

# Curriculum Vitae

## Andreas Fhager

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**Date of Birth:** 24 May, 1976  
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### Areas of competence and research

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My research career is focused towards development of novel medical diagnostic systems based on microwave technology. Examples of application areas are stroke diagnostics, breast cancer detection, diagnostics of pneumothorax. I have vast experience from image reconstruction algorithms, signal processing, antennas and measurement systems design. I have co-funded Medfield Diagnostics AB as a spin-off company from my research work.

### Education

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2011 Associate Professor Biomedical Electromagnetics (Docent level), Chalmers, Sweden.  
2006 Ph.D, in electrical engineering, Thesis: Microwave Tomography, Chalmers, Sweden  
2001 Master of Science in Engineering Physics, Chalmers, Sweden.

### Positions

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2016 - Head of Research, Medfield Diagnostics AB, Göteborg (part-time)  
2014 - Associate Professor, Head of Biomedical Electromagnetics Group, Chalmers, Sweden  
2011 - 2013 Associate Professor position and Research group leader, Chalmers, Sweden  
2007 - 2011 Assistant Professor, Chalmers, Sweden  
2006 Research position, Chalmers, Sweden  
2006 CTO in spin-of company Medfield Diagnostics AB, Göteborg  
2001 - 2006 Ph.D. student position, Chalmers  
2000 Assistant in the group for non-linear optics, Chalmers

### Relevant scientific commissions

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2015 External examiner of Doctoral Dissertation by Emily Elizabeth Porter, "Microwave time-domain radar for monitoring breast health: development and testing of an early prototype," McGill University, Canada.  
2014 - Member of Steering Committee for Bachelor Program Engineering Mathematics and Computer Science, Chalmers,  
2013 - Swedish representative in Management Committee and Leader of Work Group 3 (Establishment and management of the clinical trials of microwave imaging prototypes) of COST action TD1301: *Development of a European-based Collaborative Network to Accelerate Technological, Clinical and Commercialisation Progress in the Area of Medical Microwave Imaging.*

### Publications

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Approx. 30 publications in peer reviewed journals and approx. 100 abstracts and conference publications. Co-inventor of 4 granted patents. According to Google scholar 687 citations and h-index=13

### Supervision

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2015 - Samar Hosseinzadegan, PhD Student, co-supervisor  
2015 - Tomas Rydholm, PhD Student, co-supervisor  
2015 Birgitta Wäppling Raaholt, PhD degree, Supervisor, Thesis: Applications of microwave heating of foods  
2008 - 2013 Xuezhi Zeng, PhD degree, Co-supervisor, Thesis: Time Domain Systems for Microwave Imaging: Accuracy Evaluations and Prototype Design  
2011 - 2013 Stefan Candefjord, Postdoc, Co-supervisor  
2010 - 2012 Tonny Rubæk, Postdoc, Co-supervisor  
2005 - 2010 Hana Dobsicek Trefna, PhD degree, Co-supervisor, Thesis: Advances in Microwave Hyperthermia  
2004 - Supervisor and/or examiner of approximately 35 master and bachelor thesis students.

### Others

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2005 Co-founder of the company Medfield Diagnostics AB. Medfield is listed on the stock market, "Aktietorget"