

DAY 1

CASINO FESTSAAL, CAMPUS WESTEND, GOETHE UNIVERSITY, FRANKFURT/MAIN

9:30 a.m. Registration and Breakfast Bites

10:00 a.m. **Opening Ceremony: Enrico Schleiff, Fredrik Ullén, Lothar Willmitzer, Christian Kell**

BRAIN DYNAMICS

Chairs: Georgios Michalareas, Andreas Reif, Yee Lee Shing

10:45 a.m. **Joachim Groß “The Dynamic Brain: From Structural Scaffolds to Embodied Rhythms Across the Lifespan”**

11:30 a.m. **Monika Schönauer “Material-Specific Memory Engrams Emerge Rapidly in Human Neocortex”**

12:15 p.m. **Discussion**

12:30 p.m. Lunch Break

LEARNING AND DECISION MAKING

Chairs: Christine Ecker, Raffael Kalisch, Rosanne Rademaker, Charlie Wu

1:30 p.m. **Birte Forstmann “Joint Modeling of the Deep Brain’s Form and Function”**

2:15 p.m. **Christopher Summerfield “Understanding the Dynamics of Human Learning”**

3:00 p.m. **Discussion**

3:15 p.m. Coffee Break und Postersession

NOVEL METHODS AND ADVANCES

Chairs: Ralf Deichmann, Dimo Ivanov, Marieke Schölvinck

4:15 p.m. **Martina Callaghan “Leveraging Ultra-High-Field MRI to Probe Human Brain Structure and Function”**

5:00 p.m. **Mariya Toneva “Improving Large Language Models as Model Organisms of Language in the Human Brain”**

5:45 p.m. **Discussion**

6:00 p.m. Break

OUTREACH LECTURE

6:15 p.m. **Robert Turner “Imaging Music in Our Brains”, Fredrik Ullén (Piano)**

7:30 p.m. Adjourm for the Day

DAY 2

CASINO FESTSAAL, CAMPUS WESTEND, GOETHE UNIVERSITY, FRANKFURT/MAIN

8:30 a.m. Breakfast Bites

IMAGING AND MODULATING BRAIN NETWORKS

Chairs: Til Ole Bergmann, Christian Grefkes-Hermann, Elke Hattingen

9:00 a.m. **Marcello Massimini “TMS-Evoked Potentials in Brain Injury”**

9:45 a.m. **Charlotte J. Stagg “Advances in Precise Neuromodulation for Human Motor Control”**

10:30 a.m. **Martijn van den Heuvel “Wired for Thought: Network Principles of the Human Brain”**

11:15 a.m. **Discussion**

11:30 a.m. Lunch

AUDITION

Chairs: Christian Fiebach, Ralf Galuske, Melanie Wald-Fuhrmann

12:15 p.m. **Elia Formisano “Auditory Cognition: Bridging Human and Machine Perspectives”**

1:00 p.m. **Keith Doelling “Potentiated Dynamics of Auditory Cognition: Reframing the Oscillations Debate”**

1:45 p.m. **Discussion**

2:00 p.m. Transfer to CoBIC

RESEARCH AT COBIC

COBIC, HEINRICH-HOFFMANN-STRASSE 9, FRANKFURT/MAIN

3:00 p.m. **CoBIC Tour and Science Hopping**

4:30 p.m. **CoBIC Quiz**

5:00 p.m. **Meet the Speakers, Live Music, Prize Ceremony, Drinks and Snacks**

6:00 p.m. Farewell