

Curriculum Vitae

Name	Mikkel Fougth Hansen
Citizenship	Danish
Date of birth	May 15, 1971
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Employment	
Feb. 2002-	Associate Professor, <i>DTU Nanotech - Department of Micro and Nanotechnology</i>
1999-2001	Postdoctoral fellow, <i>University of California, San Diego; Center for Magnetic Recording Research</i> . First year funded by the Danish Natural Science Research Council.
1998-1999	Postdoctoral fellow, <i>DTU Physics & Uppsala University</i> . Funded by DTU.
Education	
1995-1998	Ph.D. in physics, <i>DTU Physics</i> , Ph.D. grant funded by the Danish National Research Council
1990-1995	M.Sc. in Physics with minor in Mathematics, <i>University of Copenhagen</i>
Qualifications	More than 15 years of research in magnetism. 10 years as group leader of the 'Magnetic Systems' group at DTU Nanotech. Extended experience with: (1) fabrication and use of microfluidic systems in Silicon and polymers, (2) magnetic separation and detection using magnetic beads, (3) magnetic sensor technology, (4) on-chip thermal control, (5) on-chip biodetection.
Key research topics	Bioseparation and detection in lab-on-a-chip systems. Magnetic biosensor systems. My research aims at employing magnetic methods to form simple and highly integrated lab-on-a-chip systems. Sample extraction/preparation techniques involving the capture of the target sample on magnetic beads as well as the active manipulation of the beads, which are also central for the present application, are of key importance in my ongoing research (two of my PhD students are working on this) and future research.
Management experience	<i>Cumulative past and present external grants: ~16.5 mio DKK.</i> <i>Past projects:</i> Responsible for two instrument grants, one FTP project. Partner in EU STREP project. <i>Present projects:</i> Partner in 'PolyNano' (www.polynano.org) project funded by the Danish Council for Strategic Research. Partner in the 'CiPoC' (Center for integrated Point of Care, www.cipoc.dk) project funded by The Danish Council for Technology and Innovation (RTI). Partner in EU FP7 project 'NanoMag'. <i>Current supervision:</i> 3 PhD students, 3 Postdocs <i>Past supervision:</i> 4 postdocs, 6 PhD students, 7 MSc students, 11 BSc students
Publications	<i>Publications</i> (Nov 2014): 109 peer-reviewed, other: 11 (3 book chapters) <i>Detailed list of publications and citation data:</i> http://www.researcherid.com/rid/A-3024-2012 <i>Total citations</i> (Nov 2014): 2501 (27.18 per ISI registered article) <i>Hirsch(H)-index</i> (Nov 2014): 24