

# Curriculum Vitae

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## **Education**

- 2019** Leading research – leadership course, University of Copenhagen  
**2014** (Pre-) leader course "women, career and UCPH", University of Copenhagen  
**2012-2014** Course "Teaching and Learning in Higher Education", University of Copenhagen  
**2007-2011** PhD degree at the Laboratory of Aquatic Pathobiology, University of Copenhagen  
Title "Immunity against *Ichthyophthirius multifiliis* in rainbow trout". Main supervisor, Professor Kurt Buchmann. Degree obtained the 1st of November 2011.  
**1997-2003** Master of Science degree in Biology, Mandahl-Barth Research Center for Biodiversity and Health, DBL - Institute for Health Research and Development. Supervisor, Professor Thomas Krogsgaard Kristensen. This task included one month of fieldwork in Tanzania, Africa.

## **Professional experience**

- 2018-** Associate professor at the Laboratory of Aquatic Pathobiology, University of Copenhagen  
**2015-2018** Assistant professor at the Laboratory of Aquatic Pathobiology, University of Copenhagen  
**2012-2015** Postdoc at the Laboratory of Aquatic Pathobiology, University of Copenhagen.  
**2005-2007 & 2011-2012** Scientific Research assistant at the Laboratory of Aquatic Pathobiology, University of Copenhagen

## **Research related stays abroad**

- 2013** May-July, research stay in Professor Oriol Sunyers laboratory at the University of Pennsylvania in Philadelphia. Result: one paper published in Nature communications.

## **Grants**

- 2022** Fiskeristyrelsen. Aktivt slam og intelligent sygdomskontrol i til Model 3 - FREA/RAS-opdræt. 7.2 M DKK  
**2021** DFF – Technology and Production. Identifying genes responsible for natural resistance against a fish parasite. 2.88 M DKK.  
**2021** Horizon 2020 network grant: RASOPTA - Safeguarding future production of fish in aquaculture systems with water recirculation. 24 M DKK. Coordinator and work package lead Louise von Gersdorff Jørgensen.  
**2021** GUDP grant: Profishence 7 M DKK. PI Anders Miki Bojesen.  
**2020** Carlsbergfondet. Infrastructure grant: 240.000 DKK for a new fluorescence stereo microscope for zebrafish teaching and research.  
**2019** DFF – Danish ERC programme. HOSTgutINTERACT – PI Morten Limborg, Globe Institute, University of Copenhagen. 500.000 DKK for my group for the implementation of the CRISPR/Cas9 technique in zebrafish.  
**2018** Kirsten & Freddy Johansens Fond for the project "In vivo visualisering af immunrespons og infektionsmønster af rhabdovirus" – in zebrafish (103.000 DKK).  
**2012-2016** Postdoc funding: The Danish Council for Independent Research – Technology and Production Sciences (3,205,315 DKK, \$577.701). Title "A novel anti-parasitic vaccine using killed

bacterial vectors for the introduction of parasite antigens in fish”, which resulted in 5 published peer review papers and one patent.

### **Scientific focus areas**

- Fish (rainbow trout and zebrafish) and parasitology
- Immunology, fish diseases and diagnosis
- Biotechnology (e.g. CRISPR/Cas 9 gene mutation technique) and vaccinology
- *In vivo* imaging (confocal microscopy)

### **International relations**

As coordinator of RASOPTA ([www.rasopta.ku.dk](http://www.rasopta.ku.dk)) and participation in international projects such as Imaquanim (<http://tinyurl.com/hwfxfk8>), TargetFish (<http://targetfish.eu>) and Parafish Control (<http://www.parafishcontrol.eu>) I have built a wide international network. These collaborations have resulted in substantial scientific results and provide the basis for future projects. I am a member of the International Society of Fish and Shellfish Immunology (ISFSI) board as secretary treasurer.

2021, March: I held an international webinar for WAVMA and EAFP (World Aquatic Veterinary Medical Association and European Association of Fish Pathologists) with 413 registered international participants. Title: zebrafish as a model for fish diseases.

### **Supervision**

- 2021-25** Principal supervisor for three PhD students enrolled in the graduate programme Immunology and Infectious Diseases
- 2016-25** Co-supervisor for six PhD students currently enrolled in the graduate programme Immunology and Infectious Diseases.
- 2017-2018** I co-supervised a master student Anna Magdalene Brun on the thesis: The aquatic toxicology and endocrine disrupting potential of nitrification inhibitors (in zebrafish). She is now doing a PhD project at the University of Aarhus.
- 2016-17** Co-supervisor for a veterinary master student Therese Birgitte Christoffersen, thesis: Immunrespons mod *Ichthyophthirius multifiliis* infektion i zebrafisk (*Danio rerio*) – vurderet ved qPCR og histologi.
- 2015-16** Main supervisor for a veterinary master student (Sandra Jeberg) and of a master of parasitology student (Jonas Sørensen).

### **Committee work**

Member of PhD evaluation committees; University of Tasmania (2015, 2019), Australia, University of Bergen (2020), Norway, Technical University of Denmark (2021), Ben Gurion University, Israel (2021), University of Copenhagen, Denmark (2021).

### **Publications**

- 48 Peer review publications
  - 18 without my PhD supervisor, 15 as first author, 5 as last author, 4 as single author
- 36 Conference abstracts
- 6 Invited talks