

Session Program

20-21 Apr 2026



CoBIC Scientific Opening Symposium

Talk Session

Goethe University, Casino Festsaal
Campus Westend Theodor-W.-Adorno-Platz 2 60323 Frankfurt am Main CoBIC Heinrich-Hoffmann-
Straße 9 60528 Frankfurt am Main

Monday 20 April

10:45

Talk Session: BRAIN DYNAMICS — Chairs: Andreas Reif, Georgios Michalareas, Yee Lee Shing

Session |

Location: Goethe University, Casino Festsaal, Campus Westend Theodor-W.-Adorno-Platz 2 60323 Frankfurt am Main
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10:45–11:30

The Dynamic Brain: From Structural Scaffolds to Embodied Rhythms Across the Lifespan

Speaker

Joachim Groß

11:30–12:15

Material-Specific Memory Engrams Emerge Rapidly in Human Neocortex

Speaker

Monika Schönaauer

12:15–12:30

Discussion

12:30

13:30

Talk Session: LEARNING AND DECISION MAKING — Chairs: Charlie Wu, Christine Ecker, Raffael Kalisch

Session |

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13:30–14:15

Understanding the Dynamics of Human Learning

Speaker

Christopher Summerfield

14:15–14:45

Discussion

14:45

16:15

Talk Session: NOVEL METHODS AND ADVANCES — Chairs: Dimo Ivanov, Mariek Schölvinc, Ralf Deichmann

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16:15–17:00

Leveraging Ultra-High-Field MRI to probe human brain structure and function

Speaker

Martina Callaghan

17:00–17:45

Improving Large Language Models as Model Organisms of Language in the Human Brain.

Speaker

Mariya Toneva

18:00

17:45-18:00

Discussion

Tuesday 21 April

09:00

Talk Session: IMAGING AND MODULATING BRAIN NETWORKS — Chairs: Christian Grefkes-Hermann, Elke Hattingen, Till Bergmann

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09:00–09:45

TMS-Evoked Potentials in Brain Injury

Speaker

Marcello Massimini

09:45–10:30

Advances in Precise Neuromodulation for Human Motor Control

Speaker

Charlotte Stagg

10:30–11:15

Wired for Thought: Network Principles of the Human Brain

Speaker

Martijn van den Heuvel

11:15–11:30

Discussion

11:30

12:15

Talk Session: AUDITION — Chairs: Christian Fiebach, Melanie Wald-Fuhrmann, Ralf Galuske

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12:15–13:00

Auditory Cognition: Bridging Human and Machine Perspectives

Speaker

Elia Formisano

13:00–13:45

Potentiated Dynamics of Auditory Cognition: reframing the Oscillations Debate

Speaker

Keith Doelling

13:45–14:00

Discussion

14:00