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### Selected Publications 2006

Network for Biomedical Applications of High-field MR: **Training, Education, Science, Lectures, Applications**
(www.med.lu/TESLA)

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**Selected Publications 2007**


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TESLA Seminars 2006 - 2007


TESLA seminar Nov 23 2006 15.00 – 16.00: fMRI in cognitive research: Prof. Martin Ingvar, Stockholm

TESLA seminar March 7 2007 16.00 – 17.00: Clinical fMRI - basics, protocols and applications: Professor Christoph Stippich, Heidelberg, Tyskland

TESLA seminar May 16 2007 10.00 - 11.00: Engineered antibodies for ImmunoPET: Professor Anna Wu, UCLA, USA

TESLA seminar September 20 2007 13.30 - 14.30: Advances in functional and biochemical neuroimaging: Assoc. Prof. Stefan Posse, Detroit, USA

TESLA seminar December 12 2007 16.00 – 17.00: Arterial Spin Labeling – new techniques and applications: Esben Petersen, PhD; Singapore.
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**TESLA Seminars 2008**

**TESLA seminar February 26 2008 11.00 – 12.00:**

Positron and PET-MR Imaging using Silicon Photomultiplier detector technology  
Magnus Dahlbom, Prof., UCLA, USA

**TESLA seminar April 16 2008 15.00 – 16.00**

Nanoparticles as novel tools for combined imaging and biomolecule delivery  
Sarah Fredriksson, CEO Genovis, Lund, Sweden

**TESLA seminar September 5 2008 09.00 – 10.00**

Small animal imaging at a preclinical setting - experiences from UCLA.  
David Stout, Co-director, Small Animal Imaging Shared Resource  
UCLA, USA

**TESLA seminar November 26 2008 14.00 – 15.00**

Designing radiolabelling strategies of proteins and peptides: How radiochemistry can improve radionuclide imaging and therapy  
Vladimir Tolmachev, guest researcher, Uppsala University

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TESLA Courses and Workshops 2006-2008

*TESLA group kick-off meeting Aug 24, 2006
61 registered participants, key lecturer: Prof. Michael Moseley, Stanford University, USA

*Functional MRI (fMRI) for beginners: Course for researchers at LU/USiL/UMAS
November 21-23. 22 registered participants (Overbooking by 10%)

*National Research course in MRI/MRS/NMR for physicists/engineers
Lund/Stockholm September-07 – March-08
7.5 ECTS Credits, 30 participants (fully booked)

*Planned for Spring 2009:
*TESLA group members are co-planning the following symposium:
Tissue Structure and Function - Processing and Analysis Tools for MultiDimensional Medical Images
Two-day seminar 29th to 30th of January 2009
Home page: http://www.radfys.lu.se/shybergs/index.html

*2-day national workshop on ultra-high-field MRI
March 25-26 2008 with invited speaker (Prof. David Norris) and participation from all Swedish universities performing MRI research.
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**Examples of activities 2006-2008**


*Participation in Philips 1st 7T user meeting, Cleveland, June 2005

*Site visits at Siemens, Erlangen/Siemens 7T site, Magdeburg, Oct 2005

*Site visit at GE 7T site under preparation, Stanford University, Oct 2005

*Site visit and research collaboration at CIBM, Ecole Polytechn. Feder. de Lausanne (EPFL), Feb 2006; Nov 2006 and several research visits 2007-2008

*Participation in FP7 Application High-field MRI including Site visit at Neurospin, Orsay, France, Paris Jan 29-30 2007

*Participation at RSNA, Chicago November 2007 and 2008

*Participation in ISMRM workshop on High-field MRI (7T+), Rome September 2008

*Site visit at Philips 7T site, ETH, Zurich, Switzerland October 2008
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**Collaborative partners for preclinical and human ultra-high-field MRI, established 2006-2008:**

- **Prof. Larry Wald, MGH, Boston, USA** (RF/Coil construction)
- **Prof. Mike Moseley, Stanford, USA** (Diffusion, DTI, general 7T)
- **Prof. Oliver Speck Magdeburg, Germany** (Diffusion, DTI post-mortem)
- **Prof. David Norris, Nijmegen, the Netherlands** (BOLD/DSC)
- **Prof. Ewald Moser, Vienna, Austria** (Diffusion, DTI post-mortem)
- **Prof. Rolf Gruetter, EPFL, Lausanne, Geneva** (preclinical hyperpolarized MRI)
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### Selected Activites 2006-2008

- **Meeting with the advisory board of the Lund Bioimaging Project** December 11-13 2006

- **KAW application for Lund University Bioimaging Center** Submitted June 2007, 40 MSeK granted March 2008

- **Decision on 3 months salary support for Vladimir Denisov, PhD, spring 2008**

  **Project:**
  Development of imaging methodologies for experimental studies in small animals, specifically high-field MRI. Applications within the field of Parkinson’s disease research.

- **VR/KFI application for hyperpolarizing equipment for Lund University Bioimaging Center** Submitted April 2008, granted November 2008

- **VR application for PhD student in MR/PET technology, primarily contrast agent development.** Submitted April 2008, granted November 2008.

- **Formal establishment of Lund University Bioimaging Center** as a core facility within the medical faculty, September 2008