

Symposia schedule

Wednesday 18.5.

9:00-11:00 Symposia session I

Location: [Kaleva-sali](#)

1. **On the role of gamma activity and synchrony in information processing in the human brain: research and clinical evidence**

[Gabriele Arnulfo](#), [Felix Siebenhühner](#), [Esther Florin](#), [Daniel Pacheco](#), Nikolai Axmacher, Sheng Wang, Satu Palva, J. Matias Palva

Location: [Lumituuli](#)

2. **Neurophysiological mechanisms that support novel-word learning in typical and atypical language learners**

[Monica Wagner](#), [Tiina Parviainen](#), [Jarmo Hämäläinen](#), [Lilli Kimppa](#), Yury Shtyrov

Location: [Palaver](#)

3. **Effects of auditory exposure and intervention on early language development**

[Sari Ylinen](#), Teija Kujala, [Minna Huotilainen](#), [Paula Virtala](#), [Eino Partanen](#)

Thursday 19.5.

9:00-11:00 Symposia session II

Location: [Kaleva-sali](#)

4. **Interactions between sensory representations as well as cognitive control in working memory**

[Dr. Corinna Haenschel](#), [Prof Brad Postle](#), [Prof Bettina Forster](#), [Dr Aytaç Karabay](#), Prof Elkan G. Akyürek

Location: [Lumituuli](#)

5. **Eye movements during natural reading and visual exploration**

[Dr. Yali Pan](#), [Dr. Tzvetan Popov](#), [Dr. Ashley Lewis](#), [Dr. Anthony Harris](#), [Dr. Joshua Snell](#)

Location: [Palaver](#)

6. **Interaction between body, brain, and cognition across the human lifespan**

MSc Ilona Ruotsalainen, PhD Jan Kujala, PhD, Assoc Prof Harri Piitulainen, [PhD. Univ Researcher Tiina Parviainen](#), Professor Vesa Kiviniemi

14:30-16:30 Symposia session III

Location: [Kaleva-sali](#)

7. **Rhythm processing and temporal predictions**

[Dr Ryszard Auksztulewicz](#), [Dr Saskia Haegens](#), [Dr Alessandro Tavano](#), [Dr Fleur Bouwer](#), Dr Nicholas E. Myers, Prof Jan W.H. Schnupp, Prof Anna C. Nobre, Prof Johannes Fahrenfort, Prof Heleen A Slagter

Location: [Lumituuli](#)

8. **Communicative signals exploit complementary neural networks and acoustic attributes adapted to that purpose**

Dr Luc Arnal, Dr Vani Rajendran, [Benjamin Morillon](#), Pr Christian Kell

Location: [Palaver](#)

9. **Arousal and cortical excitability shape adaptive perceptual decision making**

[Prof. Dr. Matthew McGinley](#), [Dr. Elaine Corbett](#), [Dr. Julian Kosciessa](#), [Dr. Leonhard Waschke](#), [Martin Dahl](#)

Friday 20.5. (1/2)

9:00-11:00 Symposia session IV

Location: [Kaleva](#)

10. **The Neuronal basis of predictive coding: Evidence from brain studies across species**

[Dr. Manuel S. Malmierca](#), [Dr. Ryszard Aukstulewicz](#), [Dr. Tobias Teichert](#), [Dr. Alejandro Blenkmann](#), [Dr. Lucia Melloni](#)

Location: [Lumituuli](#)

11. **Building bridges: Mapping the multifaceted architecture of the wandering mind**

[Josephine Maria Groot](#), [Matthias Mittner](#), [Julia Kam](#), [Adrien Martel](#), [Aaron Kucyi](#)

Location: [Palaver](#)

12. **Age differences in episodic memory: Lessons from neural pattern analyses**

[Dr Joshua Koen](#), [Dr Christine Bastin](#), [Dr Alexa Morcom](#)

Location: [Takka](#)

13. **Neurocinematics: Investigation of intersubjectively shared experiences**

[Dr. Clare Grall](#), [Prof. Uri Hasson](#), [Dr. Heini Saarimäki](#), [Dr. Pia Tikka](#)

14:30-16:30 Symposia session V

Location: [Kaleva-sali](#)

14. **New views on the genesis and modulation of visual gamma activity**

[Prof. Martin Vinck](#), [Dr. Alina Peter](#), [Andres Canales Johnson](#), [Irene Onorato](#)

Location: [Lumituuli](#)

15. **Neural responses to auditory regularities as a function of attention and conscious awareness**

[Prof Julia W.Y. Kam](#), [Prof Athina Tzovara](#), [Prof Leon Y. Deouell](#), [Marzia De Lucia](#)

Location: [Palaver](#)

16. **The effects of novelty on long-term memory**

[Dr. Judith Schomaker](#), [Dr. Tomonori Takeuchi](#), [Prof. Dr. Nico Bunzeck](#), [Prof. Dr. Christine Bastin](#)

Friday 20.5. (2/2)

17:00-19:00 Symposia session VI

Location: [Kaleva-sali](#)

17. Beyond a single brain imaging modality and lab measure to enhance prediction of spontaneous behaviors and outcomes in drug addiction

[Dr. Vince Calhoun](#), [Dr. Conor Liston](#), [Dr. Rita Goldstein](#), [Prof. Dr. Daniel Durstewitz](#)

Location: [Lumituuli](#)

18. Representational dynamics of image processing during perception, conscious access and mental reconstruction

[Dr Maria Wimber](#), [Daniel Lindh](#), [Dr Peter Kok](#), [Dr Tim Kietzmann](#)

Saturday 21.5

9:00-11:00 Symposia session VII

Location: [Kaleva-sali](#)

19. Rhythms in Cognition: Revisiting the Evidence

[Manuela Ruzzoli](#), [Christian Keitel](#), [Andrea Alamia](#), [Rufin VanRullen](#), [Sophie Herbst](#), [Jonas Obleser](#), [Virginie van Wassenhove](#), [Mireia Torralba](#), [Irene Vigué-Guix](#), [Luis-Morís Fernández](#), [Salvador Soto-Faraco](#), [Christopher SY Benwell](#), [Chiara F Tagliabue](#), [Domenica Veniero](#), [Roberto Cecere](#), [Andra Coldea](#), [Silvia Savazzi](#), [Gregor Thut](#), [Laura Dugué](#), [Niko Busch](#)

Location: [Lumituuli](#)

20. Frontal-midline theta brain dynamics - a core mechanism for cognitive control

[Stefan Arnau](#), [Dr Patrick Cooper](#), [Dr Kathrin Eschmann](#), [Anna Lena Biel](#), [Dr Diego Pinal](#), [Prof Paul Sauseng](#)

Location: [Palaver](#)

21. Neural underpinnings of episodic memory: a focus on the formation and retrieval of contextual memories

[Tobias Staudigl](#), [Ines Bramao](#), [Mikael Johansson](#), [Tamas Minarik](#), [Barbara Berger](#), [Paul Sauseng](#), [Anna E Karlsson](#), [Myriam C Sander](#)

Location: [Takka](#)

22. New Frontiers in Vision Rehabilitation: From Implants to Sensory Substitution

[Dr. Benedetta Franceschiello](#), [Dr. Ruxandra Tivadar](#), [Prof. Serge Picaud](#), [Prof. Monica Gori](#), [Prof. Micah Murray](#)

14:30-16:30 Symposia session VIII

Location: [Kaleva-sali](#)

23. Vistas on alpha-rhythms revisited

[Gregor Thut](#), [Ole Jensen](#), [Mila Halgren](#), [Laura Marzetti](#), [J. Matias Palva](#)

Location: [Lumituuli](#)

24. Perceiving into the future - how internal states shape perception

[Iria SanMiguel](#), [Ashley Lewis](#), [Roy Mukamel](#), [Cristina Becchio](#)

Location: [Palaver](#)

25. Novel approaches to dynamics, development and dysfunction of attention networks

[Prof. Kimmo Alho](#), [Dr. Mohsen Alavash](#), [Dr. Patrik Wikman](#), [Dr. Juha Salmi](#), [Prof. Gaia Scerif](#)

Location: [Takka](#)

26. The brain in complex social contexts

[Yoni Levy](#), [Ville Harjunen](#), [Niloufar Zebarjadi](#), [Prof. Abraham Goldstein](#)

17:00-19:00 Symposia session IX

Location: [Kaleva-sali](#)

27. Learning more from neural data: New methods to improve our understanding of perception and memory

[Jelmer Borst](#), [Elkan Akyürek](#), [Linda Geerligs](#), [Jochem Rieger](#), [Diego Vidaurre](#)

Location: [Lumituuli](#)

28. An exploration of the multi-scale and multi-dimensional dynamics of consciousness and cognitive processes

[Dr. Jacobo Sitt](#), [Dr. Tristan Bekinschtein](#), [Dr. Damian Cruse](#), [Dr. Victoria Leong](#)

Location: [Palaver](#)

29. Feeling and being in control: Interactions between monitoring and controlling our thoughts and actions

[Nura Sidarus](#), [Eva Van den Bussche](#), [Gethin Hughes](#), [Annika Boldt](#), [Andrew Westbrook](#)

Sunday 22.5

9:00-11:00 Symposia session X

Location: [Kaleva-sali](#)

30. **On the Ups and Downs of Visual Perception**

[Biyu Jade He](#), [Ying Joey Zhou](#), [Lucia Melloni](#), [Ayelet Landau](#), [Laura Dugué](#), Saskia Haegens, Floris de Lange

Location: [Lumituuli](#)

31. **Midline structures in explicit memory: Is there a hippocampus-independent route to cortical engrams?**

[Dr. Svenja Brodt](#), [Dr. Björn H. Schott](#), [Dr. Jasmin Kizilirmak](#)

Location: [Palaver](#)

32. **New Insights into the Contributions of Multiple Memory Systems to Learning**

[Professor Carol Seger](#), Research Associate G. Elliott Wimmer, Postdoctoral Scholar Lisa M. Wirz, Associate Professor Tyler H. Davis

Location: [Takka](#)

33. **What can deafness and blindness tell us about cognition?**

[Velia Cardin](#), [Davide Bottari](#), [Josefine Andin](#), [Stefania Benetti](#), [Amir Amedi](#)

15:00-17:00 Symposia session XI

Location: [Kaleva-sali](#)

34. **The predictive brain: How expectations influence perception, attention and action**

[Dr. Peter Kok](#), [Dr. Heleen Slagter](#), [Dr. Uta Noppeney](#), [Dr. Máté Lengyel](#)

Location: [Lumituuli](#)

35. **Alterations in oscillation dynamics in understanding pathophysiology of brain diseases**

[Jaana Simola](#), [Marina Diachenko](#), [Ehtasham Javed](#), [David López-Sanz](#), [Hanna Renvall](#)

Location: [Palaver](#)

36. **Dynamic Metacognition**

[Dr Kobe Desender](#), [Dr Annika Boldt](#), [Dr Lucie Charles](#), [Dr Shannon Locke](#), [Dr Romy Frömer](#)

Location: [Takka](#)

37. **ConnectToBrain: Closed-loop multi-locus TMS for modification of cognitive processes**

[Prof. Risto Ilmoniemi](#), [Prof. Vittorio Pizzella](#), [Dr. Pedro Gordon](#), Prof. Gian Luca Romani, [Prof. Ulf Ziemann](#)