

BIOCENTER OULU DAY 2022

Miraculous matter: Recent advances in neuroscience

Time Wednesday April 27, 2022 at 8.30-16.10
Place Leena Palotie Auditorium 101A in the Main Building of the Medical Campus,
 University of Oulu, Oulu, Finland
Chairpersons Aleksi Sutinen and Abhishek Singh

PROGRAMME

Session 1: *Glial cells in brain homeostasis*

- 08.30-08.40 Opening remarks
Chairperson of the Organizing Committee, Biocenter Oulu
- 08.40-08.50 Welcome
Prof. Johannes Kettunen, Director of Focus Institute Biocenter Oulu
- 08.50-09.25 **Šárka Lehtonen**, UEF, FIN
“Role of glial cells in Parkinson’s Disease”
- 09.25-10.00 **Julia Edgar**, University of Glasgow, UK
“Oligodendrocytes in axonal health”
- 10.00-10.05 10x Genomics, Jouni Rantanen
- 10.05-10.45 *Coffee at the exhibition area*

Session 2: *Novel Approaches in Neurodegeneration*

- 10.45-10.50 Promega, Rasmus Sörensen
“Maxwell – your tool for perfect nucleic acid purification”
- 10.50-11.25 **Vesa Kiviniemi**, UO, FIN
“Novel Imaging Techniques in Alzheimer’s disease Research”
- 11.25-12.45 *Lunch break and exhibition*

Session 3: *Brain Clearance Pathways*

- 12.45-12.55 Finnadvance, Prateek Singh
- 12.55-13.30 **Roxana Carare**, University of Southampton, UK
“Role of extracellular-matrix in brain clearance”
- 13.30-14.00 *Coffee at the exhibition area*
- 14.00-14.35 **Iben Lundgaard**, Lund University, SWE
“Brain wide clearance system-Glymphatic System”

Session 4: *Neurodegenerative Disorders and Therapeutic Interventions*

- 14.35-15.15 **Heikki Tanila**, UEF, FIN
“Recent advances in Alzheimer’s Disease Research”
- 15.15-15.55 **Mart Saarma**, University of Helsinki, FIN
“Neurotrophic Factors and their therapeutic applications”
- 15.55-16.10 General discussion and concluding remarks