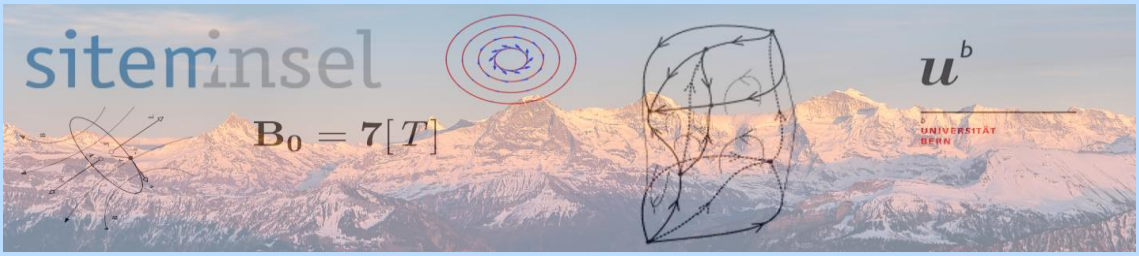


Translational Symposium on Ultra-High-Field MRI: Bern June, 23rd 2018

MR-Basics, Promise and Challenges for Clinical Applications

Symposium Venue: Langhans Auditorium, Inselspital,
Freiburgstrasse 8,
CH-3010 Bern
Pathologisches Institut H 128,
Eingang 43 A.
(https://www.insel.ch/de/situationsplan/)

Scientific Program

9.00 – 10.30 Basics of UHF MRI
[(Chair: R. Kreis, A. Federspiel (Bern, CH)]

9.00 – 9.45: Mark Ladd (Heidelberg):
Physics and hardware of MR at UHF: promise, challenges and solutions
9.45 – 10.30: David Norris (Nijmegen):
Techniques for MR at UHF: promise, challenges and solutions

10:30 – 11:00 Coffee Break

11:00 – 12:30: UHF and Radiology
[(Chair: H. von Tengg, R. Wiest (Bern, CH)]

11:00 – 11:45: Gregory Metzger, (Minnesota):
The potential of high field MRI in oncology
11:45 – 12:30: Dorothee Auer (Nottingham):
UHF-MRI in neuroimaging

12:30 – 13:30 Lunch Break

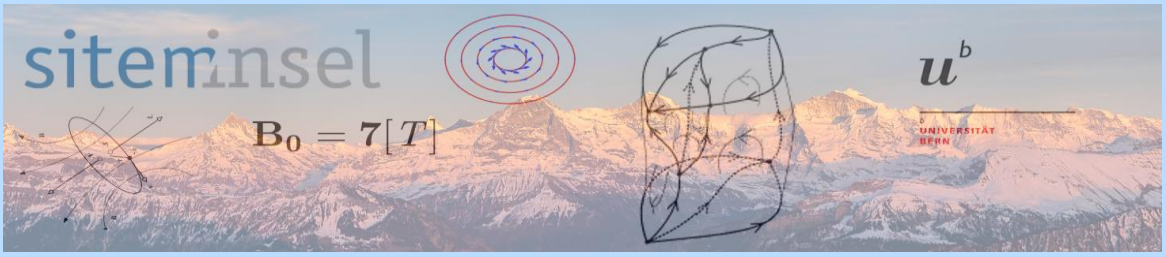
13:30 – 15:00 UHF and Neuroscience
[(Chair: K. Henke, T. Dierks (Bern, CH)]

13:30 – 14:15: TBA.:
UHF in psychology
14:15 –15:00: Rupert Lanzenberger (Vienna):
UHF functional MRI and MRS in psychiatry: challenges and opportunities

15:00 – 15:30 Coffee Break

15:30 – 17:00 Specific clinical applications of UHF
[(Chair: N.N. (Bern, CH)]

15:30 – 16:15: Siegfried Trattnig (Vienna):
UHF MRI and orthopedics
16:15 – 17:00 Jeanette Schulz-Menger (Berlin):
UFH MRI and cardiology



Registration: by email before June 15th, 2018 to M. Pastore-Wapp
manuela.pastore-wapp@insel.ch

Symposium Fee CHF 50.- on site payment
(free entrance for students)

Local Organization

Institute of Diagnostic and Interventional Neuroradiology,
(Jan Gralla: jan.gralla@insel.ch)
Support Center for Advanced Neuroimaging (SCAN),
(Roland Wiest: roland.wiest@insel.ch)
Institute of Diagnostic, Interventional and Pediatric Radiology,
(Hendrik von Tengg: hendrik.vontengg@insel.ch)
Magnetic Resonance -Spectroscopy and -Methodology,
(Roland Kreis: roland.kreis@insel.ch)
Division of Experimental Psychology and Neuropsychology,
(Katharina Henke: henke@psy.unibe.ch)
University Hospital of Psychiatry and Psychotherapy,
(Andrea Federspiel: andrea.federspiel@upd.unibe.ch)

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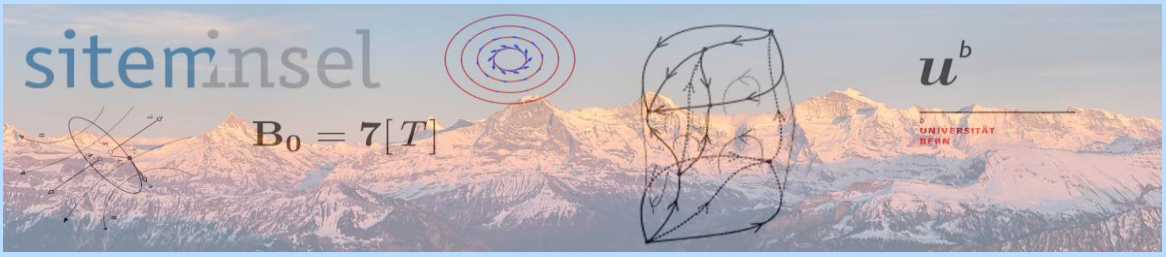

Welcome message and symposium scope

Welcome to Bern, welcome to the Translational Symposium on Ultra-High-Field MRI.

In Bern, we are currently setting up the new Swiss Institute for Translational and Entrepreneurial Medicine (sitem-insel), which has the aim of establishing, operating and developing a National Center of Excellence for Translational Medicine and Entrepreneurship. Within this institute, a novel translational imaging center will be established as a so-called enabling facility that will include a clinical whole body 7 Tesla Magnetic Resonance scanner. Its inauguration is planned for the first half of 2019 and, in this context, it is opportune to have world-leading experts present the background, the current state-of-the-art, as well as potentials and challenges of ultra-high-field (UHF) MR for clinical research and clinical applications. The presentations will include a session covering an introduction into the physics and inherent benefits of ultra-high fields for MRI, as well as adapted methods to fully exploit its potential. Further sessions will encompass the current applications and promise of UHF MR in Radiology, but also in other fields, including the Neurosciences, Oncology, Cardiology, as well as Orthopedics. The renowned speakers will be available for questions in ample discussion time, but also for 1:1 inquiries in the breaks. We welcome participation of anybody interested in the prospects of clinical UHF MR in general and for sitem-insel, in particular.