

## State-of-the-Art in Magnetic Resonance:

## Methods and Clinical Applications

International Lecture Series organized by the Translational Imaging Center @ sitem-insel in Bern on recent progress and current applications of MR imaging and spectroscopy at standard and ultrahigh fields

*The lectures are aimed at clinicians and basic & medical scientists interested in the latest development of MRI and its clinical applications, including the potential of ultrahigh fields. Talks are given in English.*

## Program 2025

|          |       |                                                 |                                                                                                       |
|----------|-------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 15.01.25 | 16.00 | <b>Dr. F. Santini</b><br>Basel, CH              | <a href="#">Spins and Twitches: Reproducible MR Imaging of the Skeletal Muscle</a>                    |
| 19.02.25 | 16.00 | <b>Dr. F. Branzoli</b><br>Paris, FR             | <a href="#">Noninvasive Brain Tumor Subtyping And Follow-up By In Vivo MR Spectroscopy</a>            |
| 19.03.25 | 16.00 | <b>Prof. I. Jelescu</b><br>Lausanne, CH         | <a href="#">Novel diffusion MRI approaches to map brain microstructure and activity</a>               |
| 16.04.25 | 16.00 | <b>Prof. M. Cercignani</b><br>Cardiff, U.K.     | <a href="#">Imaging Inflammation: Investigating the Impact of Systemic Inflammation on the Brain</a>  |
| 28.05.25 | 16.00 | <b>Prof. D. Karampinos</b><br>Lausanne, CH      | <a href="#">Towards robust quantitative magnetic resonance imaging of the abdomen</a>                 |
| 25.06.25 | 16.00 | <b>Prof. S. Kozerke</b><br>Zurich, CH           | <a href="#">Cardiac Magnetic Resonance - From Spins to Pictures to Digital Organs and back</a>        |
| 10.09.25 | 16.00 | <b>Prof. A. Henning</b><br>Dallas, U.S.A.       | <a href="#">Engineering solutions towards robust, ultra-high field Structural &amp; Metabolic MRI</a> |
| 24.09.25 | 16.00 | <b>Prof. Maxim Zaitsev</b><br>Freiburg, Germany | <a href="#">Open source MRI: Pulseq, patents, and collaboration strategies</a>                        |
| 24.09.25 | 16.45 | <b>Prof. R. Nunes</b><br>Lisbon, Portugal       | <a href="#">Open-MOLLI: unlocking cardiac MR T1-mapping with Pulseq</a>                               |

**Currently partly foreseen as in-person meetings at sitem-insel (please check event link) and always virtually at** <https://unibe-ch.zoom.us/j/66256483922?pwd=aE1kTFg5aUZza1JmWEJxZDVsdnV5dz09>.

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