

Thursday (26 September 2024)

- 8:30 - 9:15 Registration & Coffee
- 9:15 - 9:30 Welcome address
- 9:30 - 10:00 **Neural mechanisms of vocal learning and production in songbirds**
Daniela Vallentin, München
- 10:00 - 10:30 **On cerebral processing of voice information in primates**
Pascal Belin, Marseille
- 10:30 - 10:50 Break
- 10:50 - 11:20 **Predictive learning shapes the representational geometry of the human brain**
Antonino Greco, Tübingen
- 11:20 - 11:50 **Deciding when to decide: neural mechanisms underlying biased information gathering in mental health**
Tobias Hauser, Tübingen
- 11:50 - 14:40 Lunch & Posters
- 14:40 - 15:10 **Neurophysiology and neuromodulation of memory & attention**
Wael Asaad, Providence
- 15:10 - 15:40 **Layer-specific processing in the prefrontal cortex during working memory**
Romy Lorenz, Tübingen
- 15:40 - 16:00 Break
- 16:00 - 16:30 **Computations and mechanisms in neural reinforcement learning**
Sahiti Chebolu & Sebastian Bruijns, Tübingen
- 16:30 - 17:00 **Uncertainty in perceptual decision making**
Janneke Jehee, Nijmegen
- 19:30 Dinner (Japengo)

Friday (27 September 2024)

- 9:30 - 10:00 **Neurocomputational mechanisms of dynamic predictions: cortical oscillations and cerebellar control**
Assaf Breska, Tübingen
- 10:00 - 10:30 **Learning in living networks with dendritic predictive coding**
Viola Priesemann, Göttingen
- 10:30 - 10:50 Break
- 10:50 - 11:20 **Information theory for the age of neural networks**
Michael Wibral, Göttingen
- 11:20 - 11:50 **Decision-making in dynamic, continuously evolving environments**
Laurence Hunt, Oxford
- 11:50 - 14:40 Lunch & Posters
- 14:40 - 15:10 **Sensory and brain state modulation of head direction cells**
Eduardo Blanco-Hernandez, Tübingen
- 15:10 - 15:40 **The VBC framework for how vision works in primate brain**
Zhaoping Li, Tübingen
- 15:40 - 16:00 Break
- 16:00 - 16:30 **From the fovea to the periphery and back: mechanisms of trans-saccadic visual information transfer in the superior colliculus**
Tong Zhang, Tübingen
- 16:30 - 17:00 **Cortical circuits for information processing and decision making**
Valentin Dragoi, Houston

More information: <http://meg.medizin.uni-tuebingen.de/2024>

Venue: [Lecture Hall R210, CRONA, Level 4, Hoppe-Seyler-Str. 3](#)

Dinner location: [Japengo, Schaffhausenstraße 113, 72072 Tübingen](#)