

## The Brain Conferences

### Brain Stroke: Why, How, and Hope

24 – 27 October 2021

[Rungstedgaard](#), Denmark

#### PRELIMINARY PROGRAMME

| Sunday, 24 October 2021                       |   |
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| From 14:15                                    | Arrival and registration  |
| 14:50-15:00                                   | Welcome and opening remarks from the Conference Chairs  |
| <b>Risk factors. Genes and the microbiome</b> |   |
| 15:00-15:40                                   | <b>Matthias Endres</b> , Charité – Universitätsmedizin Berlin, Germany<br>The burden of stroke: worldwide challenge and regional concepts |
| 15:40-16:20                                   | TBA   |
| 16:20-16:40                                   | Afternoon snack   |
| 16:40-17:20                                   | <b>Martin Dichgans</b> , Institute for Stroke and Dementia Research, Germany<br>Stroke Genetics: from GWAS to targeted interventions      |
| 17:20-18:00                                   | <b>Josef Anrather</b> , Weill Cornell Medicine, USA<br>Intestinal Immune Cells in Stroke Immunity   |
| 18:20-18:40                                   | Short talk by Susanne Wegener, University Hospital Zurich and University of Zurich, Switzerland   |
| 19:00-21:30                                   | Welcome Drink & Dinner  |

## Monday, 25 October 2021

### Damage: Molecular pathology, immunity, BBB breakdown

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| 09:00-09:40 | <b>Arthur Liesz</b> , Institute for Stroke and Dementia Research, Germany<br>Immunity after stroke: the central and peripheral immune response                         |
| 09:40-10:20 | <b>Lauren Sansing</b> , Yale School of Medicine, USA<br>Transcriptomics in ischemic and hemorrhagic stroke   |
| 10:20-10:50 | Group Picture and Coffee Break   |
| 10:50-11:30 | <b>Dritan Agalliu</b> , Columbia University, USA<br>The Molecular and Cell Biological Mechanisms of Blood-Brain Barrier Dysfunction in Ischemic Stroke                 |
| 11:30-12:10 | <b>Marion Buckwalter</b> , <b>Stanford University, USA</b><br>Adaptive immunity and long term stroke sequelae  |
| 12:10-12:30 | Short talk by Corinne Benakis, Institute for Stroke and Dementia Research (ISD), Germany   |
| 12:30-14:00 | Lunch  |
| 14:00-15:00 | <a href="#">2019 Brain Prize Awardee Keynote Address</a><br><b>Marie-Germaine Bousser</b> , Hospital Lariboisière, France<br>The Discovery of CADASIL: lessons learned |
| 15:00-15:30 | <b>Poster Highlights I</b> (14 presentations, 2 min. each)   |
| 15:30-17:45 | <b>Poster Session I with Afternoon Snack</b>   |
| 17:45-18:15 | Group Discussion<br>Discussion leaders: <b>Martin Lauritzen</b> , University of Copenhagen, Denmark & <b>Bo Norrving</b> , Lund University, Sweden                     |
| 19:15-21:30 | Dinner   |

**Tuesday, 26 October 2021**

**Recovery: Neurovascular reorganization and sprouting**

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| 09:00-09:40 | <b>Timothy Murphy</b> , The University of British Columbia, Canada<br>Mesoscale connectivity changes after stroke and novel mouse models                                  |
| 09:40-10:20 | <b>Craig E. Brown</b> , University of Victoria, Canada<br>Deciphering the role of dis-inhibitory cortical circuits in stroke recovery                                     |
| 10:20-11:00 | <b>Coffee break</b>   |
| 11:00-15:00 | Box Lunch, outing to <a href="#">Louisiana Museum</a>   |
| 15:15-15:55 | <b>Stanley Thomas Carmichael</b> , University of California, Los Angeles, USA<br>Molecular Memory Systems in Stroke Recovery  |
| 15:55-16:35 | <b>Raj Ratan</b> , Burke Neurological Institute, Weill Cornell Medicine, USA<br>Adaptive transcriptional mechanisms promote recovery from ischemic and hemorrhagic stroke |
| 16:35-17:15 | <b>Diane Lagace</b> , University of Ottawa, Canada<br>Role of endogenous stem cell-generated neurons and astrocytes in stroke recovery                                    |
| 17:15-17:45 | <b>Poster Spotlights II</b> (14 presentations, 2 min. each)   |
| 17:45-19:25 | <b>Poster Session II with Afternoon Snack</b>   |
| 19:30-21:30 | Dinner  |

**Wednesday, 27 October 2021**

**Long term outcomes, overlap with dementia, CADASIL**

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| 09:00-09:40  | <b>Costantino Iadecola</b> , Weill Cornell Medicine, USA<br>Overlap between vascular and neurodegenerative dementia: from bench to bedside   |
| 09:40-10:20  | <b>Stéphanie Debette</b> , University of Bordeaux, France<br>Genetic epidemiology of cerebral small vessel disease: implications for prevention of stroke and dementia                 |
| 10:20-10:50  | Coffee Break   |
| 10:50-11:30  | <b>Katerina Akassoglou</b> , Gladstone Institute of Neurological Disease/UCSF, USA<br>BBB dysfunction and immunity   |
| 11:30-12:10  | <b>Chris Schaffer &amp; Nozomi Nishimura</b> , Cornell University, USA<br>Cerebral hypoperfusion and amyloid beta pathology: A vicious cycle in the progression of Alzheimer's disease |
| 12:10-12:30  | Short talk by Søren Grubb, University of Copenhagen, Denmark   |
| 12:30-14:00  | Lunch  |
| <b>Prevention, therapy, and promoting recovery</b> |  |
| 14:00-14:40  | <b>Grethe Andersen</b> , Aarhus University, Denmark<br>The promise of stroke   |
| 14:40-15:20  | <b>Karen Furie</b> , Brown University, USA<br>Frontiers in stroke therapeutics   |
| 15:20-15:50  | Coffee Break   |
| 15:50-16:30  | <b>Steven C. Cramer</b> , University of California, Los Angeles, USA<br>Promoting Recovery After Stroke in Humans  |
| 16:30-17:10  | <b>Zaal Kokaia</b> , Lund University, Sweden<br>Cell therapy for stroke recovery: present and future   |
| 17:10-17:30  | Short talk by Henriette Busk, Zealand University Hospital, Denmark   |
| 17:30-18:00  | Group discussion<br>Discussion leaders: <b>Martin Lauritzen</b> , University of Copenhagen, Denmark & <b>Bo Norrving</b> , Lund University, Sweden                                     |
| 19:30-22:00  | Gala Dinner & Poster Awards  |