

The Brain Conferences

Frontiers of Theoretical Neuroscience

3-6 June 2025

[Rungstedgaard](#), Denmark

PROGRAMME

Tuesday, 3 June 2025	
From 14:00	Arrival and registration, coffee and refreshments available
14:45-15:00	Introduction
Attractors and computation	
15:00-15:40	Yoram Burak , Edmond and Lily Safra Center for Brain Sciences, Israel
15:50-16:30	Ann Kennedy , Scripps Research, United States
16:40-17:00	Discussion
17:00-19:00	Poster Session & Welcome Drink
19:30-21:00	Dinner

Wednesday, 4 June 2025	
Circuits to behavior	
09:00-09:40	Adrienne Fairhall , University of Washington, United States
09:50-10:30	Christian Machens , Champalimaud Centre for the Unknown, Portugal Computing with Spikes
10:40-11:00	Group Picture and Coffee Break

11:00-11:40	Tatiana Engel , Princeton Neuroscience Institute, United States
11:50-12:10	Discussion
13:00-14:00	Lunch
Large scale structures	
14:00-14:40	Stefano Fusi , Columbia University, United States
14:50-15:30	Li Zhaoping , Max Planck Institute for Biological Cybernetics, University of Tuebingen, Germany Understanding primate vision by understanding the functional role of the primary visual cortex (V1)
15:40-16:00	Coffee Break
16:00-16:40	Xiao-Jing Wang , New York University, United States
16:50-17:10	Discussion
19:30-21:00	Dinner

Thursday, 5 June 2025	
Cognitive representations in brains and machines	
09:00-09:40	Fatma Deniz , Technische Universität Berlin, Germany
Plasticity and learning – mechanisms	
09:50-10:30	Alex Cayco-Gajic , École Normale Supérieure, France
10:30-10:50	Coffee Break
10:50-11:30	Tatyana Sharpee , Salk Institute for Biological Studies, United States
12:15-12:30	Pick up lunch to go / Lunch at 13:00 for those not joining the social programme
12:30-17:30	Afternoon excursion
19:30-21:30	Dinner

Friday, 6 June 2025	
Plasticity and learning – mechanisms	
09:00-09:40	Tim Vogels , Institute of Science and Technology Austria, Austria
Plasticity and learning – human	
09:50-10:30	Peter Dayan , Max Planck Institute for Biological Cybernetics, Germany
10:40-11:00	Coffee Break
11:00-12:10	Short talks
13:00-14:00	Lunch
14:00-14:40	Yonatan Loewenstein , Hebrew University of Jerusalem, Israel
14:50-15:30	Michail Tsodyks , Weizmann Institute of Science, Israel Random tree model of meaningful memory
15:40-16:00	Coffee Break
16:00-16:20	Discussion
19:00-21:30	Farewell drinks & dinner

Saturday, 7 June 2025
Breakfast & Departure