



Glio- and neurotransmitters: significance in brain disease

CMBN Symposium at the Norwegian Academy of Science and Letters 10th of February 2012

The symposium is organized by the Centre for Molecular Biology and Neuroscience (CMBN), University of Oslo (UiO), to highlight the emerging importance of the roles of glia-neuronal interactions in brain function and disease processes.

- 11:45 Arrive – *Refreshments, Coffee, Tea*
- 12:00 Welcome by Linda H. Bergersen / Jon Storm-Mathisen (CMBN & UiO)
- 12:10 J. Victor Nadler (Duke University, Durham NC)
<http://pharmacology.mc.duke.edu/faculty/nadler.htm>
Aspartate release and signaling in the brain
- 12:35 Albert Gjedde (University of Copenhagen)
<http://forskning.ku.dk/search/profil/?id=52543>
DOPA transmission – a novel monoaminergic mechanism of depression and dyskinesia in Parkinson's disease
- 13:00 Anders Björklund (Lund University, Sweden)
http://www.med.lu.se/exp/med/neurobiology/members/anders_bjoerklund
Use of stem cells for dopamine cell replacement i Parkinson's disease
- 13:25 Espen Dietrichs (Oslo University Hospital) <http://ous-research.no/home/dietrichs/home/6490>
How does deep brain stimulation work in movement disorders?
- 13:50 *Refreshments, Coffee, Tea*
- 14:10 David Attwell (University College London, UK) <http://www.ucl.ac.uk/npp/research/da>
The energetics of CNS white matter
- 14:35 Erlingur Johannsson (University of Iceland) <https://english.hi.is/simaskra/4194>
Effects of a 6-month multimodal training intervention on retention of functional performance, body composition and metabolic syndrome factors in older adults
- 15:00 Vidar Steen (University of Bergen, Norway) <http://www.uib.no/personer/Vidar.Steen>
Lipogenic effects of antipsychotic drugs in glial cells: relevance for therapeutic efficacy?
- 15:25 Ursula Sonnewald (NTNU, Norway) <http://www.ntnu.no/ansatte/ursula.sonnewald>
Glia-neuronal interplay of transmitters and metabolic intermediates – relevance for brain diseases
- 15:50 Farrukh A Chaudhry (UiO) <http://www.biotek.uio.no/english/research/groups/chaudhry-group/>
Glutamate and GABA recycling through glutamine – what is the significance?

- 16:15 *Refreshments, Coffee, Tea*
- 16:35 Magnar Bjørås (OUS) <http://www.cmbn.no/group-bjoras.html>
DNA repair deficiency in neurodegeneration
- 17:00 Robert H Edwards (University of California San Francisco)
<http://pdcenter.neurology.ucsf.edu/faculty-staff/edwards-robert>
The membrane interactions of alpha-synuclein
- 17:25 Reidun Torp (UiO, CMBN) <http://www.med.uio.no/imb/english/people/aca/torp/index.html>
Understanding plaque formation in models of Alzheimer's disease by use of microscopic techniques
- 17:50 Tone Tønjum (UiO, CMBN) <http://www.cmbn.no/group-tonjum.html>
Glial responses to bacterial meningitis
- 18:15 Ole Petter Ottersen (UiO, CMBN) <http://www.uio.no/english/people/leadership-team/olep/index.html>
New insight in the homeostatic roles of astrocytes
- 18:40 End of Symposium
- 19:00 Dinner (by special invitation)