

## Schedule of SPP-2041 Meeting, April 12-13, 2021

Via zoom, invitation link will be e-mailed to all SPP-2041 members

**Monday, April 12:** (regular talks: 20+5 min, **short talks: 10+5 min**, speakers are underlined)

13:00 - 13:05 **Welcome**

Session Chairs: Jochen Triesch / Sacha v. Albada

13:05 - 13:30 v. Albada, Dickscheid, Goulas: Cellular, connectional and molecular heterogeneity in a large-scale computational model of the human cerebral cortex

13:30 - 13:55 Baum, Macke, Oberlaender: Predicting the Impact of Connectomes on Cortical Function using Statistical Inference

13:55 - 14:20 Kaschube, Rumpel, Triesch: The dynamic connectome: dynamics of learning

**14:20 - 14:35** Dayan, Amemori: Computational and Physiological Approaches to the Primate Anxiety Connectome

**14:35 - 14:50** Eickhoff, Thomalla + Patil: Machine-learning on brain connectomics: Individual prediction of cognitive functioning in health and cerebral small vessel disease

14:50 - 15:10 **Coffee Break**

Session Chair: Claus Hilgetag

15:10 - 15:35 Berens, Briggman, Euler + Vlasits: Towards a connectomics-based predictive model of the inner retina

15:35 - 16:00 Engel, Hilgetag + Galindo-Leon, Messé: Multi-scale analysis and computational modeling of intrinsic coupling modes in the ferret brain

16:00 - 16:25 Hamker, Kühn, Ritter + Achtzehn, Maith: Clinical Connectomics: A network approach to deep brain stimulation

**16:25 - 16:40** Fekonja, Picht, Ritter: The Language Connectome in Brain Tumor Patients

16:40 - 17:00 **General Discussion**

(continued on next page)

**Tuesday, April 13:** (regular talks: 20+5 min, **short talks: 10+5 min**, speakers are underlined)

13:00 - 13:05 **Welcome**

Session Chair: Jochen Triesch

13:05 - 13:30 Beck, Kubitscheck, Schwarz: High resolution connectivity analysis of CA3/DG engrams: from behavior to structure

13:30 - 13:55 Kirilina, Morawski, Mohammadi, Weiskopf: The comprehensive microstructural human connectome (COMIC): from long-range to short-association fibres

13:55 - 14:20 Anwander, Deco, Friederici, Knösche: The dynamic connectome underlying language in the brain

**14:20 - 14:35** Lohmann, Scheffler, Siegel: Next Generation Connectomics: Laminar and Spectral Specificity

**14:35 - 14:50** Schuck + Cai: The role of dynamic neural functional coupling in spontaneous thoughts

14:50 - 15:10 **Coffee Break**

Session Chair: Sacha van Albada

15:10 - 15:35 Denk, Kubo + Svara: Functional connectomics of the binocular optic flow processing circuit in zebrafish

15:35 - 16:00 Busse, Tchumatchenko + Renner: Combining theory and experiments to infer how Recurrent and top-down connectivity in the corticothalamic circuit gives rise to V1 selectivity

16:00 - 16:25 Herzel, Stengl: Computational connectomics of the cockroach circadian clock

16:25 - 17:00 **General Discussion**

**Quick poll at end of meeting:** Do you prefer the next project meeting (hopefully in person) to be in November 2021 or in the first quarter of 2022?

2021: 3 votes

**2022: 11 votes**