

Curriculum vitae

PERSONAL INFORMATION

Name: Maria Tenje (née Nordström)

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• EDUCATION

- 2007 PhD Microtechnology
DTU Nanotech, Technical University of Denmark (DTU), Kgs. Lyngby, Denmark
Thesis title: “Integrated optical read-out for polymeric cantilever-based sensors”
Supervisor: Prof. Anja Boisen
- 2004 M.Sc. Physics
Dept. Physics, Lund University, Lund, Sweden
- 2002 B.Sc. (Hons.) Physics
Blackett Laboratory, Dept. Physics, Imperial College London, UK
Since 2002 Associate of the British Royal College of Science

• CURRENT POSITION

- Since 2013 Assistant Professor
Dept. Biomedical Engineering, Lund University, Lund, Sweden
Currently main supervisor of two PhD students and one MSc student.

• PREVIOUS POSITIONS

- 2012 – 2013 Researcher
Department of Measurement Technology, Lund University, Lund, Sweden
- 2011 – 2012 Project Leader
Solid State Physics & Max IV Laboratory, Lund University, Lund, Sweden
- 2008 – 2011 Assistant Professor
DTU Nanotech, Technical University of Denmark, Kgs. Lyngby, Denmark
- 2007 – 2008 PostDoc
DTU Nanotech, Technical University of Denmark, Kgs. Lyngby, Denmark

• FELLOWSHIPS AND AWARDS

- 2010 ‘For Women in Science’, National fellowship of L’Oréal-UNESCO, Denmark
- 2007 ‘Best PhD research work’, Technical University of Denmark
- 2006 3rd place in the business plan competition Venture Cup.
- 2004 ‘PhD scholarship’, Technical University of Denmark

In addition, my student L.M. Fischer, won the prize “Best Poster” in 2008 for our poster presented at the Int. workshop on Nanomechanical sensors.

• SUPERVISION OF GRADUATE STUDENTS

- Since 2014 Anna Fornell, PhD student (*main supervisor*)
Dept. Biomedical Engineering, Lund University, Sweden
“New approach in droplet microfluidics for single-cell analysis”
Collaboration with Royal Institute of Technology.
- Since 2014 Anette Trobäck, PhD student (*main supervisor*)
Dept. Biomedical Engineering, Lund University, Sweden
“Microsystem for blood-brain barrier nanotoxicology studies”
Collaboration with Copenhagen University.
- 2010 – 2013 Xueling Quan, PhD student (*co-supervisor*)
DTU Nanotech, Technical University of Denmark, Denmark
“Development of mechanical biosensor for metabolomics”
- 2007 – 2010 Lee M. Fischer, PhD student (*co-supervisor*)
DTU Nanotech, Technical University of Denmark, Denmark
“Development of cantilever sensors for ion detection”

- **TEACHING ACTIVITIES**

- Since 2013 Course responsible – ‘Introduction to lab-on-a-chip systems’, Lund University
Advanced course in undergraduate programme, teaching in English.
- 2009 – 2011 Course responsible – ‘Fabrication of micro and nanostructures’, DTU
Advanced course in undergraduate programme, teaching in Danish.
- Since 2009 Often invited guest lecturer on topics of microfabrication, biosensors and integrated acoustics to various undergraduate courses.

- **ORGANISATION OF SCIENTIFIC MEETINGS**

- 2008 Member of Organising Committee of the workshop *Int. Network for Young Scientists (INYS 2008)* with 25 participants. *In 2012 we published a joint book chapter, together with London Centre for Nanotechnology, as a direct result of the workshop.*
- 2007 – 2011 Invited Member of Scientific Steering Committee of the *Int. workshop on Nanomechanical sensors* organised annually, attracting ~100 researchers within the field.
- 2007 Co-Program Chair for *Micro and Nanoengineering (MNE 2007)* arranged in Copenhagen, Denmark with ~600 participants.
- Since 2007 Member of International Program Committee for *Micro and Nanoengineering*.
- 2006 Member of Local Organising Committee (co-ordinator of technical support) for *Int. workshop on Nanomechanical sensors* arranged in Copenhagen, Denmark with ~100 participants.

- **FUNDING (a selection of larger grants)**

- 2014-2018 Project funding, **PI**, Swedish Research Council, 3.3 MSEK
- 2013-2015 Project funding, **PI**, The Crafoord Foundation, 1.2 MSEK
- 2011-2012 Project funding, Co-applicant, Lundbeck Foundation, 3.2 MDKK
- 2009-2014 Project funding, Co-applicant, Villum Kann Rasmussen Foundation, 28 MDKK
- 2006-2011 Project funding, **PI**, Danish Research Council, 2.2 MDKK
- 2004-2007 Project funding, **PI**, Technical University of Denmark (PhD stipend), 2 MDKK

- **COMMISSIONS OF TRUST**

- Since 2014 Member of *The Young Academy of Sweden*
- 2014 PhD Examination board (deputy member) for Sepideh Gorji Ghalamestani, Lund University
- Since 2013 Examiner for three MSc students at Lund University and Technical University of Denmark
- 2007 – 2014 Associate Editor for *Journal of Sensors*, Hindawi Publishing Corporation
- Since 2005 Reviewer for several international journals, e.g. *Journal of Micromechanics and Microengineering*, Institute of Physics; *Langmuir*, American Chemical Society

- **MAJOR COLLABORATIONS**

- Since 2014 Dr. Birger Brodin, Dept. Pharmacy, Copenhagen University. Collaboration on development of miniaturised cell culture platform as an *in vitro* model of the blood-brain barrier.
- Since 2013 Prof. Helene Andersson-Svahn, School of Biotechnology, Royal Institute of Technology. We collaborate on combining droplet microfluidics and integrated acoustics.
- Since 2012 *BioBridges Strong Research Environment*, Work Package leader. The collaboration is focused on developing novel portable fully integrated systems for rapid diagnostic for veterinary clinical applications and involves eight research groups at five different Swedish research institutions.
- 2009 – 2011 *NAMEC Centre of Excellence*, Work Packages leader. The collaboration was focused on developing novel micromechanical sensors and involved six research groups at two different Danish research institutions.

- **CAREER BREAKS**

- Dec 2010 – Nov 2011 100% parental leave with my son Viktor, born January 2011
- Nov 2007 – Sept 2008 100% parental leave with my son Axel, born January 2000