

24th June 2024  
SATELLITE EVENT of the FENS Forum 2024, Wien  
(<https://fensforum.org/satellite-events/>)



# FeMale glia: influence of sex differences on glia cell functions in health and disease

Venue  
**Arcotel Wimberger**  
Neubaugürtel 34-36 | Wien

Organizers  
**Barbara Di Benedetto** and **Julia Schultze-Hentrich**  
Regensburg University and Saarland University (DE)



**09h00 Introduction** (Barbara and Julia)

**S1. Sex differences – unique features of the female brain**

**9h20** Oliver BOSCH (DFG-RTG2174 - Regensburg University, DE)

**The devastating effect of child loss – targeting brain CRF and OXT systems in rat mothers**

**10h00** Lydia KOGLER (University of Tübingen, DE)  
**Sex differences in stress regulation in neural activation and networks**

**10h40** Coffee break

**11h10** Maina GARNERO (College-de-france, FR)  
**A neuroglial circuit for maternal behavior**

**12h00** Lunch Break

**S2. Understanding brain disorders from a glial perspective**

**13h00** Susanne WOLF (Charite' University Hospital Berlin, DE)  
**Sex differences in microglia synapse interaction in a mouse model for Autism Spectrum Disorder**

**13h40** Julia SCHULZE-HENTRICH (Saarland University, DE)  
**Using transcriptome and epigenome profiling to better understand the sex-specific role of glia cells in neurodegenerative disorders**

**14h20** Barbara DI BENEDETTO (DFG-RTG2174 - Regensburg University, DE)

**Age- and sex-dependent regulation of astrocyte-mediated synapse elimination in depressive disorder**

**15h00** Coffee break

**S3. Physiological and pathological changes in glial cells**

**15h30** Xianshu BAI (Saarland University, DE)  
**Sex-specific GABAB receptor signaling in oligodendrocyte lineage cells in remyelination**

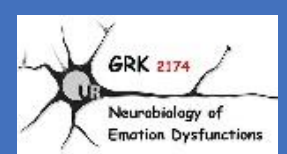
**16h10** Christian HANNEBERGER (Bonn University, DE)  
**Physiological and maladaptive rapid remodelling of hippocampal astrocytes**

**16h50** Lasse SINKONNEN (Luxembourg University, LU)  
**Age- and sex-specific transcriptome changes in mouse midbrain upon Park7 deletion**

**17h30 Concluding remarks**

Attendance free, registration mandatory - for more infos and registration, please contact:

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More at: <https://www.uni-regensburg.de/research/grk-emotion/news/index.html>