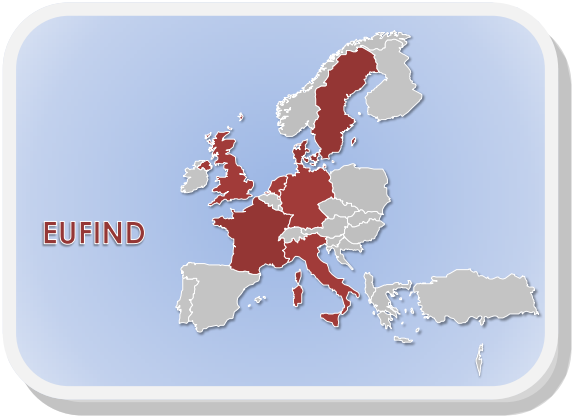
JPND research
EU Joint Programme – Neurodegenerative Disease Research

EUFIND

European Ultrahigh-Field Imaging Network in Neurodegenerative Diseases

For clinical and scientific brain imaging in dementia, magnetic resonance imaging (MRI) at a magnetic field strength of 3 Tesla is the most widely used imaging modality. In Europe, some research sites have more advanced scanners available that allow for more precise brain imaging due to their ultra-high field strength of 7 Tesla. This new imaging technology holds the promise of considerably improving clinical and basic research in dementias. The goal of the EUFIND working group is to identify those areas where 7 Tesla imaging can improve clinical assessment and our understanding of how dementias impact brain structure and function.

Within EUFIND, representatives of twenty 7 Tesla sites across Europe, including leading MRI and dementia experts, have agreed to join forces and identify opportunities and challenges of 7T MRI with the goal of drawing a roadmap for implementing and reporting harmonised ultrahigh-field MRI in dementia. The major clinical focus of EUFIND is Alzheimer's Disease (AD) but with experts in Parkinson's Disease (PD) in the working group we will have the opportunity to optimise and harmonise across these two most common neurodegenerative disorders (as well as discussing extensions to other neurodegenerative diseases).



Coordinator: Emrah Düzel
E: emrah.duezel@dzne.de
T: +49 391-67 25050

Oliver Speck
E: oliver.speck@ovgu.de
T: +49 391-6117-113

Working Group Members:

COORDINATOR I EMRAH DUZEL

COORDINATOR I OLIVER SPECK

A. Løkkegaard, Hvidovre Hospital, University of Copenhagen, Danish Research Centre for Magnetic Resonance, Denmark
Esben Thade Petersen, Hvidovre Hospital, University of Copenhagen, Danish Research Centre for Magnetic Resonance, Denmark
Hartwig Siebner, Hvidovre Hospital, University of Copenhagen, Danish Research Centre for Magnetic Resonance, Denmark
Richard Wise, School of Psychology, Copenhagen, Denmark

Anne Bertrand, ICM, Paris, France
Hugues Chabriat, University Hospital Lariboisière, Paris, France
Marie Chupin, ICM, Paris, France
Olivier Colliot, University Salpêtrière Hospital, Paris, France
François De Guio, University Hospital Lariboisière, Paris, France
Bruno Dubois, University Salpêtrière Hospital, Paris, France
Stéphane Epelbaum, University Salpêtrière Hospital, Paris, France
Eric Jouvent, University Hospital Lariboisière, Paris, France
Alexandre Vignaud, Neurospin, Saclay/Paris, France

Cornelius Deuschl, University Hospital Essen, Germany
Martin Dichgans, Institut für Schlaganfall- und Demenzforschung, University of Munich, Germany
Emrah Duzel, German Center for Neurodegenerative Diseases, University of Magdeburg, Germany
Agnes Floel, Charite Neurology, Berlin, Germany
Bernd Ittermann, Physikalisch-Technische Bundesanstalt (PTB), Berlin, Germany
Frank Jessen, University of Cologne, Germany
Oliver Kraff, Erwin Hahn Institut, Radiologie Universitätsklinik, Essen, Germany
Mark Ladd, DKFZ, Heidelberg, Germany
Martin Lauer, Schwerpunkt Gerontopsychiatrie, Würzburg, Germany
Ulrike Lüken, Schwerpunkt Gerontopsychiatrie, Würzburg, Germany
Armin Nagel, Radiologie Universitätsklinik Erlangen, Germany
Peter Nestor, German Center for Neurodegenerative Diseases, University of Magdeburg, Germany
Thoralf Niendorf, Berlin Ultrahigh Field Facility, Max Delbrück Center for Molecular Medicine, Berlin, Germany
Oliver Peters, Charite Psychiatry, Berlin, Germany
Kerrin Pine, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
Harald Quick, University Hospital Essen, Germany
Laura Schreiber, Deutsches Zentrum für Herzinsuffizienz, Würzburg, Germany
Matthias Schroeter, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
Florian Schuber, Charite Neurology, Berlin, Germany
Oliver Speck, University of Magdeburg, Germany
Tony Stoeker, German Center for Neurodegenerative Diseases, Bonn, Germany
Philipp Thomann, Klinik für Allgemeine Psychiatrie, Universitätsklinikum Heidelberg, Germany
Michael Uder, Radiologie Universitätsklinik Erlangen, Germany
Arno Villringer, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
Christian Weimar, University Hospital Essen, Germany
Nikolaus Weiskopf, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany

Mirco Cosottini, University of Pisa, Italy
Mauro Costagli, Stella Maris Research Institute, Pisa, Italy
Graziella Donatelli, University of Pisa, Italy
Michela Tosetti, Medical Physics and MR Biotechnology Lab, Pisa, Italy

Geert Jan Biessels, Brain Center Rudolf Magnus, University Medical Center Utrecht, the Netherlands
Mark van Buchem, Leiden University Medical Center, the Netherlands
Jeroen Hendrikse, Brain Center Rudolf Magnus, University Medical Center Utrecht, the Netherlands
Itamar Ronen, Leiden University Medical Center, the Netherlands
Yasin Temel, Maastricht University Medical Center, the Netherlands
Betty Tijms, Alzheimer Center VUMC, Amsterdam, the Netherlands
Kâmil Uludağ, University of Maastricht, the Netherlands
Andrew Webb, C.J. Gorter Center for High Field MRI, Leiden, the Netherlands
Jaco Zwanenburg, Brain Center Rudolf Magnus, University Medical Center Utrecht, the Netherlands

Oskar Hansson, Lund University Bioimaging Center, Sweden
Lars Nyberg, Umea Center for Functional Imaging, Lund, Sweden
Greger Orädd, Umea Center for Functional Imaging, Lund, Sweden
Eric Westman, Lund University Bioimaging Center, Sweden
Bengt Winblad, Karolinska Institutet, Lund, Sweden

Julio Acosta-Cabronero, Wellcome Trust Centre for Neuroimaging, UCL, London, UK
Nin Bajaj, Nottingham University Hospital, UK
Richard Bowtell, Sir Peter Mansfield Imaging Centre, Nottingham, UK
Dennis Chan, University of Cambridge, UK
Stuart Clare, University of Oxford, UK
Gwenaëlle Douaud, University of Oxford, UK
Jozien Goense, University of Glasgow, Scotland School of Psychology, UK
Penny Gowland, Sir Peter Mansfield Imaging Centre, Nottingham, UK
Heidi Johanssen-Berg, FMRIB Centre, Oxford, UK
Clare Mackay, University of Oxford, UK
James Rowe, University of Cambridge, UK