

Glia Symposium Bonn 2022

Venusberg Campus 1, BMZ II (building B12)

Wednesday, June 22nd

Glial Cells and Epilepsy

13:00 – 13:30 Crunelli, V. An astrocytic therapy for absence seizures and their comorbidities

13:35 – 14:05 Binder, D.K. Glutamate uptake regulation as a therapeutic strategy in epilepsy

Coffee break

14:35 – 15:05 Audinat, E. Microglial and astrocytic contribution to increased excitatory synaptic transmission during epileptogenesis

15:10 – 15:40 Bedner, P. The role of cytokine-mediated astrocyte gap junction uncoupling in epileptogenesis

Coffee break

Astrocytes and Networks

16:10 – 16:40 Spray, D. Astrocyte gap junction channels organize polarized domains and provide a network for signal exchange

16:45 – 17:15 Passlick, S. Alterations of synaptic and perisynaptic glutamate signaling during the onset of metabolic stress

17:20 – 17:50 Rose, C. R. Sodium signaling in astrocytes and astrocyte networks

Thursday, June 23rd

Microglia and OPCs

9:00 – 9:30 Kettenmann, H. Microglial communication

9:35 – 10:05 Kirchhoff, F. Signaling of OPCs and interneurons affect social behavior

Coffee break

Astrocytes in Ageing and Memory Formation

10:35 – 11:05 Verkhratsky, A. Challenging "inflammageing" of the brain: glial paralysis, rather than reactivity defines brain ageing

11:10 – 11:40 Carmignoto, G. Astrocyte calcium signals control long-term memory formation

11:45 – 12:15 Volterra, A. New insight into how astrocytes integrate hippocampal memory circuits