

Agenda

09:15 Accreditation and Welcome Coffee

10:00 Welcome

Prof. Dr. Harald H. Quick
Managing Director Erwin L. Hahn Institute
Prof. Dr. Ulrich Radtke
President University of Duisburg-Essen
Prof. Dr. Gerard J. M. Meijer
President Radboud University Nijmegen

10:20 Irene Tracey

Imaging Pain, Analgesia and Anaesthesia induced
Altered States of Consciousness

10:50 Ray Dolan

The Neuroscience of Social Interactions

11:20 Coffee Break

11:50 Andrew Maudsley

Future Potential of Whole-Brain MR Spectroscopic
Imaging

12:20 Poster Session

13:00 Lunch

14:00 Contribution Erwin L. Hahn

14:20 ELH Award

14:30 Franz Schmitt

A Brief History of High Field MRI and its
Consequences

15:00 Jürgen Reichenbach

Susceptibility Based Imaging and Mapping

15:30 Coffee Break

16:00 Lawrence Wald

Technology for Ultra-High Field Brain MRI

16:30 Mark Ladd

Does Body Imaging at Ultra-High Field Make
Sense?

17:00 Drinks



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Open-Minded

INGENIEUR
WISSENSCHAFTEN



Radboud University Nijmegen



Donders Institute
for Brain, Cognition and Behaviour



Radboudumc

Invitation

to the

10th Anniversary

of the

Erwin L. Hahn Lecture

on

October 5th, 2016

Invitation

We cordially invite you to celebrate the 10th anniversary of the Erwin L. Hahn Institute and participate at the 10th Erwin L. Hahn Lecture. This year we invited 7 leading experts in the field of MRI to give the main talks.

The main research areas of these keynote speakers cover a wide range of different ultra-high field research fields - from cognitive neurosciences over clinical applications to MR technique and hardware development. The lectures will present insights into the history and in particular into future potentials of ultra-high field MR.

Additionally, a poster session is organized where the latest research activities and results of ELH-associated ultra-high field MR research groups will be presented.

You are warmly invited to attend this memorable meeting on October, 5th.

The event begins at 10:00 a.m. in the Coal Mine of the World Heritage Zollverein:

Erich-Brost-Pavillon (Kohlenwäsche)
Shaft XII, Building A14
Fritz-Schupp-Allee 14, D-45309 Essen
Germany

Sincerely yours

Ulrike Bingel, ELH PI
Matthias Brand, ELH PI, Director
Mark E. Ladd, ELH PI
David G. Norris, ELH PI, Director
Harald H. Quick, ELH PI, Managing Director
Tom W. J. Scheenen, ELH PI
Dagmar Timmann-Braun, associated ELH PI

Registration Information

Participation is free
Please register under www.hahn-institute.de
Deadline for registration is September, 26th 2016



Prof. Dr. Ray Dolan

Mary Kinross Professor of Neuropsychiatry and Director of the UCL-Max Planck Centre for Computational Psychiatry and Ageing

Visiting Einstein Fellow to the Humboldt University, Berlin in 2011, Fellow of the Royal Society 2010, International Max Planck Research Award 2007, Golden Brain Award from the Minerva Foundation 2006, honoured with the Alexander Von Humboldt Research Award 2004, Elected Fellow of the Academy of Medical Sciences 2000.

Research: Neurobiology of emotion and how emotion impacts on cognition, including decision making.



Prof. Dr. Mark E. Ladd

Head of Division of Medical Physics in Radiology, German Cancer Research Center Heidelberg and PI at Erwin L. Hahn Institute

Founding director of the Erwin L. Hahn Institute, received an Advanced Grant of the European Research Council (ERC) in 2012, Deputy Editor of Magnetic Resonance in Medicine since 2012.

Research: Whole-body imaging at 7T including RF manipulation strategies using parallel transmission, numerical simulation and implant safety, development of a 32-channel parallel transmission system, quality assurance standards for ultra-high-field imaging.



Prof. Andrew Maudsley, PhD

Professor of Radiology, University of Miami, and director of MRI research

Received the Helmholtz International Fellow Award 2013, Deputy Editor of Magnetic Resonance in Medicine, Gold Medal Award of the ISMRM 2005, Fellow of the ISMRM 1999.

Research: MR spectroscopy and MRI technique development, and their application to clinical diagnostic imaging.



Prof. Dr. Jürgen R. Reichenbach

Head of the Medical Physics Group, Dept. of Diagnostic and Interventional Radiology, University Hospital Jena

President of the DGMP in 2015/2016, Fellow of the ISMRM since 2012, received Research and Education Seed Grant Award of RSNA 1997, ECR Research & Education Fund: Nycomed Amersham Research Fellowship Grant in 2002, Walter Friedrich-Preis of DRG 2002.

Research: Development of new methods for fast and high resolution MRI acquisition, diffusion Tensor Imaging, in vivo MR spectroscopy, susceptibility Weighted Imaging.



Franz Schmitt

Formerly Siemens Healthcare, now retired

Chair of the 'High Field Systems & Applications' study group of the ISMRM, was responsible for the development of the Ultra-High Field market and its systems, global MR collaboration, development and manufacturing of gradients at Siemens Healthcare, received the 'top+ Siemens Innovator award' for bringing up the UHF business.

Research: Development of methods for fast MR Imaging, in particular development of gradient systems, i.e. coils, amplifiers and its related components. Pushing & disseminating pTX into the MR research world.



Prof. Irene Tracey, PhD

Head-elect of the Nuffield Department of Clinical Neurosciences & Associate Head Medical School, University of Oxford

Co-Founder and Director Oxford FMRI Centre (2005-2015), Fellow of the Academy of Medical Sciences since 2015, Elected Councillor to the International Association for the Study of Pain until 2014, Fellow of the Royal College of Anaesthetists since 2009, Received the Triennial Patrick Wall Medal from the Royal College of Anaesthetists in 2008.

Research: Imaging the generation and modulation of painful experiences by the human central nervous system, imaging analgesic mechanisms and anaesthesia induced altered states of consciousness.



Prof. Lawrence Wald, PhD

Professor of Radiology at Harvard Medical School and Director of the MGH Imaging Core Facility at Martinos Center

Received his PhD under the direction of Erwin L. Hahn, member of the College of Fellows of the American Institute of Medical and Biological Engineers (AIMBE) 2012, Fellow (2012) and former Board member of the ISMRM, Sara and Charles Fabrikant MGH Research Scholar 2015.

Research: Hardware and software methods development for improved MRI of the living human brain.