



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

CAS^{LMU} CENTER FOR ADVANCED STUDIES



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**
- 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**
- 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)
Title: Comparing task-performing models by their predictions of representational geometries and topologies
- 16:40 - 17:20 Prof. Zhuanghua Shi (LMU)
Title: Distractor Suppression in Visual Search: A Gaze into Statistical Learning
- 17:20 - 17:40 Interactive Discussion
- 18:00 *Conference Dinner*

Tuesday, 19 March

Session 3: Search guidance by statistical long-term learning

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 – 11:00	<i>Coffee Break</i>
11:00 – 11:40	Dr. Siyi Chen (LMU) <i>Title: Learning of Target-Context Associations: The Uncertainty Influence</i>
11:40 – 12:00	Interactive Discussion
12:00	End of Workshop

Venue

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