



## **EMPIR 18HLT09 NeuroMET Virtual MR Spectroscopy Workshop May 27th, 2021**

### **Announcement**

MR spectroscopy (MRS) is to date the only technique that allows to non-invasively gain information on the metabolism of the living human brain. However, unlike MR imaging, MRS does usually not result in images that are intuitively interpreted. To give you an idea of whether MRS might be a useful tool in your clinical study, and what you need in order to get started, we will be holding the NeuroMET virtual MR Spectroscopy Workshop on May 27<sup>th</sup>.

This workshop will cover the basic principles of MR spectroscopy, what localization methods are commonly used and what the respective advantages are, what needs to be considered and calibrated in order to achieve the best possible data quality, and finally, how to process, analyze, and interpret the data.

To register please send an e-mail containing your name, affiliation and e-mail address to Robert Malinowski ([malinowskr@uni-greifswald.de](mailto:malinowskr@uni-greifswald.de)) until May 25<sup>th</sup>.

Registration is free of charge.

The meeting information will be e-mailed to registered participants shortly before the workshop.

### **Workshop Program (May 27<sup>th</sup>, 2021; 2 pm – 6 pm)**

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| 14:00 – 14:10 | Brief Introduction of Speakers and the NeuroMET Project                                       |
| 14:10 – 14:50 | L1: Basics of MR Spectroscopy (Ariane Fillmer, Physikalisch-Technische Bundesanstalt)         |
| 15:00 – 15:45 | L2: Localization Methods (Layla Riemann, Physikalisch-Technische Bundesanstalt)               |
| 16:00 – 16:45 | L3: Calibration & Workflow (Ariane Fillmer, Physikalisch-Technische Bundesanstalt)            |
| 16:55 – 17:40 | L4: Postprocessing & Quantification (Georg Oeltzschner, Johns Hopkins University of Medicine) |
| 17:45 – 17:55 | Questions & Adjourn   |