LENE NIEMANN NEJSUM, PhD, Dr. Med.
Professor, Laboratory for Translational Epithelial Transport and Bioimaging
Associate Fellow, Aarhus Institute of Advanced Studies (AIAS)

Department of Clinical Medicine, Aarhus University
Palle Juul-Jensens Boulevard 11, A501-108, DK-8200 Aarhus N

Contact Information:
Cell: +45 2116 3121 | Email: nejsum@clin.au.dk
Web: nejsumlab.au.dk | Facebook: facebook.com/nejsumlab
ORCID: 0000-0003-4368-8821

EDUCATION

- **2023**: Doctor medicinae, Aarhus University, Denmark
- **2004**: PhD in Medicine, Department of Anatomy, Aarhus University, Denmark
- **1999**: Master of Science in Molecular Biology, Aarhus University, Denmark
- **1997**: Bachelor in Chemistry, Aarhus University, Denmark

CURRENT POSITION

- **2023 – Present**: Professor, Department of Clinical Medicine, Aarhus University, Denmark

PREVIOUS POSITIONS

- **2015 – 2023**: Associate Professor, Department of Clinical Medicine, Aarhus University
- **2011 – 2015**: Associate Professor, Department of Molecular Biology and Genetics, Aarhus University
- **2010 – 2011**: Assistant Professor, Department of Molecular Biology and Genetics, Aarhus University
- **2004 – 2009**: Postdoctoral Researcher, Molecular and Cellular Physiology, Bio-X, Stanford University, USA

ACADEMIC HONORS

- **2020**: Hallas Møller Ascending Investigator Fellowship, Novo Nordisk Foundation
- **2015**: Best Lecturer of the Year, Department of Molecular Biology and Genetics, Aarhus University
- **2009**: Lundbeck Foundation Junior Group Leader Fellowship
- **2001**: Novo Nordic PhD Plus Prize for Young Talented Scientists

---

PROFESSIONAL SERVICE AND LEADERSHIP

- **2024 – Present:** Career Ambassador for Postdocs and Assistant Professors, Aarhus University

---

SCIENTIFIC MANAGEMENT, REFEREE, AND EDITORIAL WORK

- **2024 – Present**: Editorial Board Member, *American Journal of Physiology – Cellular Physiology*
- **2022**: Chair, Benzon Symposium "Aquaporins in Health and Disease," Copenhagen, Denmark
- **2020 – 2023**: Chair, Review Committee, Open Discovery Innovation Network (ODIN)
- **2019 – 2023**: Associate Editor, *International Journal of Biochemistry and Cell Biology*
- **2017 – Present**: National Editor, *APMIS Journal of Pathology, Microbiology and Immunology*
- Organizer of multiple scientific events, including symposia and annual research meetings
- Member of PhD and faculty review committees (national and international)

BIBLIOGRAPHIC OVERVIEW

- **Publications**: 79 peer-reviewed papers (35 senior/corresponding author, 9 first author, 1 single author)
- **Book Chapters**: 2 | **Editorials**: 1
- **Total Citations**: >4,700 | **H-Index**: 27 | **i10-Index**: 56 (*Google Scholar, April 2025*)

MANAGERIAL AND ADMINISTRATIVE EXPERIENCE

- Leading a research group since **2010**, overseeing grant applications, budgeting, supervision, and administration
- Participation in multiple leadership courses
- Chairing and serving on evaluation committees for PhD theses, postdocs, and academic positions

---

MAJOR INTERNATIONAL COLLABORATIONS

- **Prof. Maddy Parsons**, King's College London, UK (*J Physiol 2018, FASEB J 2019*)
- **Prof. Tae-Hwan Kwon**, Kyungpook University, Republic of Korea (*FASEB J 2019, 2020*)
- **Prof. Jennifer Lippincott-Schwartz**, Janelia Research Campus/NIH, USA (*Nano Lett. 2018*)
- **Prof. Giovanna Valenti**, University of Bari, Italy (*J Physiol 2023*)
- **Advanced Imaging Core**, Janelia Research Campus, USA (*AJP Cell 2021*)

RESEARCH EDUCATION

- Supervised 7 postdocs (currently 1), 9 PhD students (currently 4), and over 10 undergraduate students
- Organized and taught courses, including "Introduction to Fluorescence Microscopy" (2017–present)
- Mentored award-winning students, including recipients of the Science and Technology Talent Award (2018)

TECHNOLOGICAL DEVELOPMENTS

- Developed a novel multiplex imaging method for confocal-quality imaging using a widefield microscope (*Elsborg et al., APMIS 2023*)
- Created a high-throughput imaging screen for invasive pathogens (*Ernstsen et al., J Microbiol Methods 2017*)
- Engineered a cell model enabling live-cell imaging of AQP2 tagged with EGFP (*Holst and Nejsum, AJP Cell 2019*)