

## 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 biostatistics 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: 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)

### 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)

### **Ph D 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-: 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-: Head Supervisor for Ph D student Anne Wangombe (PhD sandwich PhD between Stockholm University and University of Nairobi)

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

2013-: Head supervisor for Ph D student Disa Hansson, Stockholm University

2014-: Post doc Federica Giardina

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

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

2016- : Post doc KaYin Leung

2016- : Head supervisor for Ph D student Theresa Stocks, Stockholm University, licentiate 2017

### 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”

### **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 – Head of Department of Mathematics, Stockholm University:

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

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

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

2016 – Appointed mentor for assistant professor in Biology

### **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.

### 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 52 nd 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 (Vålådalen, 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"

### 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 MSEK)

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

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

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

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

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

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

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

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

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

## 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 Bioin-

formatics, Genetics and Epidemics, Gothenburg, Sweden, -99. Oberwolfach meeting on Design and Analysis of Infectious Diseases, Germany, -99. 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 at cetera, 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.

**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, Rehbild, 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

**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 Institute 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’t h 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’t h 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’t h Summer Institute in Statistics and Modeling in Infectious Diseases, Seattle, 2016. 9 hourse mini-course for PhDs on “Stochastic epidemic models”, Addis Ababa, Ethiopia -16.

**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, Universi-



ty 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,

**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, Bäckängsgymnasiet -11, Södra Latin -12, Östermalmsskolan -14, Mikael Elias gymnasium -15, Östra Gymnasiet -16, Gärdesskolan -16, Lundellskolan -16

### 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, *Ann. Appl. Stat* 1, *Roy. Soc. Interface* 1, *Math. Biosci.* 1, *Stat. in Medicine* 1, *Epidemics* 1,

2017: *Roy. Soc. Interface* 1, *Math. Biosci.* 1,