

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

Cardiac MR Imaging in One Click

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Cardiac magnetic resonance imaging (MRI) is a non-invasive diagnostic modality that provides comprehensive and accurate characterization of the heart. This makes it an invaluable tool for the diagnosis and management of a broad range of cardiovascular conditions. However, despite its many advantages, cardiac MRI remains a complex examination that requires specialized equipment and expertise.

In this presentation, I will outline our ongoing efforts in Lausanne to simplify the workflow of cardiac MRI and improve the diagnosis of cardiac MRI pathologies by further developing the free-running framework. The free-running framework is a novel method that allows for continuous acquisition of data without the need for specific trigger signals, providing both cardiac function and tissue characterization in a single acquisition with minimal user interaction. I will focus on the evolution of the free-running framework, recent developments, and applications, highlighting its potential to enable easier implementation of comprehensive cardiac assessment and support broader dissemination of cardiac MRI.

The lecture will be held as in-person meeting at sitem-insel (Room O2.211), Freiburgstr. 3 in Bern and in addition broadcast via zoom @:

<https://unibe-ch.zoom.us/j/66256483922?pwd=aE1kTFg5aUZza1JmWEJxZDVsdnV5dz09>

and **do spread the word** to anybody potentially interested. (for further info: karin.zwygart@insel.ch)

