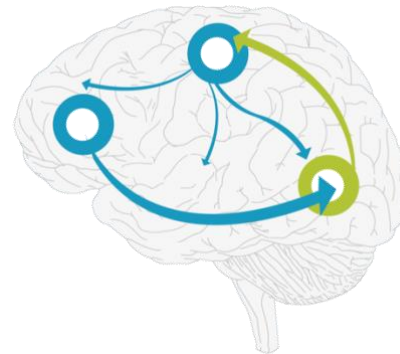


Resources of perception, action and learning



May 9, 2023

Leibniz Institut for Neurobiology, Ebbinghaus Lecture Hall
Brenneckestraße 6, 39118 Magdeburg

09.00 **Welcome**

09.05 **Introduction to the CRC 1436 - Emrah Düzel**

09.30 - 10.50 Visual Perception

Chair: Elena Azañón

09.30 **Keynote - Karl Gegenfurtner**
Color vision: from pixels to objects

10.10 **Radha Meghanathan**
Cortical representation of eye movement sequences

10.30 **Ben de Haas**
I spy with my little eye - individual differences in visual perception

10.50 - 11.10 Coffee Break

11.10 - 13.10 Action, Exploration & Prediction

Chair: Nicole Wetzell

11.10 **Markus Ullsperger**
Dynamics of feedback-based learning in health and mental disorders

11.30 **Bianca van Kemenade**
Action-based predictions and their effects on perception

11.50 **Kerstin Krauel**
Improving cognitive processes and behavioral control in ADHD

12.10 **Katja Dörschner-Boyaci**
Active exploration in material perception

12.30 **Keynote - Katja Fiehler**
How sensorimotor predictions shape tactile perception

13.10 - 14.10. Light lunch

14.10 - 15.50 Networks & Circuits for Memory, Perception and Action
Chair: Max-Philipp Stenner

14.10 **Katharina Dobs**
Face perception in biological and artificial neural networks

14.30 **Thomas Wolbers**
How aging and dementia affect neural computations of space

14.50 **Sanja Mikulovic-Bauer**
Behavioral variables and neural networks underlying prosocial actions in mice

15.10 **Magdalena Sauvage**
Medial temporal lobes' memory networks

15.30 **Stefan Remy**
Neural circuits for explorative and appetitive behavior

15.50 - 16.10 Coffee Break

16.10 - 17.50 Towards Perception & Action in Natural Settings
Chair: Constanze Seidenbecher

16.10 **Gudrun Schwarzer**
How experience shapes face processing in early childhood

16.30 **Martin Hebart**
The THINGS initiative: A large-scale multimodal approach for unifying our understanding of object representations

16.50 **Daniel Kaiser**
Explaining idiosyncrasies in natural vision

17.10 **Keynote - Roland Fleming**
What shape tells us about objects

17.50 - 18.00 Concluding remarks