

Minisymposium:

Interplay of Neurotrophins, GABA and Chloride Homeostasis in Traumatic brain injury and Epilepsy

This minisymposium will highlight pathophysiological mechanisms of traumatic brain injury and epilepsy in experimental mouse models.

Place: Kleiner Hörsaal Pathologie, Geb. 706

Date: 10.12.2014

Time: 9:00 – 12:00

9:00 - 9:15 Michael Schäfer (Department of Anesthesiology, UMC Mainz)

Welcome and introductory remarks on traumatic brain injury and epilepsy

9:15 – 9:45 Thomas Mittmann (Department of Physiology and Pathophysiology, UMC Mainz)

Functional alterations of GABAergic interneurons following traumatic brain injury

9:45 – 10:15 Anne Sebastiani (Department of Anesthesiology, UMC Mainz)

Delayed sedation with propofol after acute brain injury increases brain damage and limits functional recovery via p75NTR signaling

10:15 – 10:30 Coffee break

10:30 – 11:00 Christophe Pellegrino (INMED, University Aix-Marseille)

Relationship between glutamatergic and GABAergic neurotransmission in TBI: link to epileptogenesis

11:00 – 11:30 Claudio Rivera (INMED University Aix-Marseille/ Neuroscience Center Helsinki)

Neurotrophin chloride homeostasis interplay drives sprouting in the pilocarpine model of temporal lobe epilepsy

11:30 – 11:45 Final discussion, concluding remarks