

Programme Overview

| UTC | JST | PDT | EDT | BST | CEST | Saturday, September 4 th , 2021 | Sunday, September 5 th , 2021 | Monday, September 6 th , 2021 | Tuesday, September 7 th , 2021 | Wednesday, September 8 th , 2021 |
|---------|--------------|--------|---------|---------|---------|---|--|--|--|---|
| | | | | | 10:00am | | POSTERS <i>Only ON-SITE</i> | POSTERS <i>Only ON-SITE</i> | POSTERS <i>Only ON-SITE</i> | |
| | | | | | 11:15am | | | | EBBS AGM | |
| | | | | | 11:30am | | | | | |
| 9:45am | 6:45pm | 2:45am | 5:45am | 10:45am | 11:45am | | A roadmap to translation of circuit neuroscience Hot Topic led by Camilla Bellone, Christian Lüscher, with Aryn Gittis and Botond Roska <u>Chair:</u> C. Sandi Supported by NCCR Synapsy | Machine Learning & Neuroscience Hot Topic led by Wulfram Gerstner, with Mackenzie Mathis, Pavan Ramdya and Nadine Gogolla <u>Chair:</u> M. Schmidt Supported by EPFL-Brain Mind Institute | Symposium Awarded Young Investigators Part 1 Introduction: T. Bale Simon Chang Hui-Kuan Chung Davide Albertini Marie Labouesse Sylvie Lesuis <u>Chairs:</u> C. Sandi, A. Berry, M. Schmidt Supported by IBRO-PERC | |
| 10:00am | 7:00pm | 3:00am | 6:00am | 11:00am | 12:00pm | | | | | |
| 11:00am | 8:00pm | 4:00am | 7:00am | 12:00pm | 1:00pm | | <i>Break</i> | <i>Break</i> | <i>Break</i> | |
| 11:30am | 8:30pm | 4:30am | 7:30am | 12:30pm | 1:30pm | Kavli Opening Lecture Neural network dynamics of entorhinal grid cells Edvard Moser <u>Chairs:</u> C. Sandi, M. Schmidt <u>Discussant:</u> P. Lavenex, A. Mathis | Plenary Lecture Stress-induced acetylcholine signaling in the hippocampus: too much of a good thing Marina Picciotto <u>Chair:</u> A. Easton <u>Discussants:</u> M. Masana, C. Lüscher | Plenary Lecture Behavioural and neural basis of instinctive escape Tiago Branco <u>Chair:</u> F Zoratto <u>Discussants:</u> K. Sidiropoulou, S. Thompson | Symposium Awarded Young Investigators Part 2 Niels Niethard Alicja Puścian Silvana Valtcheva Mattia Chini <u>Chairs:</u> C. Sandi, A. Berry, M. Schmidt Supported by IBRO-PERC | |
| 12:15pm | 9:15pm | 5:15am | 8:15am | 1:15pm | 2:15pm | <i>Break</i> | <i>Break</i> | <i>Break</i> | <i>Break</i> | |
| 12:25pm | 9:25pm | 5:25am | 8:25am | 1:25pm | 2:25pm | Symposia ➤ Tracking the acute stress response from basic research to clinical translation ➤ Neural circuit function and behavior during development ➤ Cortical subcortical interactions underlying cognition | Symposia ➤ Thalamic regulation of emotional memory ➤ From sex to rage: understanding the female brain (AC Immune SA / Global BBP Brain Trust) ➤ Single-cell omics meets behavior: opportunities and challenges | Symposia ➤ Early-life origins and sex-dependence of vulnerability to eating disorders ➤ Broadening our conception of habit to improve translational validity ➤ The Neurobiology of Mammalian Vector Coding: Boundaries, Objects, Goals and Abstract Spaces | Symposia ➤ Neural mechanisms underlying social behavior ➤ Neurobiological underpinnings of psychiatric disorders and their treatment ➤ Human brain evolution beyond the cerebral cortex | |
| 1:45pm | 10:45pm | 6:45am | 9:45am | 2:45pm | 3:45pm | <i>Break</i> | <i>Break</i> | <i>Break</i> | <i>Break</i> | |
| 2:00pm | 11:00pm | 7:00am | 10:00am | 3:00pm | 4:00pm | Symposia ➤ Developmental origins of neuropsychiatric disorders: many roads, common mechanisms ➤ The Hippocampus and Remote Memory ➤ Novel statistical and machine learning techniques to assess inter-individual behavioral variability | Symposia ➤ Brain basis of interoceptive mechanisms in adaptive and maladaptive behavior ➤ Memory aids on the chromatin? Deciphering epigenetic modifications during memory formation ➤ Do we understand human aggressive behavior? In the search for brain mechanisms towards effective rehabilitation | Symposia ➤ Neural substrates underlying post-traumatic stress disorder symptomatology and vulnerability ➤ Neural mechanisms of real-world social interactions and their development measured with fNIRS ➤ Learning and cognitive control in the orbitofrontal cortex | Closing Lecture The Geometry of Decision Making Iain Couzin <u>Chair:</u> I. Branchi <u>Discussants:</u> L. Schwabe, P. Ramdya (Tianqiao and Chrissy Chen Institute Lecture) | POSTERS <i>Only ONLINE</i> |
| 2:45pm | 11:45pm | 7:45am | 10:45am | 3:45pm | 4:45pm | | | | Closing ceremony | |
| 3:25pm | 12:25am | 8:25am | 11:25am | 4:25pm | 5:25pm | <i>Break</i> | <i>Break</i> | <i>Break</i> | | |
| 3:35pm | 12:35am | 8:35am | 11:35am | 4:35pm | 5:35pm | Conference opening by Carmen Sandi & Mathias Schmidt ONLINE | Plenary Lecture Neural underpinnings of social homeostasis Kay Tye <u>Chair:</u> M. Schmidt <u>Discussants:</u> M. Koehl, C. Bellone | Plenary Lecture Extracellular vesicles as systemic stress signals: Identifying novel mechanisms of trauma impacting neurodevelopment Tracy Bale <u>Chair:</u> A. Korosi <u>Discussants:</u> A. Christakou, T. Z. Baram | | |
| | | | | | 5:45pm | Reception <i>Only ON-SITE</i> | | | | |
| 4:20pm | 1:20am (+1d) | 9:20am | 12:20pm | 5:20pm | 6:20pm | | ALBA Networking Reception <i>Only ON-SITE</i> | | | |
| | | | | | 7:30pm | | | Conference Dinner <i>Only ON-SITE</i> | | |