Research at a Glance

Project:
Next Generation Compressed Sensing Techniques for the Fast and Dynamic Magnetic Resonance Imaging (MRI)

TUM Supervisors:
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International Supervisor: Prof. Dr. Mike Davies (University of Edinburgh)
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Start of doctoral project at GSB:
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Project Description:
In this doctoral project, we study on the next generation of compressed sensing (CS) techniques for accelerated acquisition in MRI. In particular, we aim to develop the work on accelerated pulse sequences for MR perfusion in the brain, develop fast reconstruction
models of the 4D signal, and work towards a fast estimation of the local and global blood flow patterns.

Selected Publications

*Conference Proceedings:*