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sfpedersen@bio.ku.dk

#### EDUCATION

1998 (May 7th) PhD, University of Copenhagen, Denmark (UCPH)

1994 (Nov 3rd) Master of Science, UCPH

#### SCIENTIFIC FOCUS AREAS

Acid-base and nutrient homeostasis in the tumor microenvironment. pH- and lactate-sensing mechanisms and signaling in health and disease. Structure-function, regulatory interactions, cell physiology and pathophysiology of acid-base and lactate transporters.

#### POSITIONS

2013-Full Professor, Dept. of Biology, UCPH, DK

2006-13 Associate Professor, Dept. of Biology, UCPH, DK

2003-06 Assistant professor, Inst. of Molecular Biology, UCPH, DK

2001-03 Postdoc, UC Davis School of Medicine, Davis, CA, USA

2000-2001 Postdoc, August Krogh Institute, UCPH, DK

1998-2000 Clinical Research, H. Lundbeck A/S, DK

#### ACADEMIC HONORS AND POSITIONS OF TRUST, SELECTED

2023-Elected representative for the Life Sciences section, KDVS

2018- Elected member, Royal Danish Academy of Science and Letters (KDVS)

2019-21 President, International Society for Cancer Metabolism

2018-22 Editor-in-Chief, RBBP

2008-Editorial Board Member, Pflügers Archiv

2003 New Investigator Award, MDIBL, ME, USA

2003 Bodil Schmidt-Nielsen fellow, MDIBL, ME, USA

#### RESEARCH LEADERSHIP/MANAGEMENT

2020- Deputy Head of Department for Research, Dept. of Biology, UCPH

2014-16 Chair, Dept. of Biology Strategic Research Committee

2006-Head of 10-18 person research group

2021 LUKU-basis, UCPH

2020 Research Management Master class, CBS

2011 Project Management I-II, Implement Consulting

2008-09 Research Management, CBS

#### MAIN CURRENT FUNDING

2022-26 NNF Interdisciplinary Synergy (PI, 15 mio DKK)

2019-23 Marie Curie ITN (co-PI, 1 PhD student)

2018-24 NNF – endocrinology (PI, 3 mio DKK)

2021-24 FSS project 1 (PI, 2.9 mio DKK)

2021-24 FNU project 1 (PI, 2.9 mio DKK)

2021-23 Danish Cancer Society (PI, 2.5 mio DKK)

2021-23 Carlsberg Foundation (PI, 1 mio DKK)

#### SUPERVISION AND TEACHING

Supervised >50 MSc students, 12 PhD students, 7 postdocs since 2003

Frequent PhD opponent/committee chairman (DK, Sweden, Canada, France, Belgium, UK)

Current teaching: General Cell Biology; Developmental Biology; Cellular and integrative Physiology; Signal Transduction; Cellular Signaling in Health and Disease

Organizer of PhD Summer School on Membrane Transport (Sandbjerg Gods, Denmark, 2005-2014)

Mentor in the UCPH mentor program for young faculty

#### INNOVATION

2022-Co-founder of SOLID Therapeutics (<https://www.solidtherapeutics.com/>)

#### REVIEWER AND GRANT EVALUATION ACTIVITIES

2023- Panel Member for LS4-Physiology in Health, Disease and Ageing in the 2023 evaluation of completed ERC-funded projects

2022-Young Investigator programme committee member, Villum Foundation

Frequent grant evaluator, e.g. IUF, Inst.National du Cancer, France, NSF USA, Medical Research Council UK

Ad hoc reviewer, e.g. Oncology, Cell Reports, Science, Nat Cell Biol, Nat Comm, Cancer Res, Cancer Letters

#### RECENT OUTREACH

2021-Chair of the advisory board for "Formidlingsakademiet", KDVS

2020 Author of: "Fortællinger fra Grundforskningens Grænseland" (ISBN 978-87-7304-433-9)

2020-Chair of the KDVS communication committee

2019 Podcast: Science Stories <http://den2radio.dk/udsendelser/science-stories-luca/>

#### BIBLIOMETRICS (as of May, 2023)

152 peer-reviewed papers (3 book chapters)

H-index: Web of Science: 50, Google Scholar: 56

Citations: Web of Science: 8100; Google scholar: 10590

Published papers as first author: 30; as senior author: 59

#### INTERNATIONAL RELATIONS (CURRENT KEY COLLABORATORS)

Albin Sandelin, BRIC/BIO UCPH; Birthe B. Kragelund, BIO, UCPH; Henriette Pilegaard, BIO, UCPH; Blanca Aldana, Dept.

of Molecular and Cellular Pharmacology, Faculty of Health, UCPH, Thue Schwartz, CBMR, UCPH; Luis A. Pardo, Frauke Alves, Max-Planck institute for experimental Medicine, Göttingen, DE; Paolo Porporato, Dario Longo, University of Torino, IT, Laurent Counillon, Université Coté d'Azur, FR, Eric Morrow, Brown University, RI; Andras Kapus, University of Toronto, Ontario, CA; Reza Maroofian, St. George's University of London, UK.