

CURRICULUM VITAE – TORSTEN NYGAARD KRISTENSEN

- **PERSONAL INFORMATION**

Name: Torsten Nygaard Kristensen, Nationality: Danish, Date of birth: 3/12/1972

Address: Jens Munks Vej 36, 8200 Aarhus N.

Married – 2 children (8 and 9 years old).

URL for web site: <http://personprofil.aau.dk/129197?lang=en>

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- **RESEARCH FOCUS**

My main research focus is on understanding the genetic architecture of complex traits and on identifying mechanisms that constrain and enforce adaptation to stressful environments. In this work I often use molecular omics technologies to pinpoint genes and molecular mechanisms explaining variation in life history, disease, and stress resistance traits

- **EDUCATION**

Master of Science from Dept. of Bioscience, Aarhus University (AU), 2001, and PhD from Dept. of Bioscience, AU (obtained 25/10 2004)

- **CURRENT POSITIONS**

2016– Prof. Dept. of Chemistry and Bioscience, Aalborg University (AAU) (80%) and assoc. prof. Dept. of Bioscience, AU (20%)

- **PREVIOUS POSITIONS AND LONGER STAYS ABROAD**

2013–2016 Prof. MSO Dept. of Chemistry and Bioscience, AAU

2012–2013 Senior researcher for 12 months at NordGen - Nordic Genetic Resource Center, Domestic Animals Section (Nordic Council of Ministers institution), Ås, Norway

2008–2012 Steno Research Fellow at Dept. of Molecular Biology and Genetics, Foulum, AU

2008–2009 5 months as a guest researcher at Melbourne University, Australia

2005–2006 12 months as a guest researcher at Melbourne University, Australia

2004–2008 Postdoc at Dept. of Molecular Biology and Genetics, Foulum, AU

2001–2002 5 months as a guest researcher at University of New England, Armidale, Australia

- **LARGER RESEARCH GRANTS AND HONOURS**

2018-2022 DFF-FNU (PI, EUR ca. 380.000) ‘Stress responses and candidate gene expression investigated across species and ecosystems in the field’

2016-2019 DFF-FTP (co-applicant, EUR ca. 856.000) ‘Optimizing performance of biological control agents used in Integrated Pest Management’

2015-2017 Villum block stipend (co-applicant, EUR ca. 188.000) ‘Modelling global insect distribution: Role of thermal acclimation and adaptation’

2015 I got to the interview round for an ERC consolidator grant (Final score: B - ‘meets some but not all elements of the ERC's excellence criterion and will not be funded’).

2014-2018 DFF-FNU Sapere aude II (PI, EUR ca. 800.000) ‘Genotype by environment interactions: transition from genotype to phenotype’

2008-2012 DFF-FNU Steno stipend (PI, EUR ca. 470.000) ‘Physiological responses to environmental and genetic stress’

2004-2008 Danish Agricultural and Veterinary Research Council (PI, EUR ca. 220.000) ‘Using model organisms to pinpoint genes contributing to disease in livestock’

- **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

2013– Supervisor for 12 master students, 2 PhD students, and 2 post docs at Department of Chemistry and Bioscience, Aalborg University

2006–2012 Co-supervisor for 6 master students, 1 PhD student and 1 post doc at Department of Molecular Biology and Genetics, Aarhus University

2004– Co-supervisor for 7 master students, 4 PhD students, and 3 post docs at Department of Bioscience, Aarhus University

- **INVITED PRESENTATIONS (LAST 10 YEARS)**

2018 Annual Meeting of the German Zoological Society. Keynote speaker in the symposium ‘Phenotypic Plasticity – Response of Animals to Environmental Change’, Greifswald, Germany

2015 VISCEA conference on ‘Molecular Ecology and Evolution’, Vienna, Austria

2012 Nordic Council of Ministers conference on ‘Genotype-by-Environment Interactions and Adaptation of Farm Animals on Phenotypic and Molecular Level’, Tuusula, Finland

2010 European Science Foundation (ESF) meeting on ‘Evolutionary potential in natural populations’, Sandbjerg

2009 Congress of the European Society for Evolutionary Biology, Torino, Italy (1 of 2 invited speakers in the symposium: ‘Inbreeding depression: from gene expression to

population viability’)

- 2009 ESF meeting on ‘Evolutionary and physiological adaptation to climate-induced environmental changes’, Bialowieza, Poland
- 2009 ESF meeting on ‘Integrating population genetics and conservation biology’, Trondheim, Norway

• **ORGANISATION OF INTERNATIONAL SCIENTIFIC MEETINGS (LAST 10 YEARS)**

- 2016 Symposium on ‘Population and community responses to environmental change’ Aalborg. Approximate no. of participants 60
- 2013 Nordic Council of Ministers and NordForsk conference on ‘Genetic Resources for Food and Agriculture in a Changing Climate’ Lillehammer, Norway. Approximate no. of participants 150
- 2010 European Science Foundation meeting on ‘Evolutionary potential in natural populations’, Sandbjerg. Approximate no. of participants 150
- 2009 European Science Foundation meeting on ‘Evolutionary and physiological adaptation to climate-induced environmental changes’, Białowieża, Poland. Approximate no. of participants 120
- 2008 European Science Foundation meeting on ‘The omics of inbreeding’, Mols. Approximate no. of participants 50

• **COMMISSIONS OF TRUST / MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- 2018– Board representative ‘Talent programme’ – Northern Jutland high schools
- 2018– Board representative ‘Talent programme’, AAU
- 2016– Vice-chair for the Danish Cattle Foundation (‘Kvægafgiftsfonden’)
- 2015– Board representative COST Review Panels
- 2015– Editorial board member for the journals ‘Scientific Reports’ and ‘Genetica
- 2013– Member of the institute committee, Dept. of Chemistry and Bioscience, AAU
- 2012–2018 Board member of Aalborg Zoo Conservation Foundation
- 2012– Reviewer for national research councils in Denmark, Israel, the Netherlands and France
- 2012 Guest editor on a special issue in the journal ‘Climate Research’
- 2010–2016 Board representative of European Science Foundation network ‘ConGenOmics’
- 2010–2016 Associate editor for the journal ‘Animal Conservation’
- 2007– Opponent 4 international doctoral dissertations (the Netherlands, Australia, Finland)
- 2002– Reviewer for approximately 20 peer-reviewed journals (approx. 12 articles per year)

- **INTERNATIONAL CLOSE COLLABORATORS**

Prof. A.A. Hoffmann, Melbourne Univ., Australia; Assoc. prof. C. Sgró and Dr. V. Kellermann, Monash Univ., Australia; Assoc. prof. T. Ketola and Dr. I. Kronholm, Jyvaskylä Univ.; Dr. A. Malmendal and Dr. Mads Fristrup Schou, Lund Univ., Sweden; Dr. J. Munoz, Doñana Biol. Station, Spain; Prof. Klaus Fisher Univ. of Koblenz-Landau, Germany, Prof. Charles Fox Univ. Kentucky, USA; Dr. Gemma Henderson, AgResearch Limited, Grasslands Research Centre, Palmerston, New Zealand, Prof. Peer Berg, Norwegian Univ. Life Sciences, Ås, Norway; prof Yvonne Willi, University of Basel, Switzerland

- **PUBLICATIONS** → please see <https://vbn.aau.dk/da/persons/129197/publications/> or https://scholar.google.dk/citations?hl=en&user=Z5i5VgUAAAAJ&view_op=list_works