshop on Bioinformatics, Genetics and Epidemics, Gothenburg, Sweden, -99. Oberwolfach meeting on Design and Analysis of Infectious Diseases, Germany, -99. Up-

Uppsala University 00 (NFRs Budkavledag), Stockholm-Uppsala Symposium on Mathematical Statistics, -00. Conference on The Future of Mathematical Statistics, Båstad, -00, Conference on mathematics and physics for high school teachers (Natur & Kultur) -00. 53rd Session of International Statistical Institute, Seoul -01 (invited discussant), Conference for NTM graduate students, Steninge, Sweden, -01. European Conference on Mathematical Biology, Milan -02. Joint Statistics day in Uppsala -02. Swedish-Kenyan mathematics meeting, Nairobi, March 2003 (2 talks). Workshop on probability, trees and genetics, Gothenburg -03. Annual Meeting of FMS (Föreningen för Medicinsk statistik), Ultuna, 2003. Autumnal Phylogenetics, Uppsala, 2003. Matematikbiennalen, Malmö, -04. Annual New Zealand Phylogenetics meeting - 04. Oberwolfach meeting statistical studies of infectious diseases -04, Conference on mathematics and physics for high school teachers (Natur & Kultur) -04, Södra Latin 350th anniversary celebration -04. Workshop on math & stat modelling of infectious diseases, Oslo (2 talks)-05, Mini-symposium on epidemic modelling, Utrecht -05, Workshop on epidemic modelling, Singapore -05, Minisymposium on mathematics, University of St Louis, Senegal -05. Workshop on Network epidemiology, Stockholm, -05. Matematikbiennalen, Malmö, -06, FMS workshop on Statistical Issues Applicable in Drug Development, Copenhagen -06, All is infection, Karolinska Institutet -06, Workshop on Phylogenetics, North Carolina - 06, Workshop on Modelling vaccination strategies and prevention, Stockholm, -06. Workshop on Random graphs, Eurandom, Netherlands -07, Workshop on network and spatio-temporal epidemic models, Scotland -07, Mini-symposium on Stochastic epidemic modelling, Oslo -07, Mini-symposium on animal epidemics, Gothenburg -07. Matematikbiennalen, Stockholm, -08, Conference on Mathematics in Medicine/Biology, Oslo -08. ECDC meeting on modelling training, Stockholm -09, International conference on infectious disease modelling, Australia -09, Workshop on analysis of infectious diseases, Oberwolfach -09. Matematikbiennalen, Stockholm, -10, Workshop on Random graphs and networks in Math and Physics, Stockholm, -10, Sonja Kovalevskidagarna, -10, 2nd Swedish meeting on Mathematical biology, -10, Annual meeting of Cramérsällskapet, Örebro, -11, Swedish-Korean Academy of Sciences symposium on Mathematical biology, Mittag-Leffler, -11. Workshop on networks and population biology, Singapore -11, Workshop on Information technology in health etcetera, Göteborg, -11, European conference on theoretical and mathematical biology, Krakow Poland -11, Workshop on Networks for populations and epidemics, Scotland -11. Matematikbiennalen, Umeå, -12,

Workshop on discrete geometric analysis, Kyoto -12. Applied Probability Conference, Costa Rica, -13, Oberwolfach meeting statistical studies of infectious diseases -13, Plenary talk at 9'th European Conference on Mathematical and Theoretical Biology (ECMTB), Gothenburg -14, Mini-symposium on "data-driven modelling of epidemics" at 9'th European Conference on Mathematical and Theoretical Biology (ECMTB), Gothenburg -14, Workshop on Mathematical Biology, Madrid, October 2014, Swiss Meeting for Infectious Disease Dynamics, Basel -15. Modelling and Trial Statistics during Epidemics, Oslo -15. Matematikbiennalen, Karlstad, -16, Workshop on Stochastic models of the spread of disease and information on networks, Edinburgh -16, 3rd East African Conference on Mathematics, Uganda -16, Workshop on Dynamic Networks, Isaac Newton Institute, Cambridge -16. Swedish Midwinter workshop on Discrete Probability, Umeå, -17, Workshop on Mathematical approaches of evolutionary trees and networks, Banff, Canada - 17, ISAAC-2017, Växjö, -17, Nerman symposium, Göteborg, -17, Symposium on Infectious disease dynamics and control, Umeå, -18, Oberwolfach meeting statistical studies of infectious diseases -18, ECMTB Lisbon -18, ENAR Biometric Conference, Philadelphia -19, Scaling limits of dynamical processes on random graphs, Oaxaca -19, Stockholm University BioMath-meeting -19, Mini-conference on epidemic models, Paris -19, Dynamics, Equations and Applications, Krakow -19. Matematikbiennalen, Växjö -20,

Conferences (Contributed): EMS, Bath -92. Ecole de probabilité, Saint Flour, France -93. Bernoulli Congress, Chapel-Hill, USA -94. Nordic conference in Mathematical statistics, Lund, Sweden -94. Epidemic Workshop, Stockholm, Sweden -95. Biometric conference, Gothenburg, Sweden -95. EMS, Aarhus, Denmark -95. Bernoulli Congress, Vienna, Austria -96. Epidemic workshop, Skye, Scotland -97. Ecole de probabilité, Saint Flour, France -97. EMS, Vilnius, Lithuania -98. Nordic conference on Mathematical Statistics, Grimstad, Norway, -00. 53rd Session of International Statistical Institute, Seoul -01. Nordstat -02, Stockholm 2002, International Biometric Conference, Freiburg -02. Nordic regional meeting of Biometric Society, Uppsala, -03, 25th European Meeting of Statisticians (EMS), Oslo -05, Nordstat, Rebild, Denmark -06, 24'th IBC, Dublin -08, IMS, Gothenburg, -10, 25th International Biometric Conference, Brazil, -10. Nordic-Baltic Biometric Conference, Åbo -11. Applied Probability Conference, Stockholm, -11, Nordstat Umeå - 12, Nordic-Baltic Biometric Conference, Stockholm -13, 5'th Swedish meeting in Mathematical Biology, Stockholm -13, 25th Nordic

Conference in Mathematical statistics, Åbo -14, Workshop on Epidemics on Networks, Erice, Italy -15, 7th Swedish mathbiology meeting, Uppsala -15. 27'th Nordic Congress of Mathematics, Stockholm -16, SPA Gothenburg 2018, 22nd NordStat, Tartu Estonia 2018, European Meeting of Statisticians, Palermo -19

Invited lectures given at specialised courses: Seminar series for Biostatistical Master Education in Uppsala and Stockholm, -96. Nordic Summer School of Infectious Disease Epidemiology, Söderfors, Sweden -98. Lecture in the course "Modelling and analysis of spread of for example diseases", Stockholm University/Swedish Institute for Infectious Disease Control -99. Lecture in the master course "Infectious disease epidemiology" Swedish Institute for Infectious Disease Control -99. Lecture in the master course "Epidemiology for virus infections" Karolinska Institute -00. Popularizing mathematics seminar, Stockholm University-05, Principles of statistics at course about Good and bad science, Stockholm University & KTH-05. Principles of statistics at course about Good and bad science, Stockholm University & KTH-06, Talk about statistics and phylogenetics for teacher organization - 06, 4 lectures about mathematics for epidemics at KI course: Past, present and future epidemics -06. Talk about future work areas for mathematics students, for high school teachers -07. Principles of statistics at course about Good and bad science, Stockholm University & KTH-07, Statistics and phylogenetics at course about the beauty of mathematics -07. Principles of statistics at course about Good and bad science, Stockholm University & KTH -08. Lecture on Teacher training day, Stockholm University -08. Stockholm University for alumni -09. Principles of statistics at course about Good and bad science, Stockholm University & KTH -09. A full day course on "Epidemic models and inference" at Hasselt University, Belgium - 09. Principles of statistics at course about Good and bad science, Stockholm University & KTH -10. 10 hours of lectures on "Stochastic epidemic models with inference" at 2nd Summer Institute in Statistics and Modeling in Infectious Diseases, Seattle, 2010. 8 hours of lectures on "Stochastic epidemic models" at The Helsinki Summer School on Mathematical Ecology and Evolution 2010. 8 hours of lectures on "Stochastic epidemic models with inference" at 3rd Summer Institute in Statistics and Modeling in Infectious Diseases, Seattle, 2011. 8 hours of lectures on "Stochastic epidemic models with inference" at 4th Summer Institute in Statistics and Modeling in Infectious Diseases, Seattle, 2012. 8 hours of lectures on "Stochastic epidemic models with inference" at 5th Summer Insti-

tute in Statistics and Modeling in Infectious Diseases, Seattle, 2013. 6 hours of lectures in summerschool on Epidemic network models, Girona, Spain, -13. Statistics in medicine (15h lectures for Medical PhD's in Västra Götaland, Sweden -13, 1 hour lecture in Teacher Inspiration Day (by The Royal Swedish Academy of Science) Trollhättan -13, 1 hour lecture in Teacher Inspiration Day (by The Royal Swedish Academy of Science) Örebro -14, Lecture on "Writing and presenting mathematics" at Swedish statistic society's summer school, Falun -14, 8 hours of lectures on "Stochastic epidemic models with inference" at 6'th Summer Institute in Statistics and Modeling in Infectious Diseases, Seattle, 2014. 6 hours of lectures in Summer school on mathematical biology, Xi'an, China -14. 8 hours of lectures on "Stochastic epidemic models with inference" at 7'th Summer Institute in Statistics and Modeling in Infectious Diseases, Seattle, 2015. Kleindagarna (2 day conference for high school teachers at Institutet Mittag-Leffler) -15, Statistics in medicine (15h lectures for Medical PhD's in Västra Götaland, Sweden -15, CIMPA school Probabilistic Models in Epidemiology, Ziguinchor, Senegal, 8 hours lecture -15. 10 hours of lectures on "Stochastic epidemic models with inference" at 8'th Summer Institute in Statistics and Modeling in Infectious Diseases, Seattle, 2016. 9 hour mini-course for PhDs on "Stochastic epidemic models", Addis Ababa, Ethiopia -16. 10 hours of lectures on "Stochastic epidemic models with inference" at 9'th Summer Institute in Statistics and Modeling in Infectious Diseases, Seattle, 2017. Statistics in medicine (15h lectures for Medical PhD's in Västra Götaland), Sweden -17, 10 hours of lectures on "Stochastic epidemic models with inference" at 10'th Summer Institute in Statistics and Modeling in Infectious Diseases, Seattle, 2018. 10 hours of lectures on "Stochastic epidemic models with inference" at 10'th Summer Institute in Statistics and Modeling in Infectious Diseases, Seattle, 2019. A full 3 week masters course on "Stochastic processes and applications" (35 hours in front of class) at Royal university of Phnom Penh, Cambodia 2019.

Departmental talks: La Trobe University -96, Queensland University of Technology -96, Stockholm University -97, University of Hong Kong -97, Australian National University -97, La Trobe University -97, Uppsala University (x2) -97, Armeur-Hansen Research Institute (x2), Addis Ababa, Ethiopia -98, University of Lund -98, Uppsala University -98. National University of Singapore -99, University of Sydney -99, La Trobe University, Australia -99, Uppsala University -99 ('Docent lecture'), University of Nottingham (x2), England -00, Stockholm School of Economics, -00, Chalmers University of

Technology -00, Uppsala University -00, Karolinska Institute -00, Oxford University -00, Umeå University, -00, Uppsala University -00, Stockholm University -00. Makerere University, Uganda -02, Uppsala University -02, University of Singapore -02, University of Sydney -02, National University of Australia -02, Karolinska Institute -02, -Rolf Nevanlinna Institute (Helsinki) -02. Stockholm University -03, Stockholm Bioinformatic Centre -03, Stockholm University -04, Uppsala University -04. University of Hong Kong -04, Australian National University -04, University of Sydney -04, University of Utrecht -04, Swedish Agricultural University -04, University of Nairobi Kenya (x2) -04, University of Dar es Salaam, Tanzania -04, Natural History museum, Stockholm -05, Uppsala University -05, Université, Paris VI -05, Lund University -05. University of Nairobi, Kenya -06, Uppsala University -06, Stockholm University -06, MTC at Karolinska Institutet -06, Stockholm University -07, Chalmers University of Technology -07, University of Addis Ababa, Ethiopia -07, University of Nairobi, Kenya -07, University of Dar es Salaam, Tanzania -07, University of Nottingham -08, Linköping University -08, University of Utrecht -08, Stockholm University -08, Stockholm University -09, University of Sydney -09, University of Tokyo (x2) -09, Institut Mittag-Leffler -09, Hasselt University -09, Föreningen Unga Forskare -09, Lund University -09, Stockholm University -10, Harvard -10, Boston University -10, Uppsala University -10. Federal University of Rio de Janeiro, -10. Stockholm University -11, University of Ouagadougou, Burkina Faso -11, University of Bamako, Mali -11. Umeå University -12, University of Florida (4 times) -13, University of Iceland -13, Stockholm University -14, Los Alamos National Laboratory -15, Högskolan i Dalarna -15, Bogacizi University, Istanbul -15, Stockholm University -15, University of Copenhagen -15, Paris, College de France -15, Stockholm University -16, Harvard -16. Stockholm University -17, Duke University -17, North Carolina State University -17. Université Aix-Marseille -18, Stockholm University -18. Los Alamos -18, Yale -18, Bilbao (BCAM) -18, Uppsala University -18, Institut Mittag-Leffler -18, Stockholm University (x2) -19, Columbia (NYC) -19, Princeton -19, Royal University of Phnom Penh, Cambodja, -19.

Talks in High schools: Södra Latin Gymnasium -03, Flemingsbergs IT-gymnasium -03. Hersby Gymnasium -05. Kungsholmens gymnasium -06, Huddinge gymnasium -06, Globengymnasiet -06, Tibble gymnasium -07, Enskilda gymnasiet -07. Danderyds gymnasium -08. Södra Latin Gymnasium -08. Norra Reals gymnasium -09, Kungsholmen gymnasium -10, Bäckängsgym-

nasiet -11, Södra Latin -12, Östermalmsskolan -14, Mikael Elias gymnasium -15, Östra Gymnasiet -16, Gärdesskolan -16, Lundellskolan -16, Norra Real -17, Södra Latin Gymnasium -19

Referee

1996: *Biometrics* 1, *Math. Biosci.* 1.
1997: *J. Stat. Plan. Inf.* 1, *Biometrics* 1, *Math. Biosci.* 1.
1998: *Scand. J. of Stat.* 1, *Statistics in Medicine* 1.
1999: *Scand. J. of Stat.* 1.
2000: *Math. Biosci.* 1, *Biometrics* 1.
2001: *Math. Biosci.* 2, *Austr. J. Stat.* 1, *J. Math. Biol.* 1.
2002: *J. Roy. Soc., Biology section* 1, *Math. Biosci.* 1, *Emerging infectious diseases* 1, *Mathematical medicine and biology* 1.
2003: *JASA* 1, *Math. Biosci.* 2, *Applied statistics (JRSS C)* 1, *Australian and New Zealand Journal of Statistics* 1, *Statistics & Computing*, 1. *Statistics in Medicine*, 1, *Scand. J. Stat.* 1.
2004: *Mol. Biol. Evol.* 1, *Theor. Pop. Biol.* 1, *Biostatistics* 1.
2005: *Ann. of Appl Prob.* 1, *J. of Appl. Prob.* 1, *Math. Biosci.* 1, *Theor. Pop. Biol.* 1, *Biostatistics* 1.
2006: *J. Math. Biol.* 1, *Comp. Stat Data Anal.* 1, *J.R.S.S. C (Applied stat)* 1, *J. Appl. Prob.* 1, *Math. Biosci.* 1, *Stat. Med.* 1, *Math. Pop. Stud.*, 1, *Stat Appl Gen Mol Biol*, 1, *J. Roy. Soc. Interface*, 1.
2007: *Comp. Stat Data Anal.* 1, *Stat Appl Gen Mol Biol*, 1, *J. Roy. Soc. Interface*, 1
2008: *Math. Biosci.* 2, *J.R.S.S. B* 1, *J. Appl. Prob.* 1, *Math. Biosci. and engineering* 1, *Biostatistics* 1, *J. Math. Biol.* 1, *J. Roy. Soc. Interface*, 1, *Syst. Biol.* 1,
2009: *J. Roy. Soc. Interface*, 3, *Math. Biosci.* 1, *J. Math. Biol.* 4, *Biostatistics* 1,
2010: Associate editor of *Journal of Mathematical Biology.* *Biometrics*, 1, *J. of Appl. prob.* 2, *Rand Str Alg* 1, *Scand J Stat* 1.
2011: Associate editor of *Journal of Mathematical Biology.* *J. of Appl. prob.* 1, *Statistics and decision* 1, *Math. Biosci.* 1, *J. of the Royal Society* 1, *Biometrics*, 1.
2012: Associate editor of *Journal of Mathematical Biology.* *J.A.S.A.* 1, *Bioinformatics* 1, *J. Appl. Prob* 1, *Roy. Soc. Interface* 2, *Biometrika* 1, *Journal of official statistics*, 1

2013: Associate editor of *Journal of Mathematical Biology*. Oxford UP, *J.R.S.S. A* 1, *J. Appl. Prob* 2, *Math. Biosci.* 1, *J. Official Stat* 1, *PLOS One* 1, *Epidemiology* 1.

2014: Associate editor of *Journal of Mathematical Biology*. *J. Appl. Prob* 1, *Roy. Soc. Interface*, *Am. J. Epid.* 1, *J. Stat. Med.* 1

2015: Associate editor of *Journal of Mathematical Biology*. *PNAS* 1, *J. Appl. Prob* 2, *Rand Struct Algorithms* 1, *J.R.S.S. C* 1, *Plos Comp Bio* 1, *Ann. Appl. Stat* 1, *Biometrics*, 1.

2016: Associate editor of *Journal of Mathematical Biology*. *Physica A* 1, *Ann. Appl. Prob* 1, *Roy. Soc. Interface* 1, *Math. Biosci.* 1, *Stat. in Medicine* 1, *Epidemics* 1,

2017: Associate editor of *Journal of Mathematical Biology*. *Roy. Soc. Interface* 2, *Math. Biosci.* 1, *PloS Comp Bio* 1, *Journal of statistical physics*, 1

2018: Associate editor of *Journal of Mathematical Biology*. *Bull Math Biol*, *Math. Biosci.*, *Eurosurveillance*, *Markov processes and related fields*, *Nature Communications*, *J. Appl. Prob*, *Stat. Comp.*, *Mol. Bio. Evol.*

2019: Associate editor of *Journal of Mathematical Biology*. *Roy. Soc. Interface* 2, *Biostatistics*, *Nature Communications*, *PloS Comp Bio*, *Math. Biosci.*, *P.N.A.S.*, *Proceedings of the Royal Society B*, *J.A.S.A.*

2020: Associate editor of *Journal of Mathematical Biology*. *Math. Biosci. Eng.*