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Exercise and Muscle  
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## Education

2005 Adjunkt pædagogikum (Higher Education Teaching and Teaching Practice Programme).  
2002 PhD from Institute of Medical Anatomy, UCPH. Title of PhD thesis: Quantitative analysis of movement patterns in patients with clubfoot and patients with anterior cruciate ligament deficiency. Date: 19/12-02.  
1998 Master's degree with a major degree in Exercise Science and a subsidiary degree in Political Science, UCPH. Date: 26/3-98.

## Academic employment/positions

1/3 2017 - Associate professor, Department of Biomedical Sciences, UCPH.  
1/1 2020 - Visiting professor, The Parker Institute, Bispebjerg-Frederiksberg Hospital, Denmark.  
2017-2019 Affiliated with The Department of Physical and Occupational Therapy, Bispebjerg-Frederiksberg Hospital, Denmark.  
2015-2019 Adjunct professor, University of Ottawa, School of Human Kinetics (employee #100254697).  
2007-2017 Associate professor, Department of Neuroscience and Pharmacology, UCPH.  
2004-2007 Assistant professor, Institute of Medical Anatomy, UCPH.  
2003-2004 Maternity leave.  
2002-2003 Research associate professor at the Institute of Medical Anatomy C & Institute of Exercise and Sport Sciences, UCPH.  
2000-2001 Maternity leave.

## Supervision of bachelor (BSc), master (MSc) and PhD students

Completed: > 35 BSc, >30 MSc, 4 PhDs,  
Ongoing: 3 BSc, 1 MSc, 1 PhD.

## Teaching

Biomechanics and Neural Control of Human Movement (SMTK21001U). Master of Science in Engineering (Civilingeniør) Biomedical Engineering, at Faculty of Health Sciences, UCPH. Master level, annually, spring since 2021.

MA412-1 19V Specialization course in biomechanics, The Norwegian School of Sport Sciences, Norway, master course, annually since February 2019.

Facilitating innovative processes, PhD course, Faculty of Health and Medical Sciences, UCPH, June 2018, March 2019, August 2020 & 2021.

Rethinking Healthcare – Innovation as a powerful driver (SMTK18001U), summer course at The Faculty of Health Sciences, UCPH. Master level. August 2018 & 2019.

Biomechanics of the Locomotor System (SMTB14001U), Master of Science in Engineering (Civilingeniør) Biomedical Engineering, at The Faculty of Health Sciences, UCPH. Bachelor level, annually, autumn since 2004.

Tissue and Movement Biomechanics (SMTK14001U). Master of Science in Engineering (Civilingeniør) Biomedical Engineering, at Faculty of Health Sciences, UCPH. Master level, annually, spring 2008-2020.

Basic Human Biology and the Chemical Components of the cells (SMEB12001U), 1. semester medical students, at The Faculty of Health Sciences, UCPH. Bachelor level, biannually since 2007.

Tissue and Movement Biomechanics DTU (31529), Master of Science in Engineering (Civilingeniør) – Medicine and Technology at Technical University of Denmark (DTU). Master level, annually, since 2014.

Master Course offered by the Nordic Muscle Tendon Network (NMTN), Course title: Human Muscle Tendon Function - Meet the researchers. UCPH, June 2, 2014 and The Swedish School of Sport and Health Sciences, November 7, 2014. Master level. Funded by Nordplus.

## **International collaboration**

Nordic Muscle Tendon Network (NMTN): Jens Bojsen-Møller, Olivier Seynnes, The Norwegian School of Sport Sciences, Taija Finni, Neil Cronin, University of Jyväskylä, Kari Kalliokoski, University of Turku, Kirsten Albracht, German Sport University Cologne, Peter Magnusson, UCPH, Per Aagaard, University of Southern Denmark, Toni Arndt, The Swedish School of Sport and Health Sciences.

Daniel L. Benoit, Associate Professor, PhD, School of Rehabilitation Sciences, University of Ottawa. Past visiting professor (2014) at Dept. of Neuroscience and Pharmacology, UCPH. Project title: "The link between increased knee injuries, joint stability, and neuromuscular control". Funding: The Lundbeck Foundation, DKK: 245,958.00.

DEEPMCHANOKNEE, ERAPERMED2019-331: Rami Korhonen, University of Eastern Finland and Kuopio, University Hospital, Kuopio, Finland, Hanna Isaksson, Lund University, Lund, Sweden, Simo Saarakkala, University of Oulu and Oulu University, Hospital, Oulu, Finland.

## **Recent grants**

The Ministry of Culture Committee on Research [Kulturministeriets Forskningsudvalg] (FPK.2021-0038), "Knee Injury Prediction in Sports (KNIPS)", project maturation grant: 144.000 DKK (2021).

ERAPERMED2019-331 – DEEPMCHANOKNEE, co-applicant, grant: 985.457 EUR (2019).

LUNDBECKFONDEN (R283-2018-780) Travel grant: 10.000 DKK (2018).

The Danish Foundation for Entrepreneurship (V17-2018-09), "Rethinking Healthcare - Innovation as a powerful driver", teaching/course development, grant: 100.000 DKK (2018).

Copenhagen Healthtech Solutions (CHS) under EU Regional Development Fund & The Capital Region of Denmark (Region H), "Anvendelse af biofeedback og machine learning til forebyggelse af arbejdsrelateret muskuloskeletale skader", co-applicant, grant: 295.000 DKK (250.000 + 18% OH) DKK (2018).