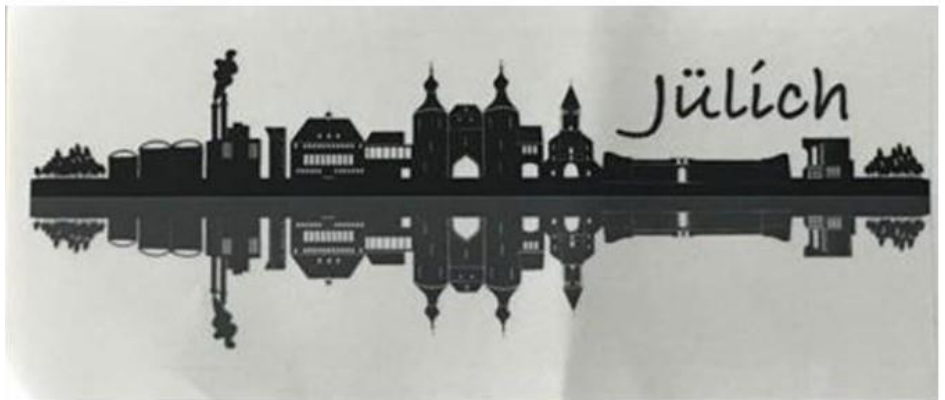


Second Meeting of the

**DFG** Research Unit FOR 2795:

Synapses under stress:  
Early events induced by metabolic failure at  
glutamatergic synapses

Jülich, June, 26th 2019



## Scientific Programme

Wednesday, June 26, 2019

11.30 – 12.00	Arrival and Coffee	
12.00 – 12.10	Christoph Fahlke	Welcome and Introduction
12.10 – 12.35	Christine Rose	Mechanisms and consequences of sodium dysregulation under acute metabolic stress
12.30 – 13.00	Christian Henneberger	Alterations of synaptic and perisynaptic glutamate signaling during the onset of metabolic stress
13.00 – 14.00	Lunch	
14.00 – 14.25	Garbor Petzold	Calcium and glutamate dynamics and their contribution to acute cell death in an in vivo model of stroke
14.25 – 14.50	Christoph Fahlke	Changes in neuronal and glial chloride concentrations under acute metabolic stress
14.50 – 15.15	Jürgen Klingauf	Mechanisms of presynaptic dysfunction under acute metabolic stress
15.15 – 15.40	Andreas Reiner	Optical probing of glutamate receptor signaling following metabolic stress
15.40 – 16.05	Nadine Erlenhardt	Life cycle of AMPA receptors under acute metabolic stress
16.05 – 16.20	Coffee Break	
16.20 – 16.45	Michel van Putten	Metabolic stress in neuronal networks
16.45 – 17.10	Rose/van Putten/Fahlke	Towards a concerted model of early ion dynamics induced by metabolic failure at tripartite synapses
17.10 – 17.30		Discussions
17.30		Departure