

Frontiers of Theoretical Neuroscience

The Brain Conferences

3-6 June 2025, Rungstedgaard, north of Copenhagen, Denmark

Currently confirmed speakers

Attractors and computation

Yoram Burak	Edmond and Lily Safra Center for Brain Sciences, Israel
Ann Kennedy	Scripps Research, United States

Circuits to behavior

Adrienne Fairhall	University of Washington, United States
Christian Machens	Champalimaud Centre for the Unknown, Portugal

Large scale structures

Tatiana Engel	Princeton Neuroscience Institute, United States
Stefano Fusi	Columbia University, United States
Xiao-Jing Wang	New York University, United States
Li Zhaoping	Max Planck Institute for Biological Cybernetics, University of Tuebingen, Germany

Plasticity and learning - mechanisms

Alex Cayco-Gajic	École Normale Supérieure, France
Tatyana Sharpee	Salk Institute for Biological Studies, United States
Tim Vogels	Institute of Science and Technology Austria, Austria

Plasticity and learning - human

Peter Dayan	Max Planck Institute for Biological Cybernetics, Germany
Yonatan Loewenstein	Hebrew University of Jerusalem, Israel
Michail Tsodyks	Weizmann Institute of Science, Israel

Cognitive representations in brains and machines

Fatma Deniz	Technische Universität Berlin, Germany
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Discussion: Future of theoretical neuroscience

Larry Abbott	Columbia University, United States
Ila Fiete	MIT McGovern Institute, United States
Haim Sompolinsky	Harvard University and Hebrew University of Jerusalem, United States/Israel

Programme highlights

In addition to lectures, the programme will feature **poster sessions** with abstracts submitted by participants.

Participants may also be asked to present their abstract in the form of a **short talk** or **poster spotlight**.

An optional **social event** will be organised: a guided tour of either a museum or castle (English speaking).