



Predictive Attention

Workshop organized by **Dr. Siyi Chen** (CAS Researcher in Residence)

18 and 19 March 2024

Center for Advanced Studies, LMU Munich

Monday, 18 March

09:15 – 09:30

Welcome and Introduction
Simone Glasl (CAS LMU), Siyi Chen (LMU)

Session 1: Brain mechanisms of predictive attention

Chair: Prof. Tobias Staudigl (LMU)

09:30 - 10:20

Keynote: Prof. Floris de Lange (Radboud University Nijmegen, Netherlands)
Title: Prediction in Visual Cognition

10:20 - 11:00

Prof. Fang Fang (Peking University, China)
Title: Attention, Oscillation, and Prediction

11:00 - 11:30

Coffee Break

11:30 - 12:10

Dr. Marius Peelen (Radboud University Nijmegen, Netherlands)
Title: Interactions between Attention and Prediction in Naturalistic Vision

12:10 – 12:50

Prof. Tobias Staudigl (LMU)
Title: Thalamocortical Rhythms Predict Perception

12:50 - 13:10

Interactive Discussion

13:10 – 14:10

Lunch Break

Session 2: Neuro-cognitive theories and models of predictive attention

Chair: Prof. Zhuanghua Shi (LMU)

14:10 - 14:50

Prof. Heleen Slagter (Vrije Universiteit Amsterdam, Netherlands)
Title: Plasticity of the Attentive Mind

14:50 - 15:30

Dr. Sage Boettcher (University of Oxford, UK)
Title: Temporal Predictions Guide Attention in Dynamic Tasks

15:30 - 16:00

Coffee Break

16:00 - 16:40	Prof. Nikolaus Kriegeskorte (Columbia University, USA) <i>Title: Comparing task-performing models by their predictions of representational geometries and topologies</i>
16:40 - 17:20	Prof. Zhuanghua Shi (LMU) <i>Title: Distractor Suppression in Visual Search: A Gaze into Statistical Learning</i>
17:20 - 17:40	Interactive Discussion
18:00	<i>Conference Dinner</i>

Tuesday, 19 March

Session 3: Search guidance by statistical long-term learning

Chair: Dr. Siyi Chen (LMU)

09:15 - 09:55	Dr. Tom Beesley (Lancaster University, UK) <i>Title: Contextual Cuing in a Virtual Reality Task</i>
09:55 – 10:35	Prof. Thomas Geyer (LMU) <i>Title: Behavioral and Cortical Mechanisms of Statistical Learning in Search Tasks</i>
10:35 – 10:55	<i>Coffee Break</i>
10:55 – 11:35	Dr. Siyi Chen (LMU) <i>Title: Learning of Target-Context Associations: The Uncertainty Influence</i>
11:35 – 11:55	Interactive Discussion
11:55	End of Workshop

Venue

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