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Professor and Medical Director at the section of Hyperbaric Medicine 4092
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Academic titles.

Ph.D. 1998. *Volume changes of nitrogen and helium bubbles in adipose tissue during air, nitrogen or oxygen breathing.*
Dr.med. 2012. *Treatment of decompression sickness during breathing of oxygen and inert gases.*

Current position – appointment.

- Since 2012- Chief physician and consultant at the Hyperbaric Clinic, Dept. of anaesthesiology, Head- and Orthopedic Centre, Rigshospitalet. Head of hyperbaric medicine research at the Hyperbaric Clinic and the Laboratory of Hyperbaric Medicine for pre-clinical research and experiments.
- Since February 2022 Clinical Professor in Hyperbaric Medicine, Department of Anaesthesiology, Head- and Orthopedic Centre, Rigshospitalet and Department of Clinical Medicine, University of Copenhagen.

Primary research fields.

- Acute hyperbaric medicine (necrotizing soft-tissue infections, cellular poisonings and hyperbaric oxygen therapy, diving- and altitude related decompression sickness and physiology-, diving medicine)
- Elective hyperbaric medicine (radiation injuries bony and soft tissue, ischemic wound-healing, adjuvant hyperbaric oxygen therapy in neurorehabilitation)
- Pre-clinical, experimental hyperbaric oxygen in acute infections with sepsis- septic-shock modelling, diving- and altitude decompression disorders, cellular poisonings (e.g., carbon-monoxide, cyanide).

International research projects and corporation.

- Head of the clinical part of the international INFECT study at Rigshospitalet. EU 7th frame-program (<https://cordis.europa.eu/project/id/305340/reporting>). Clinical work package 2 and corporation between the hospitals of Haukeland-Bergen, Sahlgrenska-Gothenburg, Karolinska-Stockholm, Karlskrona-Blekinge and Rigshospitalet-Copenhagen.
- Primary investigator and research leader at Rigshospitalet on the international projects **PERMIT** and **PERAID** funded by the Innovation Fund Denmark, Nordforsk and the EU Horizon 2020 program. Personal medicine in necrotizing soft tissue infections and/or sepsis, including omics studies, machine learning, AI.
- Studies on the use of HBOT in necrotizing soft tissue infections and development of future clinical trial designs in NSTI and HBOT. Website: www.permedinfect.se.
- Member and local PI of the STEPS (Sepsis Targets and companion biomarkers for Effective Personalized Solutions) program. A continuation of the PERMIT and PERAID consortium.

Peer-review assignments and ph.d.- assessment committees.

Regular peer-review assignments for >15 different scientific journals. Ph.D. assessment committee and opponent for ph.d's from the KTH Royal Institute of Technology, Stockholm, Sweden.

Medical student and post graduate Ph.D.-student guidance:

Since 2005 principal Supervisor and research supervisor for 12 PhD students and/or post.doc., 18 scholarship students on pre graduate research year and several bachelor/candidate examinations of medical students at the medical faculty and department of clinical medicine, University of Copenhagen.

Invited speaker at international scientific meetings.

During my scientific work > 30 invited speaker sessions at conferences and workshops in Europe, North America, Singapore, Australia, New-Zealand.

Entrusted international positions.

Member of the European Underwater and Baromedical Society Executive committee (EUBS Excom) 1996-98.
Vice-President of the EUBS 2015-2018 and member of the EUBS ExCom.
President of the EUBS society since September 2018 to December 2021.
Current member of the EUBS Excom – immediate past president.

Overview peer-reviewed publications, abstracts- and scientific congress proceedings.

100 peer reviewed publications – including Ph.D thesis 1998 and Doctoral thesis 2012 (ISBN 978-87-995449-0-5). 6 book chapters (ISBN: ISBN 86-83195-01-5 / ISBN: 87-982322-6-6, 1991/ [ISBN: 87-982322-1-5](#)) + Medicinsk kompendium, DK, chapter 49: Decompression Sickness (ISBN-13: 9788762817524), 2019- and 2024-chapter 43 (ISBN:9788702364835). Book on NSTI, Springer, 2020. ISBN 978-3-030-57616-5 (eBook). 59 abstract- and congress proceedings at international scientific meetings. **H-Index**, citations: **22**, 1399 (*Web of Science*): **24**, 1558 (*Scopus*): **27**, 2330(*Google Scholar*)