

Employment**2020 – Pres. Full Professor, Department of Biomedicine, Aarhus University (AU)****2017 – 2020** Professor MSO, Department of Biomedicine, AU**2010 – 2017** Associate Professor MSK, Department of Human Genetics, AU**2002 – 2010** Associate Professor, Department of Human Genetics, AU**1999 – 2002** Assistant Professor, Department of Human Genetics, AU**1997 – 1999** Research Assistant Professor, Department of Human Genetics, AU**1997** Research Assistant, Department of Human Genetics, AU**Academic qualifications****1997** PhD in Human Genetics from AU**1994** MSc in Chemistry and Biotechnology from AU**Leadership, appointments, and achievements****2001 – 2004** Teaching Coordinator, Department of Human Genetics, AU**2004 – 2011** Deputy Head of Department (Human Genetics), AU**2009 – 2015** Member of the Board of Health Sciences, AU**2010 – 2014** Member of the Danish Consensus Platform for 3R Alternatives to Animal Experimentation (Dacopa)**2011 – Pres. Deputy Head of Department (Biomedicine), AU****2011 – 2015** Member of the Scientific Board, Department of Biomedicine, AU**Publications and patents**

Published 171 papers in peer-reviewed international journals, including 1 patent, author of 7 book chapters and inventor of 8 additional patents. First or last author of 45 publications. In total **I have >6043 citations, h-index 46 (Web of Science)**. Published in major journals, including PRER (IF 19), NAR (IF 19), JCI (19), Genome Research (IF 14), Mol Psych (IF 13), Molecular Therapy (IF 13), Am J Hum Genet (IF 11), MTNA, (IF 10).

Scientific focus areas, management and research leader experience

Since 2002 I have been the leader of my research group currently working on "Development and translation of gene therapy for retinal diseases using RNAi- and CRISPR-based tools delivered by viral vectors". Main task is to bring efficacious, specific and safe gene therapy of AMD to the clinic. I have been the main supervisor/co-supervisor for 7 postdocs, 28 PhD students and 62 undergraduate students. Currently main supervisor of 4 PhD-student and 4 BSc/MSc students.

External funding, awards, and honors (most recent)

Over the last decade in total > 34.6 mill DKK (principal applicant) and 24.3 mill DKK (co-applicant).

2024 Carlsberg Foundation (500.000 DKK)**2024** NNF Tandem (10.000.000 DKK)**2021** IRFD (2.900.000 DKK)**2021** Velux Foundation (3.300.000 DKK)**2020** Mette Warburg Honorary Lecture, Copenhagen University**2020** The Danish Eye Foundation (300.000 DKK)**2020** Danielsen's Fond (125.000 DKK)**2018** The Danish Eye Foundation (370.000 DKK)**2018** Danielsen's Fond (125.000 DKK)**2016** Einar Willumsen's Mindelegat**2016** Velux Foundation (1.600.000 DKK, co-applicant)

Other scientific qualifications

- Significant international research experience in the field of ocular gene therapy.
- **Strong collaboration with national and international research groups**, including researchers affiliated to Hôpital Jules-Gonin, University of Lausanne, Switzerland, King's College London, UK, University of Oxford, UK, University of South Carolina, USA.
- **Significant experience in leadership, acting deputy head of Department during two decades at the Department of Human Genetics and the Department of Biomedicine, AU.**
- Completed Research Management Program at AU.
- Extensive experience in teaching, organization, examination at Health. Course leader of 5. semester elective course.
- Substantial experience in research management, career development and training of undergraduate and PhD students.
- Received substantial external funding from e.g. **Carlsberg Foundation 2024 (0.5 mill DKK)**, **NNF (Tandem) 2024 (10 mill DKK)**, **IRFD 2022 (2.9 mill)**, **Velux Foundation 2021 (3.3 mill DKK)**, The Danish Eye Foundation 2012-20 (1.425 mill DKK), Danielsen's Fond 2011-20 (0.750 mill DKK), Velux Foundation 2016 (1.6 mill DKK, mentor), The Danish Medical Research Council 2015 (0.22 mill DKK), The Graduate School at HELATH, AU 2015, 2017, 2019 and 2021 (4x 1.800.000 DKK), Lundbeck & Insusense 2015 (1.6 mill DKK), Riisfort Fonden 2014 (0.125 mill DKK), Lundbeck 2014 (1.4 mill DKK, mentor), Lundbeck 2013 (2 mill DKK, co-applicant), Svend Helge Schrøder's Fond 2013 (0.365 mill DKK), IRFD 2010 (1.5 mill DKK). Lundbeck Foundation 2009 (0.75 mill DKK), IRFD 2007 and 2009 (> 0.5 mill DKK). **Over the last decade in total > 34.1 mill DKK (principal applicant) and 22.3 mill DKK (co-applicant).**
- Founder and PI of the NNF Tandem Center 'REVOLUTION-AMD' founded in 2024
- Founder and PI of the VELUX Center 'Get-AMD-Cure' founded in 2021.
- Co-founder and PI of the Lundbeck Center 'Gene Therapy Initiative (GTI)-Aarhus' founded in 2013 and supported by the Lundbeck Foundation.
- Presently co-editor and member of the Editorial board of Acta Ophthalmologica.
- Reviewer for scientific journals including Nature Communications, Molecular Vision, Molecular Therapy, Plos One, HGT, Scientific Reports, Molecular Genetics and Metabolism, BBA, IJMS, Journal of Clinical Ophthalmology, Acta Ophthalmologica, Gene Therapy, and Current Eye Research.
- Organizer of 1 international and 3 national scientific meetings regarding impaired folding, cellular stress factors and cellular pathophysiology.
- Several invited talks at national and international congresses and meetings. Recent events: 2022, Oxford, UK, British Macular Society; 2022, Milano, 40th ESCRS; 2022, Rostock, 4th Baltic Sea Eye Congress; 2022, Nyborg, Denmark, Ophthalmologic Days; Oxford, UK, British Macular Society; 2018, Lausanne, Switzerland, ESGCT.
- **Scientific reviewer for The Wellcome Trust, UK, Medical Research Council (MRC), UK, the British Macular Society (UK), and the German Research Foundation (DFG).**
- I speak and write fluent Danish (mother tongue) and English, and speak German fluently.