

# Curriculum Vitae

Leslie Foldager, born 30 Sep 1971 in Ballerup, Denmark.

## Current work addresses and affiliations

Management and Modelling (MaMo)

Department of Animal and Veterinary Sciences, Faculty of Technical Sciences

Aarhus University, AU Viborg – Research Centre Foulum

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Bioinformatics Research Centre (BiRC)

Department of Molecular Biology and Genetics, Faculty of Natural Sciences

Aarhus University, Aarhus

Universitetsbyen 81, 3., Building 1872, DK8000 Aarhus C, Denmark. <http://birc.au.dk>

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## Academic degrees

Jun 2014: PhD in medicine, Faculty of Health, Aarhus University. Dissertation: *A statistical perspective on association studies of psychiatric disorders: genetic effects of single-markers, haplotypes, gene-environment interactions and gene-gene interactions*. Main supervisor: Professor, PhD, MD Anders Børghlum, Aarhus University; Project supervisor: Professor, PhD, MD Ole Mors, Aarhus University Hospital, Risskov; Additional supervisor: Professor, PhD, MSc Carsten Wiuf, University of Copenhagen.

Feb 1998: MSc (cand.scient.) degree in statistics and a minor in mathematics from Department of Theoretical Statistics, University of Aarhus. Master thesis: *Simulation-based estimation methods for diffusion processes*. (in Danish). Supervisor of thesis: PhD, MSc Michael Sørensen, Associate Professor, Aarhus University until fall 1997 and thereafter Professor, Department of Mathematical Sciences, University of Copenhagen.

## Publication summary

140 peer reviewed papers, 3 letter replies and errata, 2 dissertations, 2 books and 17 reports. H-index: 26 (Web of Science). See details in separate publication list (<http://www.foldstat.dk/publ.pdf>).

## Presentations (posters and oral)

Please see the separate publication list (<http://www.foldstat.dk/publ.pdf>).

## Teaching experience

Please see the separate teaching portfolio (<http://www.foldstat.dk/teach.pdf>).

**Research profile and plans**

My current research interests include the use of machine learning methods (e.g. random forests) for prediction of animal health and welfare from automatically collected information on activity, behaviour and environment. Also included are methods used within the field of precision livestock farming (PFL). I am interested more generally in bioinformatics, mathematical and computational biology, statistical genetics and in non-linear regression analysis (e.g. growth curves). My current work also involves statistical consultancy and supervision of colleagues and students as well as participation and collaboration in other projects, including analysis of data from animal experiments, questionnaires and registries. In that context, I find the analysis of longitudinal data very interesting; longitudinal data typically coming from repeated measurements in animal experiments or follow-up studies of patients. A side-line occupation involves statistical consultancy within the fields of psychiatric and somatic health research.

Statistical genetics, primarily within the field of psychiatric research, was what I have done most during the years 2002-2014. Within this field, I have been mostly interested in methods for analysis of gene-gene and gene-environment interactions, not least by application of machine learning and data mining methods like logic regression and multifactor dimensionality reduction (MDR). The HPC (high performance computing, i.e. cluster computing) environment of Genome Denmark (<http://genome.au.dk>) has been used to facilitate many of the studies.

As evident from my publication list, I have a broad knowledge and experience with practical application of many different statistical methods including logistic regression, longitudinal analysis, survival analysis, categorical data analysis, non-parametric methods, and general analysis of genetic data. Generalised linear models cover much of these and are definitely a model class that I find very appealing and useful.

Over the years, I have been working within the research fields of fisheries, agriculture and health. I think this ability to work within many different research areas (and industries/businesses) is one of the essential advantages of being a statistician—but maybe also a limitation in some respect. However, the ability to cover a large variety of methods has been more important so far in my positions than a much-focused research plan. As a side-line occupation I am giving statistical consultancy within health research.

**Positions and affiliations (post graduate)**

- Sep 2022 – : Senior Researcher, ANIVET Management and Modelling, Department of Animal and Veterinary Sciences, Faculty of Technical Sciences, Aarhus University, AU Viborg – Research Centre Foulum.
- Jul 2023 – : Affiliated to Bioinformatics Research Centre, Department of Molecular Biology and Genetics, Faculty of Natural Sciences, Aarhus University, Aarhus.
- Mar 2006 – : Manager and Statistical Consultant, FoldStat, Vejrum (until November 2023: Ørum, until December 2022: Vejrumbro; until May 2019: Thorsø).
- Feb 2022 – Aug 2022: Senior Researcher, ANIS Management and Modelling, Department of Animal Science, Faculty of Technical Sciences, Aarhus University, Foulum.
- Jan 2020 – Jun 2023: Affiliated to Bioinformatics Research Centre, Faculty of Natural Sciences, Aarhus University, Aarhus.
- Jan 2020 – Jan 2022: Senior Researcher, ANIS Health, Department of Animal Science, Faculty of Technical Sciences, Aarhus University, Foulum.
- Jan – Mar 2019: Statistical Consultant (temporary sideline employment), Centre for Child and Adolescent Psychiatry, Aarhus University Hospital, Aarhus, Central Denmark Region.
- Mar 2015 – Dec 2019: Senior Researcher, Research Unit for Behaviour and Stress Biology, Department of Animal Science, Faculty of Science and Technology, Aarhus University, Foulum.
- Jan – Feb 2015: Special Consultant (biostatistician), Biostatistical Advisory Service (BIAS), Department of Public Health, Faculty of Health, Aarhus University, Aarhus.
- Jun 2014 – Dec 2019: Affiliated to Bioinformatics Research Centre, Department of Computer Science, Faculty of Science and Technology, Aarhus University, Aarhus.
- Apr 2013 – Dec 2014: Statistician, Translational Neuropsychiatry Unit, Department of Clinical Medicine, Faculty of Health, Aarhus University, Risskov.
- Dec 2012 – Mar 2016: Affiliated to iSEQ, Centre for Integrative Sequencing, Aarhus University.
- Mar 2012 – Feb 2015: Affiliated to iPSYCH, The Lundbeck Foundation Initiative for Integrated Psychiatric Research, Denmark.
- Jan – Sep 2012: Visiting as PhD Student, National Centre for Register-based Research, Faculty of Business and Social Sciences, Aarhus University.
- Mar 2008 – Jun 2014: Affiliated as PhD Student, Bioinformatics Research Centre (BiRC), Department of Computer Science, Faculty of Science and Technology, Aarhus University, Aarhus.
- May 2005 – Sep 2005: Statistical Consultant (sideline), Department of Quality, County of Aarhus.
- Nov 2004 – Jan 2012: Statistical Consultant (sideline), Unit for Psychiatric Research, Aalborg Psychiatric Hospital, Aarhus University Hospital, Aalborg.
- Nov 2002 – Mar 2013: Statistician, Centre for Psychiatric Research, Aarhus University Hospital, Risskov, Central Denmark Region. (Until 30 June 2004 Dept. of Psychiatric Demography, Inst. for Basic Psychiatric Research, Aarhus University Hospital, County of Aarhus and until 31 December 2006 Centre for Basic Psychiatric Research, Aarhus University Hospital, County of Aarhus. From 1 April 2013 Translational Neuropsychiatry Unit)
- Jun 2000 – Nov 2002: Research Assistant, Biometry Research Unit, Department of Agricultural Systems, Danish Institute of Agricultural Sciences, Research Centre Foulum.
- Jun 1999 - May 2000: Academic Employee, Department of Clinical Physiology, Aalborg Hospital.
- April 1999 - May 1999: Academic Employee (temporary employment), Bil-Info A/S, Thisted.
- Jan 1998 - April 1999: Statistical Consultant, ConStat, The North Sea Centre, Hirtshals.

### Leave of absence

20 Mar – 16 Jul 2017: Sick leave (first full an later part time)  
 1 Feb – 23 May 2010: Parental leave (Danish: børnepasningsorlov)  
 1 Jun – 31 Aug 2007: Parental leave (Danish: børnepasningsorlov)  
 20 Jun – 3 Jul 2005: Parental leave (Danish: udvidet fædreorlov)  
 10 Jan – 23 Jan 2005: Parental leave (Danish: fædreorlov)  
 14 Jan – 27 Jan 2002: Parental leave (Danish: udvidet fædreorlov)  
 30 Jul – 12 Aug 2001: Parental leave (Danish: fædreorlov)  
 11 May – 24 May 1999: Parental leave (Danish: udvidet fædreorlov)  
 23 Nov – 6 Dec 1998: Parental leave (Danish: fædreorlov)

### Education

Sep 2007 – Jun 2014: PhD Student (part time), Neuroscience graduate programme, Graduate School of Health, Faculty of Health, Aarhus University.  
 Sep 1992 – Feb 1998: Master's degree programme, Department of Mathematics and Department of Theoretical Statistics, Faculty of Science, University of Aarhus  
 Feb 1992 – Sep 1992: Electrotechnical Engineering (not completed), Aarhus School of Engineering, Aarhus Teknikum  
 Jan 1991 – Dec 1991: Electrotechnical Traineeship, Technical Department, Randers Centralsygehus.  
 Aug 1990 – Dec 1990: Electrotechnical Training School, Aarhus Tekniske Skole.  
 Sep 1987 – Jun 1990: General Certificate of Secondary Education (high school), Mathematics and Physics programme, Morsø Gymnasium.

### Journal boards

Acta Neuropsychiatrica, statistical advisor, 2011 –

### Peer reviews

Acta Neuropsychiatrica (2022: 1 review, 1 re-review; 2021: 1 review; 2019: 1 re-review; 2018: 2 reviews, 1 re-review; 2013: 1 review), Acta Psychiatrica Scandinavica (2023: 1 review, 2 re-review; 2021: 1 review, 2 re-review; 2020: 1 review; 2019: 1 review, 1 re-review; 2016: 1 review, 1 re-review; 2010: 2 reviews), Animal (2019: 1 review; 2018: 1 review; 2017: 1 review), Animals (2023: 1 review; 2019: 1 review), Australian and New Zealand Journal of Psychiatry (2016: 1 review), BioMed Research International (2017: 1 review), Biosystems Engineering (2017: 1 review, 1 re-review), BMC Research Notes (2011: 1 review), BMJ Open (2024: 1 re-review; 2023: 1 review; 2019: 1 review, 1 re-review), Comprehensive Psychiatry (2018: 1 review, 2 re-reviews), Dairy (2021: 1 review, 1 re-review), European Archives of Psychiatry and Clinical Neuroscience (2023: 1 review, 1 re-review), Genes (2020: 1 review), Italian Journal of Animal Science (2020: 1 review), Journal of Affective Disorders (2020: 1 review; 2016: 1 review, 1 re-review; 2015: 1 review), Journal of Agriculture and Food Research (2024: 1 review), Journal of Animal Science and Biotechnology (2024: 1 review, 1 re-review), Journal of Cleaner Production (2024: 1 review), Journal of Dairy Research (2022: 1 review), Journal of Dairy Science (2019: 1 review, 1 re-review), Journal of Neuroscience Methods (2017: 1 review), Livestock Science (2024: 1 review, 1 re-review; 2019: 1 review; 2017: 1 review) Molecular Psychiatry (2015: 1 review, 1 re-review), Neuropsychiatric Disease and Treatment (2015: 1 review), Nordic Journal of Psychiatry (2015: 3 reviews), PLoS ONE (2024: 1 re-review; 2023: 1 review; 2022: 1 re-review; 2021: 1 review; 2018: 1 review, 3 re-reviews; 2011: 4 reviews; 2010: 1 review), Preventive Veterinary Medicine (2021: 1 review, 1 re-review), Psychiatry Research (2014: 1 review; 2011: 1 review; 2010: 1 review), Psychiatry Research – Neuroimaging (2015: 1 review, 1 re-review), Research in Veterinary Science (2021: 7 review, 4 re-review; 2020: 1 review, 1 re-review),

Schizophrenia Research (2024: 1 review, 1 re-review, 1 re-re-review, 1 re-re-re-review; 2016: 1 review; 2011: 1 review; 2010: 1 review), Statistical Application in Genetics and Molecular Biology, SAGMB (2015: 1 review).

### **Organizational assignments**

Feb 2024 – : Member of DIGIT, Aarhus University Centre for Digitalisation, Big Data and Data Analytics, Finlandsgade 22, 8200 Aarhus N.

Jun 2021 – Dec 2022: Member of Digital Infrastructure Committee (DICOM), Faculty of Technical Sciences, Aarhus University

Jan 2012 – Mar 2013: Deputy Chair in the local works committee (Danish: LMU).

Jul 2007 – Jun 2008: Deputy Chair in the local works committee (Danish: LMU).

Oct 2006 – Mar 2013: Repr. for The Danish Association of Business Language Graduates, KS.

Nov 2005 – Nov 2007: Repr. for The Danish Society of Engineers, IDA.

Dec 2004 – Mar 2013: Repr. for The Danish Association of graduates in Agricultural Science, JA.

Jul 2003 – Mar 2013: Repr. in the locale works committee (Danish: LMU) for Dept. of Psychiatric Demography, Inst. for Basic Psychiatric Research (until Jun 2004); Centre for Basic Psychiatric Research (until Dec 2006); Centre for Psychiatric Research (until Mar 2013).

Apr 2003 – Mar 2013: Representative for The Danish Association of Masters and PhDs, DM.

### **Society membership (work related)**

Danish Statistical Society (DSTS), 2022 –

Danish Society for Theoretical Statistics (DSTS), 1997 – 2021 (change of name)

European Federation of Animal Science (EAAP), 2017 –

DairyCare, EU COST Action FA1308, 2015 – 2018

Danish Society for Genetic Epidemiology (DSGE), 2007 – 2014

- Substitute member of the board, April 2008 – Sep 2013

The international Society of Psychiatric Genetics (ISPG), 2007 – 2016

PhD Association at the Faculty of Health Sciences, University of Aarhus, 2007 – 2014

### **Scientific networks (work related)**

- Healthy Animals and Production Systems, Cattle Research Network, 2024 –

- Production facilities, technology and management [Det Kvægaglige Netværk for Produktionsanlæg Teknologi og Management under Forskningsudvalg Kvæg], Cattle Research Network, 2017 – 2024

### **International conferences, seminars and workshops**

- The 75<sup>th</sup> Annual Meeting of the European Federation of Animal Science (EAAP), 1-5 Sep 2024, Florence Congress and Exhibition Centre, Florence, Italy.

- The 9<sup>th</sup> International Conference on the Welfare Assessment of Animals at Farm Level (WAFL), 30-31 Aug 2024, Albani Hotel Firenze, Florence, Italy.

- PIGWEB FAIR data workshop, 27-29 May 2024, Hotel WICC (Wageningen International Congress Centre), Wageningen, Holland.

- Webinar: PIGWEB data sharing and FAIR data training, 29 Nov – 1 Dec 2022, web.

- The 73<sup>rd</sup> Annual Meeting of the European Federation of Animal Science (EAAP), 5-9 Sep 2022, International Congress Center of Alfândega do Porto, Porto, Portugal.

- PIGWEB 1<sup>st</sup> Annual Meeting, 14-15 June 2022, SLU Campus, Uppsala, Sweden.

- Webinar: FAIR research software, 30 Aug 2021, RDA Nordic, web.

- FreeBirds - Encouraging organic chickens and laying hens to be more outdoor, Final project webinar, 22 Apr 2021, Web.

- PIGWEB Kick-off Meeting, 3-5 Mar 2021, Web.
- The 70<sup>th</sup> Annual Meeting of the European Federation of Animal Science (EAAP), 26-30 Aug 2019, International Convention Centre (ICC), Ghent, Belgium.
- Fifth DairyCare Conference, 19-20 Mar 2018, the Veterinary Research Institute of Thessaloniki of the Hellenic Agricultural Organisation-DEMETER (HAO-VRI) and the Institute of Bio-Economy and Agri-Technologies of the Center for Research and Technology-HELLAS (IBO/CERTH), CERTH Congress Centre, Thessaloniki, Greece.
- The 68<sup>th</sup> Annual Meeting of the European Federation of Animal Science (EAAP), 28 Aug – 1 Sep 2017, Nordea Concert Hall, Tallinn, Estonia.
- Fourth DairyCare Conference, 13-14 Oct 2016, The Veterinary Faculty, Universidade de Lisboa, Lisbon, Portugal.
- First International Conference on Precision Dairy Farming, 21-23 Jun 2016, WTC Hotel, Leeuwarden, The Netherlands.
- DairyCare Working Group 2 Focused Meeting: Activity measurements in ruminant research and beyond, 20-21 Jun 2016, WTC Hotel, Leeuwarden, The Netherlands.
- Third DairyCare Conference, 5-6 Oct 2015, Hotel Kolovare, Zadar, Croatia.
- useR! 2015, The Annual useR! International R User Conference, Aalborg, Denmark.
- XXII World Congress of Psychiatric Genetics, 12-16 Oct 2014, Copenhagen, Denmark.
- XXI World Congress of Psychiatric Genetics, 17-21 Oct 2013, Boston, Massachusetts, USA.
- XX World Congress of Psychiatric Genetics, 10-14 Oct 2012, Hamburg, Germany.
- XIX World Congress of Psychiatric Genetics, 10-14 Sep 2011, Washington DC, USA.
- XVIII World Congress on Psychiatric Genetics, 3-7 Oct 2010, Athens, Greece.
- XVII World Congress on Psychiatric Genetics, 4-8 Nov 2009, San Diego, California, USA.
- 6th International Workshop on Computational Systems Biology, 10-12 Jun 2009, Aarhus, Denmark
- XVI World Congress on Psychiatric Genetics, 11-15 Oct 2008, Osaka, Japan.
- XV World Congress on Psychiatric Genetics, 7-11 Oct 2007, New York, USA.
- XIV World Congress on Psychiatric Genetics, 28 Oct – 1 Nov 2006, Cagliari, Italy.
- 21st Nordic Conference on Mathematical Statistics (NordStat 2006), 11-15 Jun 2006, Rebild, Denmark.
- XIII World Congress on Psychiatric Genetics, 14-18 Oct 2005, Boston, Massachusetts, USA.
- XII World Congress on Psychiatric Genetics, 9-13 Oct 2004, Dublin, Ireland.
- International Biometric Society – Nordic Region Conference, 7-9 Jun 2001, Savonlinna, Finland.
- ICES Annual Science Conference, 16-19 Sep 1998, Cascais, Portugal.
- ICES Working Group on Fishing Technology and Fish Behaviour, 20-23 Apr 1998, La Coruna, Spain.

#### **Danish conferences, seminars and workshops**

- Animal welfare during critical life events (incl. oral presentation), Professor inaugural of Mette S. Herskin, 20 Aug 2024, Aarhus University, AU Viborg – Research Centre Foulum, Tjele.
- Mini symposium: animal welfare during transport and slaughter (incl. oral presentation), 20 Aug 2024, Aarhus University, AU Viborg – Research Centre Foulum, Tjele.
- BiRC Mols Meeting, 15-16 Aug 2024, Mols Laboratory, Aarhus University, Strandkær.
- Cattle Research Network meeting, 12 Jun 2024, SEGES Innovation, Agro Food Park, Skejby.
- Two-day meeting of Danish Statistical Society (DSTS), 21-22 May 2024, Department of Mathematics, Aarhus University, Aarhus.
- 45th Symposium on Applied Statistics (incl. oral presentation), 15-16 Jan 2024, Dept. of Economics, University of Copenhagen, Copenhagen.

- Power and sample size by simulations using R (oral presentation), as part of Mixed modelling in R workshop (14-16 Nov 2023), 16 Nov 2023, Aarhus University, AU Viborg – Research Centre Foulum, Tjele.
- BiRC Mols Meeting, 17-18 Aug 2023, Mols Laboratory, Aarhus University, Strandkær.
- Virtual workshop on GDPR in research at AU, 13 Jun 2023, NAT and TECH faculties, Aarhus University, Aarhus.
- BiRC Wednesday morning seminar (incl. oral presentation), 19 Apr 2023, Bioinformatics Research Centre (BiRC), Aarhus University, Aarhus.
- DICOM Simulation Workshop, 14 Sep 2022, Faculty of Technical Sciences' Digital Infrastructure Committee (DICOM), Aarhus University, Aarhus.
- 43rd Symposium on Applied Statistics (incl. oral presentation), 29-31 Aug 2022, SEGES Innovation, Axelborg, Copenhagen.
- BiRC Mols Meeting, 18-19 Aug 2022, Mols Laboratory, Aarhus University, Strandkær.
- BiRC Wednesday morning seminar (incl. oral presentation), 8 Jun 2022, Bioinformatics Research Centre (BiRC), Aarhus University, Aarhus.
- AU Digital Innovation Conference, 25 May 2022, Department of Computer Science, Aarhus University, Aarhus.
- Seminar on remote sensing, 7 Apr 2022, Faculty of Technical Sciences' Digital Infrastructure Committee (DICOM), Aarhus University, Aarhus.
- First annual meeting in The Personalised Medicine Network, 25 Nov 2021, The AIAS Auditorium, Aarhus University, Aarhus.
- DSTS 50 years anniversary meeting, Danish Society for Theoretical Statistics, 17-19 Nov 2021, Scandic CPH Strandpark, Kastrup.
- Workshop: Hvordan kan digitaliseringen i kvægbedrifter bidrage til forebyggelse af ulykker ved håndtering af kvæg?, Arbejdsmiljøforskningsfondens projekt "Forebyggelse af ulykker ved håndtering af kvæg - Udvikling af målbare indikatorer", 25 Oct 2021, Research Centre Foulum, Tjele.
- Webinar: Implementing an Open Science Assessment Framework, 7 Sep 2021, DeiC, Lyngby, web.
- BiRC Mols Meeting, 19-20 Aug 2021, Mols Laboratory, Aarhus University, Strandkær.
- 42nd Symposium on Applied Statistics, 27-28 Jan 2020, Department of Economics and Business Economics, Aarhus University, Aarhus.
- BiRC Wednesday morning seminar (incl. oral presentation), 27 Nov 2019, Bioinformatics Research Centre (BiRC), Aarhus University, Aarhus.
- BiRC Mols Meeting, 15-16 Aug 2019, Mols Laboratory, Aarhus University, Strandkær.
- 41st Symposium on Applied Statistics (incl. oral presentation), 28-30 Jan 2019, University of Copenhagen, Copenhagen.
- PigIT Closing Conference, 13 Nov 2018, University of Copenhagen, Copenhagen.
- Two-day meeting of Danish Society for Theoretical Statistics (DSTS), 2-3 Oct 2018, Section of Biostatistics, University of Copenhagen, Copenhagen.
- BiRC Mols Meeting, 16-17 Aug 2018, Mols Laboratory, Aarhus University, Strandkær.
- 40th Symposium on Applied Statistics (incl. oral presentation), 22-24 Jan 2018, Department of Food and Resource Economics (IFRO), University of Copenhagen, Frederiksberg.
- Two-day meeting of Danish Society for Theoretical Statistics (DSTS), 31 Oct – 1 Nov 2017, Section for Biostatistics, Aarhus University, Aarhus.
- BiRC Mols Meeting, 17-18 Aug 2017, Mols Laboratory, Aarhus University, Strandkær.
- 39th Symposium on Applied Statistics (incl. oral presentation), 23-24 Jan 2017, Department of Business and Economics, University of Southern, Odense.

- BiRC Mols Meeting, 18-19 Aug 2016, Mols Laboratory, Aarhus University, Strandkær.
- BIG Data - BIG Impact Conference, 13 Nov 2014, Faculty of Business and Social Sciences, Aarhus University.
- Psykiatriens 9. Forskningsdag (incl. poster), 6 Nov 2014, Aarhus University Hospital, Risskov.
- Workshop on Mathematics and Genetics of Selection and Adaptation (MSGa 2014), 23-24 Oct 2014, Aarhus University
- Research Meeting (incl. oral presentation), 22 Oct 2014, Translational Neuropsychiatry Unit, Aarhus University, Risskov.
- TNU Opening Symposium (incl. poster), 19 Sep 2014, Auditorium, Aarhus University Hospital Risskov
- BiRC Mols Meeting, 21-22 Aug 2014, Mols Laboratory, Aarhus University, Strandkær.
- iPSYCH Research Forum, 28-29 Nov 2013, Studenterhuset, Copenhagen (University of Copenhagen)
- Psykiatriens 8. Forskningsdag, 7 Nov 2013, Aarhus University Hospital, Risskov.
- BiRC Mols Meeting, 15-16 Aug 2013, Mols Laboratory, Aarhus University, Strandkær.
- iPSYCH 1st Annual Meeting, 15-17 May 2013, Aarhus University, Sandbjerg Estate.
- CS PhD retreat, 4-5 Apr 2013, Gjern Søhøjlandet. (CS=Dept. of Computer Science)
- 35th Symposium on Applied Statistics, 28-29 Jan 2013, Department of Business Administration, School of Business and Social Sciences, Aarhus University, Aarhus.
- iPSYCH Young Scientist Club meeting, 21-22 Jan 2013, Aarhus University, Aarhus. (participant and organizer)
- BiRC Mols Meeting (incl. oral presentation), 16-17 Aug 2012, Mols Laboratory, Aarhus University, Strandkær.
- iPSYCH Young Scientist Club meeting, 21-22 May 2012, Psykiatrisk Center Sct. Hans, Roskilde.
- SPECT / iPSYCH meeting, 12-13 Apr 2012, Aarhus University.
- CS PhD retreat, 15-16 Mar 2012, Gjern Søhøjlandet.
- Center for Psykiatrisk Forskning Statusmøde (incl. oral presentation), 5 Jan 2012, Hotel Helnan Marselis, Aarhus.
- Psykiatriens 6. Forskningsdag (incl. poster), 17 Nov 2011, Aarhus University Hospital, Risskov.
- PhD Day 2011 (incl. poster), 14 Jan 2011, Graduate School of Health Sciences, Aarhus University, Aarhus.
- Center for Psykiatrisk Forskning Statusmøde [Progress meeting in Centre for Psychiatric Research], 6 Jan 2011, Hotel Helnan Marselis, Aarhus.
- Psykiatriens 5. Forskningsdag, 11 Nov 2010, Aarhus University Hospital, Risskov.
- BiRC Mols Meeting, 12-13 Aug 2010, Mols Laboratory, Aarhus University, Strandkær.
- PhD Day 2010, 15 Jan 2010, Graduate School of Health Sciences, Aarhus University, Aarhus.
- Strömngren Symposium, 14 Jan 2010, Palle Juul-Jensen Auditoriet, DNC-huset, Aarhus University Hospital, Aarhus Hospital, Aarhus.
- BiRC Wednesday morning seminar (incl. oral presentation), 25 Nov 2009, Bioinformatics Research Centre (BiRC), Aarhus University, Aarhus.
- BiRC Mols Meeting, 13-14 Aug 2009, Mols Laboratory, Aarhus University, Strandkær.
- PhD Day 2009 (incl. poster), 16 Jan 2009, Graduate School of Health Sciences, Aarhus University, Aarhus.
- Center for Psykiatrisk Forskning Statusmøde, 8 Jan 2009, Hotel Helnan Marselis, Aarhus.
- Research Meeting (incl. oral presentation), 26 Nov 2008, Centre for Psychiatric Research, Aarhus University Hospital, Risskov.
- Psykiatriens 3. Forskningsdag (incl. poster), 6 Nov 2008, Aarhus University Hospital, Risskov.



- BiRC Mols Meeting (incl. oral presentation), 14-15 Aug 2008, Mols Laboratory, Aarhus University, Strandkær.
- Annual meeting in Danish Society for Genetic Epidemiology (incl. oral presentation), 3 Apr 2008, Faculty of Life Sciences, University of Copenhagen, Copenhagen.
- Center for Psykiatrisk Forskning Statusmøde, 24 Jan 2008, Hotel Helnan Marselis, Aarhus.
- PhD Day 2008, 18 Jan 2008 (incl. poster), Graduate School of Health Sciences, University of Aarhus, Aarhus.
- Strömngren Symposia, 22 Nov 2007, Aarhus University Hospital, Risskov
- Bioinformatics in Genetic Epidemiology, 8 Nov 2007, Faculty of Life Sciences, University of Copenhagen
- Psykiatriens 2. Forskningsdag (incl. poster), 23 Oct 2007, Aarhus University Hospital, Risskov.
- Two-day meeting in Danish Society for Theoretical Statistics (DSTS), 15 – 16 May 2007, Department of Mathematical Sciences, Aalborg University
- Point process modelling and statistical inference, 15 May 2007, Department of Mathematical Sciences, Aalborg University
- Mathematical Genetics of Selection & Adaptation, 16-17 Apr 2007, University of Aarhus
- Workshop on Association Mapping and Linkage Analysis, 22 Mar 2007, University of Aarhus
- 29th Symposium on Applied Statistics (incl. oral presentation), 30-31 Jan 2007, School of Economics and Management, Faculty of Social Sciences, University of Aarhus, Aarhus.
- Psykiatriens Forskningsdag (incl. poster), 3 Oct 2006, Psychiatric Hospital, Risskov.
- Bioinformatics and Systems Biology Day, 28 Oct 2005, University of Aarhus
- Strömngren Symposia, 15 Sep 2005, Psychiatric Hospital in Aarhus
- Two-day meeting in Danish Society for Theoretical Statistics (DSTS), 3-4 May 2005, Department of Mathematical Sciences, University of Aarhus
- Strömngren Symposia, 18 Nov 2004, Psychiatric Hospital in Aarhus
- Bioinformatics Day, 9 Sep 2004, University of Aarhus
- Two-day meeting in Danish Society for Theoretical Statistics (DSTS), 30 Sep – 1 Oct 2003, Department of Biostatistics, University of Copenhagen
- Two-day meeting in Danish Society for Theoretical Statistics (DSTS), 13-14 May 2003, Statens Serum Institut, Copenhagen
- 25th Symposium on Applied Statistics, 27-29 Jan 2003, The Royal Veterinary and Agricultural University, Copenhagen.
- Two-day meeting in Danish Society for Theoretical Statistics (DSTS), 19-20 Nov 2002, Department of Biostatistics, University of Aarhus
- Journal club, oral presentation, 4 Jul 2002, Biometry Research Unit, Department of Agricultural Systems, Research Centre Foulum.
- JBS' faglige udflugt (til Tylstrup Forsøgsstation og AKV.Langholdt), 24 Aug 2001, Afd. for Jordbrugssystemer, Danmarks JordbrugsForskning, Forskningscenter Foulum, Foulum, Denmark.
- SAS seminar, 30 Nov 2001, IT-funktionen, Danmarks JordbrugsForskning, Forskningscenter Foulum, Foulum, Denmark.
- Seminar: Fagområdet Produktionsstyring, 13 Nov 2001, Institut for Husdyrbrug og Husdyrsundhed, KVL, Frederiksberg, Denmark.
- Journal club, oral presentation, 29 Jan 2001, Biometry Research Unit, Department of Agricultural Systems, Research Centre Foulum.
- 22nd Symposium on Applied Statistics, 24-25 Jan 2000, Department of Mathematical Sciences, Aalborg University.

**Courses**

- PhD course: Course in Research-based public sector consultancy, 20 Oct 2020 at Aarhus University, Aarhus, Denmark, and 11-12 May 2021 at Sandbjerg Gods, Sønderborg, Denmark. 3 full days plus an assignment, 3 ECTS.
- Training school on BLCMs for Se/Sp estimation, 19-21 Feb 2020, 3 full days, EU COST Action CA18208 “Novel tools for test evaluation and disease prevalence estimation”, Parthenon Hotel, Athens, Greece.
- Statistical Methods in Bioinformatics, 1st and 2nd quarter, 28 Aug – 12 Oct and 5 Nov – 19 Dec 2012, Bioinformatics Research Centre, Aarhus University, Aarhus, Denmark. Only followed lectures (4 hours/week).
- Next Generation Sequencing Analysis, 16-20 April 2012, 3 ECTS, Bioinformatics Research Centre, Aarhus University, Denmark.
- Introduction to PYTHON programming in genetics, 11-19 Aug 2011, 3.5 ECTS, Graduate School of Health Sciences, Aarhus University, Denmark.
- Scientific Writing and Peer Review, 16 and 18 Nov 2010, 2 full days (1.5 ECTS), Graduate School of Health Sciences, Aarhus University, Denmark.
- MCMC for Genetics (module 11), Coalescent Theory (module 15), Advanced R Programming for Bioinformatics (module 19) and GWAS Data Cleaning (module 22), Summer Institute in Statistical Genetics, 21 Jun - 2 Jul 2010, 10 full days, 72 contact hours (6 ECTS), University of Washington, Seattle, USA.
- Probability models for DNA sequence evolution, 1st and 2nd quarter, August 24 – October 9 and 29 Oct 29 – 16 Dec 2009, 80 contact hours (6.5 ECTS), Department of Mathematical Sciences, Faculty of Science, Aarhus University, Denmark.
- Advanced statistical analysis of time-to-event data, 26 May, 29 May, 9 Jun and 12 Jun 2008, 4 full days (2.5 ECTS), Graduate School of Health Sciences, University of Aarhus, Denmark.
- Literature Searching, 21-22 April 2008, 0.5 day, Graduate School of Health Sciences, University of Aarhus, Denmark.
- Basic course in Health Science Research, 29-31 October 2007, 3 full days + assignment, Graduate School of Health Sciences, University of Aarhus, Denmark.
- Epidemiology for Biostatisticians, 8-10 January 2007, 3 full days, Danish Graduate School of Biostatistics, Department of Biostatistics, University of Aarhus, Aarhus, Denmark.
- Population Genetic Data Analysis and Association Mapping and Clinical Trials, Scandinavian Institute in Statistical Genetics, 24-28 July 2006, 5 full days, University of Aarhus, Aarhus, Denmark.
- Statistical Genetics, 23-27 August 2004, 5 full days (3 ECTS), Department of Natural Sciences, The Royal Veterinary and Agricultural University, Copenhagen, Denmark.
- Practical statistical analysis of DNA microarray data, 26-28 October 2003, 3 full days (21 hours), Faculty of Medicine, University of Copenhagen, Copenhagen, Denmark.
- PowerPoint (Danish title: PowerPoint XP til overhaeads og storskærm), 12 May 2003, Kursusafdelingen, Århus Købmandsskole, Aarhus, Denmark.
- [Genetical epidemiology] (Danish title: Genetisk Epidemiologi), 5-9 May 2003, 5 full days (35 hours), Faculty of Health Sciences, University of Aarhus, Aarhus, Denmark.
- Stata Netcourse 101, Introduction to Stata. 14 Mar – 25 Apr 2003, 6 weeks (4 lectures) with an expected workload of approx. 5 hours per week, Internet-based course held by StataCorp.
- Mixed Models, fall 2001 and spring 2002, 8 full days plus a seminar where the participants presented a large assignment (The assignment has been published in an Internal Report from the

Biometry Research Unit), Biometry Research Unit, Danish Institute of Agricultural Sciences, Foulum, Denmark.

### **Pre-conference courses and other short courses**

- Research Integrity at Aarhus University, 28 Oct 2020, online course, Aarhus University, Denmark.
- Tutorials, 30 Jun 2015, useR! 2015, Aalborg, Denmark.
- Education days, 11-12 Oct 2014, XXIIInd World Congress of Psychiatric Genetics, Copenhagen, Denmark.
- Education day, 17 Oct 2013, XXIst World Congress of Psychiatric Genetics, Boston, Massachusetts, USA.
- Educational sessions, 14 Oct 2012, XXth World Congress of Psychiatric Genetics, Hamburg, Germany.
- Educational sessions, 10 Sep 2011, XIXth World Congress of Psychiatric Genetics, Washington DC, USA.
- Education day: Education Session I (English), 3 Oct 2010, XVIIIth World Congress on Psychiatric Genetics, Athens, Greece.
- Education day, 4 Nov 2009, XVIIth World Congress of Psychiatric Genetics, San Diego, California, USA.
- Education day: Genetics of Schizophrenia (session I) and Update on Current Statistical Genetics Programs (session III), educational sessions, 7 Oct 2007, XVth World Congress on Psychiatric Genetics, New York, USA.
- PhD and Post Doc Course on Inference and Simulation for Spatial Point Processes, NordStat 2006 pre-conference course, 10 Jun 2006, Department of Mathematical Sciences, Aalborg University, Aalborg, Denmark.
- Family-based Association Tests: the FBAT and PBAT Approaches. Basics of Family Based Association Tests and Design (Part 1 and 2), educational sessions, 14 Oct 2005, XIIIth World Congress on Psychiatric Genetics, Boston, Massachusetts, USA.
- Fra kandidatgen til proteinfunktion, intern undervisning i proteinkemi v/ Mie Olsen, Center for Psykiatrisk Grundforskning, Risskov, 26 Apr 2005.
- Epidemiology for the Neurosciences and Pharmacogenetics, educational sessions (E2 and E3), 9 Oct 2004, XIIth World Congress on Psychiatric Genetics, Dublin, Ireland.
- Kromosomer, DNA og Genetik, intern undervisning, Center for Psykiatrisk Grundforskning, Risskov, 26-27 May + 3 Jun 2003.
- Dataseries, state-space models, and the Kalman filter, Dina Research School, 18-19 Apr 2002, Skejby, Denmark.
- Sequential Monitoring in Animal Husbandry: Controlling Error Rates, Dina Workshop, 20 Mar 2002, Foulum, Denmark.
- Bayesian Methods in Biostatistics, International Biometric Society (IBS) pre-conference course, 4-6 Jun 2001, Savonlinna, Finland.
- Time series, Longitudinal data and Space-time models (Norwegian title: Tidsrekker, Longitudinale data og Rom-tid modeller), 7-9 Apr 1999, Norwegian Statistical Association, Bergen, Norway.
- Course on practical analysis of longitudinal data on economic and social conditions (Danish title: Kursus om Praktisk Analyse af Longitudinale data om Økonomiske og Sociale forhold), 21-22 Jan 1999, National Centre for Register-Based Research, Danish National Research Foundation, Copenhagen, Denmark.

**Organizational courses and seminars (in Danish)**

- Temadag for tillidsfolk: Sådan hjælper A-kassen og pensionskassen fyringstruede medlemmer. Unipension, 4 Apr 2011
- MED temadag. Intern undervisning Region Midtjylland, Center for Psykiatrisk Forskning, 3 Jun 2010
- MED kursus for Center for Psykiatrisk Forskning: MEDgrunduddannelse. Underviser: konsulent Nina Skarum, HR, Viborg, Region Midtjylland, 2 Jun 2008.
- TR-møde for DM Natur & Kultur. Sinatur Hotel Storebælt, Nyborg, 12 Oct 2010.
- TR-møde for DM Natur & Kultur. Hotel Hesselet, Nyborg, 29 Jan 2009.
- Konflikthåndteringskursus Basis 3, Uddannelsesafdelingen, Århus Universitetshospital, Risskov, Region Midtjylland, 1 Dec 2008.
- Mindmap og hurtiglæsning. DM Efteruddannelse, Frederiksberg, 10 Nov 2008. (underviser: Line Sander)
- Lønforhandling for tillidsrepræsentanter. Byggecentrum Kursuscenter, Middelfart, 23 Oct 2008.
- MED kursus for Center for Psykiatrisk Forskning, 2 Jun 2008. (underviser: Nina Skarum, HR, Region Midtjylland)
- Temadag for Arbejdsmiljøorganisationen i Regionspsykiatrien, Distrikt Øst, Region Midtjylland, 6 Nov 2007.
- Forvaltningsret. AC overbygningskursus. Odense Congress Center, 19-20 Apr 2007
- Lederkursus til håndtering af sygefravær, Psykiatrisk Hospital i Risskov, 9-11 Oct 2006 (afholdt af HR-afdelingen ved Psykiatrien i Århus Amt)
- TR kursus: "Hvor er pengene? - Budgetter og regnskaber set med TR's øjne (kommunal)". AC kursus, Byggecentrum Kursuscenter, Middelfart, 20-21 Apr 2006.
- TR kursus: Overenskomstkursus, DM, Frederiksberg, 6 Oct 2005.
- Jubilæumstræf for DMs tillidsrepræsentanter, DM, Frederiksberg, 9 Nov 2004.
- DME arrangement: "Få en bedre chef!", Århus Universitet, 11 Oct 2004. (oplægsholder: Lene Rimestad)
- Halv temadag om forebyggelse og håndtering af konfliktsituationer mellem personale og brugere/patienter, Demografisk Afdeling, Psykiatrisk Hospital i Risskov. (afholdt af Uddannelsesafdelingen ved Psykiatrien i Århus Amt)
- TR kursus (tværorganisatorisk): "Få indflydelse på menuen", DJØF, København, 1-2 Apr 2004.
- TR basiskursus II: TR og Personalepolitikken, Kongebrogården, Middelfart, 24-25 Feb 2004.
- TR basiskursus I: TR på offentlig arbejdsplads, Comwell, Middelfart, 9-11 Sep 2003.
- TR kursus: introduktionsdag for nyvalgte tillidsrepræsentanter, DM, Frederiksberg, 21 Aug 2003.
- Introduktion for nye medarbejdere i Psykiatrien i Århus Amt, 12 Nov 2002. (afholdt af Uddannelsesafdelingen ved Psykiatrien i Århus Amt)