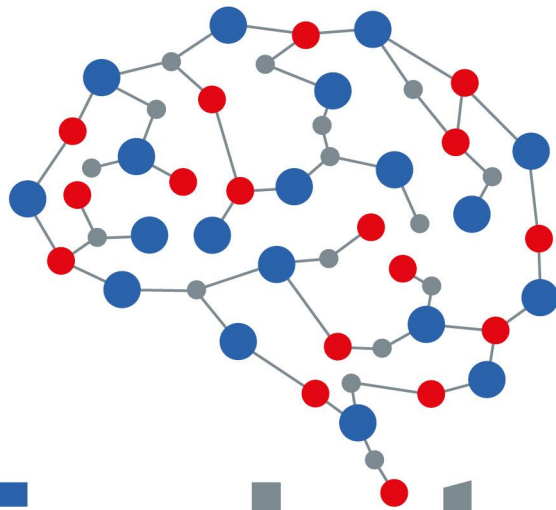


ForInter Consortium Meeting
18.11 + 19.11.2021



For!nter
Bayerischer Forschungsverbund **Interaktion von humanen Gehirnzellen**

- 11:00 - 11:15** **Welcome**
Prof. Dr. Beate Winner, UKER, FAU Erlangen-Nürnberg
- 11:15 - 11:35 TP1: Neuron-oligodendrocyte interaction: glial pathology in neurodegeneration.
Prof. Dr. Jürgen Winkler, UKER, FAU Erlangen-Nürnberg
Presenter: PD Dr. Franz Marxreiter, Dr. Jeanette Wihan
- 11:35 - 11:55 TP2: The role of oligodendrocytes in developmental brain disorders and resulting diseases.
Presenter: Dr. Bettina Bohl
- 11:55 - 12:15 TP3: Neuron-microglia interaction
Presenter: Prof. Beate Winner, Johanna Kaindl
- 12:15 - 12:35 TP4: Identification of transcriptional networks in the development of interhemispheric neuronal connections.
Prof. Dr. Dieter Chichung Lie, FAU Erlangen-Nürnberg
Presenter: Prof. Chichung Lie
- 13:00 - 14:00** **Lunch**
- 14:00 - 14:20 TP5: Investigating the functional heterogeneity of human pericytes and their cellular interactions using 2D cell culture models and 3D organoid systems
Dr. Sven Falk / Prof. Dr. Marisa Karow, FAU Erlangen-Nürnberg
Presenter:
- 14:20 - 14:40 TP6: 3D human cell culture systems for the study of gliomas.
Prof. Dr. Markus Riemenschneider, UKR
Presenter: Dr. Frank Braun
- 14:40 - 15:00 TP7: Computational identification of ligand-receptor interactions in single cell transcriptome data and application to neuron-microglia interaction
Dr. Maren Büttner / Prof. Dr. Fabian Theis, TUM, Helmholtzzentrum München
Presenter: Luke Zappia

15:30 - 16:00

Coffee Break

16:00 - 16:20

TP8: Legal and ethical issues of research with and
Application of genome-edited IPSZ-derived brain cells
Prof. Dr. Hans-Georg Dederer, Uni Passau
Presenter: Hannes Wolff

17:00

Dinner

18:15

**Meet outside to explore Sophie at night, a cave walk with torches and
mulled wine afterwards***

* Please remember to bring sturdy shoes and weather appropriate clothing.
Corona: 2G Rules

09:00 - 10:00

Task Force Reports (~ 10 min each)

TF1: Characterization of 3D brain organoids (Winner, Karow, Dederer)

Presenter: Dr. Tania Rizo

TF2: Establishment of co-culture conditions for different neural cell types (Winkler, Lie)

Presenter:

TF3: Genome editing of pluripotent stem cells (Wegner, Falk)

Presenter:

TF4: Analysis of genomic data using single-cell transcriptomics. (Büttner/Zappia, Riemenschneider)

Presenter:

10:00 - 11:00

Postersession* with Coffee Break

11:00 - 12:00

ForInter & Future

PI - Meeting

12:00 – 13:00

Lunch

13:00

End