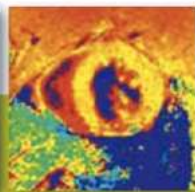
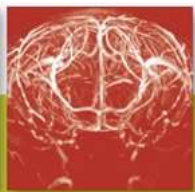


B.U.F.F. Berlin
Ultra-high Field
Facility

15th Annual Scientific Symposium

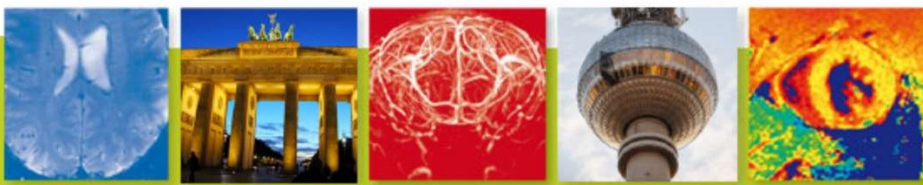
**Friday,
September 13th 2024**
Max Delbrück Center
Berlin, Germany

ULTRAHIGH FIELD MAGNETIC RESONANCE: Clinical Needs, Research Promises and Technical Solutions



Local organizers:

Thoralf Niendorf (MDC), Lucio Frydman (WIS), Sonia Waiczies (MDC), Michal Neeman (WIS), Christoph Lippert (HPI),
Min-Chi Ku (MDC), Jeanette Schulz-Menger (Charité), Sebastian Schmitter (PTB)

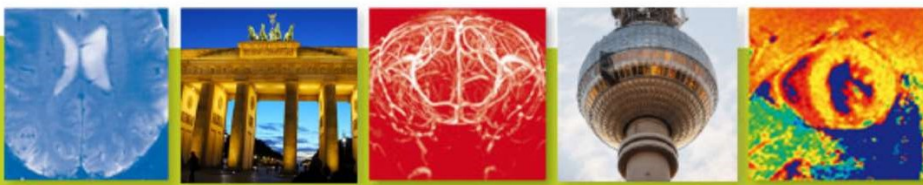


Our annual series of **UHF MR symposia** will enter its **15th round in 2024** and is tailored to attract basic scientists, engineers, hardware professionals, translational researchers, clinical scientists, applied scientists and clinicians with all levels of experience and expertise ranging from undergraduate and graduate students interested in imaging to trainees, advanced users and applications experts.



Gathering of participants of our UHF MR symposium on the MDC campus in front of the venue, the MDC's communication center

Our series of UHF-MR symposia is a recognized **international leader and trendsetter in the field of (bio)medical and diagnostic imaging**. The symposium and its scientific program respond to the great need for a European conference series on ultrahigh field MR. We are very much honored to present extraordinary speakers including MR technology leaders, data science and AI specialists and distinguished clinical experts - all bridging disciplinary boundaries, ample opportunity for discussion and exchange on how such efforts can lead to valuable results. The symposium provides unique opportunities to initiate local, regional, national and international collaboration and last but not least offers plenty of opportunities to engage into fruitful exchange with peers, colleagues and clients.

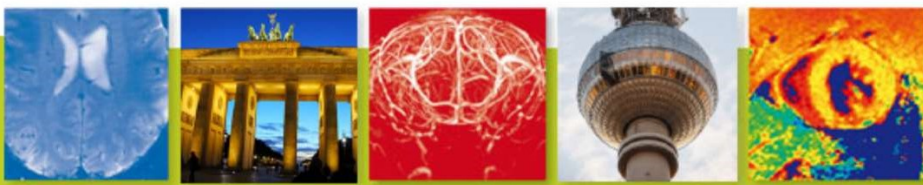


The **15th Annual Symposium on Ultrahigh Field Magnetic Resonance** is designed to storm the brain for novel MRI technology and applications with the ultimate goal to stimulate the imaging and data science communities to throw further weight behind the solution of unsolved problems and unmet clinical needs.

The scientific program comprises **4 sessions**, all balancing technical developments of MRI, clinical applications and hot topics related to the synergies between imaging and data science including artificial intelligence:

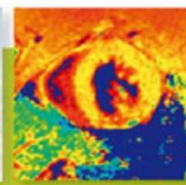
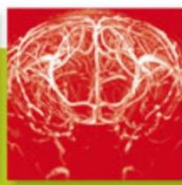
- **GETTING TO THE MATTER OF THE HEART: CLINICAL NEEDS AND RESEARCH PROMISES OF CARDIOVASCULAR AND BODY UHF-MR**
- **GETTING TO THE MATTER OF THE BRAIN: CLINICAL NEEDS AND RESEARCH PROMISES FOR NEUROVASCULAR UHF-MR AND RELATED FIELDS**
- **TRANSLATIONAL RESEARCH: FROM BLUE SKY EXPLORATIONS EN ROUTE TO CLINICAL APPLICATIONS**
- **LOOKING AT THE HORIZON**

We are looking forward to very warm welcome you to our symposium.
Be Berlin.

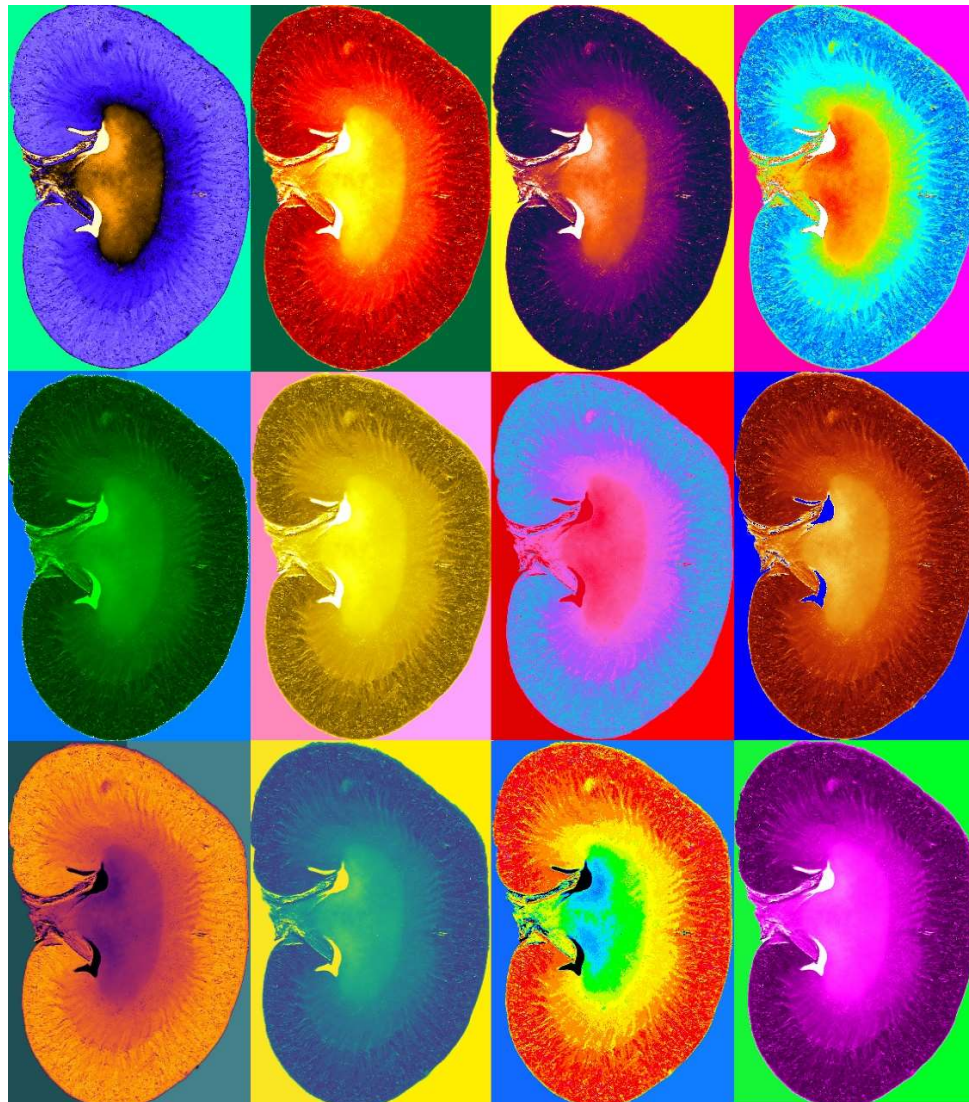
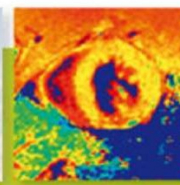
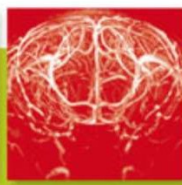


List of provisional speakers

Christoph Aigner, German Metrology Institute, Berlin, Germany; **Hyla Allouche-Arnon**, Weizmann Institute of Science, Rehovot, Israel; **Lucio Frydman**, Weizmann Institute of Science, Rehovot, Israel; **Celine Baligand**, Molecular Imaging Research Center, CEA, Paris, France; **Thomas Fuchs**, Hasso Plattner Institute for Digital Health at Mount Sinai, New York, USA; **Robin Heidemann**, Siemens, Erlangen, Germany; **Bernd Ittermann**, PTB, Berlin, Germany; **Shannon Helsper**, Department of Imaging & Pathology, KU Leuven University, Belgium; **Min-Chi Ku**, Max Delbrück Center for Molecular Medicine, Berlin, Germany; **Christoph Lippert**, Hasso Plattner Institute, University of Potsdam, Potsdam, Germany; **Celine Louapre**, Sorbonne University, Pitié-Salpêtrière Hospital, Paris, France; **Jason Millward**, Max-Delbrück Center for Molecular Medicine, Berlin, Germany; **Michal Neeman**, Weizmann Institute of Science, Rehovot Israel; **Thoralf Niendorf**, Max Delbrück Center for Molecular Medicine and Charité, Berlin, Germany; **Bilguun Nurzed**, Max Delbrück Center for Molecular Medicine, Berlin, Germany; **Hélène Ratiney**, CREATIS, Université de Lyon, France; **Julia Sacher**, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany;



Kamil Ugurbil, University of Minnesota, Minneapolis, USA; **Rita Schmidt**, Weizmann Institute of Science, Rehovot, Israel; **Sebastian Schmitter**, PTB, Berlin, Germany; **Jeanette Schulz-Menger**, Charité, Berlin, Germany; **Sonia Waiczies**, Max Delbrück Center for Molecular Medicine, Berlin, Germany; **Philipp Selenko**, Weizmann Institute of Science, Rehovot, Israel; **Assaf Tal**, Weizmann Institute of Science, Rehovot, Israel; **Tim Wokrina**, Bruker Biospin MRI GmbH, Ettlingen, Germany



Inspired by Andy Warhol – a compilation of MRI images of the kidney.

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at the MDC