

CEIPEX MU TOPIC 9

Položka / Field	Obsah / Content
NAME	Ing. Michal Mikl, Ph.D.
CEIPEX RESEARCH TOPIC LEVEL2	Brain & Mind Research: Multi-modal and functional neuroimaging
NAME OF THE RESEARCH GROUP	Multimodal and Functional Imaging Laboratory
TOPIC	Development of advanced MRI techniques for functional brain mapping
ABSTRACT	Improvements in functional brain mapping can be done in several directions. Improving data quality and/or complexity of information can be done with acquisition of multiple echoes or other adjustments in the contrast to noise ratio. The other direction can be focused more on advanced data processing. Within the topic ideally combination of both directions should be studied with the goal to present improved methods / procedures how to acquire and process the fMRI data with higher quality.
WEBPAGE OF THE RESEARCH GROUP	https://mafil.ceitec.cz/