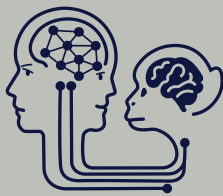


Session Program

13-15 Oct 2025



Göttingen Cognition Forum

The Göttingen Cognition Forum: Curiosity & Interaction

Neural Circuit Evolution

Tagungszentrum Alte Mensa Göttingen
Wilhelmsplatz 3, 37073 Göttingen

Wednesday 15 October

14:20

Neural Circuit Evolution

Session | **Location:** Tagungszentrum am Wilhelmsplatz, Adam-von-Trott-Saal, Wilhelmsplatz 3, 37073 Göttingen

14:20–14:40

Evolution of action potential firing precision and axon initial segment scaffolds

Speaker

Andreas Neef

14:40–15:00

Information and the Evolution of Species-Specific Signals and Preferences

Speaker

Daesung Cho

15:00–15:20

A synthetic biology model of the early visual pathway to study the emergence of orientation selectivity

Speaker

Julian Vogel

15:20–15:40

Marking homologous genetic neural lineages reveals developmental differences in brains of flies and beetles with likely relevance to circuitry and behavior

Speaker

Gregor Bucher

15:40–16:00

From ciliary beating to muscular locomotion: Developmental origins of nervous systems in the annelid *Platynereis dumerilii*

Speaker

Mette Handberg-Thorsager

16:00