Virtual Conference on Emerging Perspectives in Clinical Brain Research

Registration:

Hertie Institute for Clinical Brain Research (HIH)
Otfrid-Müller-Str. 27
72076 Tübingen
Germany

Updated: 06. October 2020
PROGRAM

Thursday, October 15 (all times refer to CEST)

09:45 - 10:00 Welcome to the Conference
Prof. Holger Lerche (HIH)

SESSION 1: Molecular and Cellular Diagnosis and Therapy

10:00 - 10:05 Welcome to Session 1
Hosts: Prof. Holger Lerche & Prof. Ulrike Naumann (HIH)

10:05 - 10:45 Keynote Talk
Prof. Nathalie Cartier-Lacave (Institut du Cerveau, Paris)

10:50 - 11:15 Dr. Michael Heide (Max Planck Institute of Molecular Cell Biology and Genetics MPI-CPG, Dresden)
Neocortex expansion in human development and evolution and its malformations

11:20 - 11:45 Dr. Andreas Lieb (Medical University Innsbruck)
Designer Receptor Gene Therapy targeting focal Epilepsy (and beyond)

12:00 - 12:25 Dr. Gaia Colasante (San Raffaele Hospital, Milano)

12:30 - 12:55 Dr. Marco Peviani (University of Pavia)
Towards development of theranostic platforms to investigate and modulate neuroinflammation in Amyotrophic Lateral Sclerosis

13:00 - 13:30 Discussion: Live Q&A with Session 1 speakers

www.hih-tuebingen.de
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SESSION 2: Neuroprosthetics and Innovative Neurotechnologies

14:00 - 14:05 Welcome to Session 2
Hosts: Prof. Hans-Peter Thier & Prof. Ulf Ziemann (HIH)

14:05 - 14:45 Keynote Talk
Prof. John Donoghue (Brown University, Providence)
TTBA

14:50 - 15:15 Dr. Nir Grossmann (Imperial College, London)
Noninvasive deep brain stimulation via temporally interfering electric fields

15:20 - 15:45 Dr. Emiliano Ronzitti (Sorbonne University, Paris)
Light shaping for interrogating neuronal circuits

16:00 - 16:25 Dr. Nikolaus Wenger (Charité, Berlin)
Neuroprosthetic systems to restore locomotion after spinal cord injury

16:30 - 17:10 Dr. Sliman Bensmaia (University of Chicago)
Biological and bionic hands: Natural neural coding & artificial perception

17:15 - 17:45 Discussion: Live Q&A with Session 2 speakers

NETWORKING LOUNGE

17:45 - 18:30 Get Together in Zoom Sessions
**Friday, October 16** (all times refer to CEST)

**SESSION 3: Data Science in Clinical Brain Research**

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| 09:00 - 09:05 | Welcome to Session 3  
Hosts: Prof. Ghazaleh Tabatabai & Prof. Martin Giese (HIH)          |
| 09:05 - 09:45 | Keynote Talk  
Prof. Jakob Macke (University of Tübingen)  
TTBA             |
| 09:50 - 10:30 | Keynote Talk  
Dr. Sach Mukherjee (German Center for Neurodegenerative Diseases,  
DZNE, Bonn)  
Machine learning challenges in next-generation biomedicine     |
| 10:35 - 11:00 | Dr. Catherine Jutzeler (ETH Zürich)  
Pharmacological management after spinal cord injury: An opportunity for  
drug repurposing                                               |
| 11:15 - 12:10 | Vittorio Caggiano (TTBA)                                 |
| 12:15 - 12:45 | Discussion: Live Q&A with Session 3 speakers               |

**PANEL DISCUSSION**

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<td>13:00 - 14:00</td>
<td>Discussion on Emerging Perspectives in Clinical Brain Research</td>
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<tr>
<td>14:00 - 14:10</td>
<td>Closing Remarks &amp; Resumee</td>
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