

Program FOR 2795 meeting, January 28th, 2021

Host: J. Klingauf, WWU Münster

2 pm

Nils Brose, MPI, Göttingen

Welcome address from CRC Quantitative Synaptology and talk.

3 pm

Martin Kahms, Jürgen Klingauf, Münster

Metabolic failure in presynaptic boutons: why is endocytosis first affected?

3:30 – 3:45: Break

3:45 pm

Eszter Farkas, Szeged, Hungary (new Mercator Fellow)

Spreading depolarization in ischemic stroke: what have we learnt from pre-clinical, experimental models?

4:00 pm

Ullah, Ghanim, Tampa, FL, USA (new Mercator Fellow)

Modeling the crosstalk between neurons, astrocytes, and vasculature during seizure and spreading depolarization

4:15 pm

Michel van Putten, Jeannette Hofmeijer, Twente, Netherlands
(new proposal, see attachment)

Human in vitro networks to model metabolic stress spanning a wide range of time scales and ischemic depths

4:30 pm

Ruchika Anand, Alessandro Prigione, HHU Düsseldorf
(new proposal, see attachment)

Effects of acute metabolic stress on mitochondrial cristae dynamics and functionality in human neurons from healthy individuals and mitochondrial patients

4:45 – 5:00 Break

5:00 pm

Update on FOR activities and on time line for 2nd Funding Period (Christine Rose)

Scientific goals for the new funding period

General discussion and miscellaneous