

Honorary Symposium on Glymphatics - 2024 Stig Nyström Prize in Neurosurgery

Date and time: 13.6.2024, 12-14:35

Place: Lecture hall 1, Oulu University Hospital

Zoom (Meeting ID 625 5539 5452, passcode 1924)

12:00 Opening words and greetings

Prof. Mikael von und zu Fraunberg

12:15 Imaging, sensing and treating glymphatic solute transport

Prof. Vesa Kiviniemi

12:45 Hydrocephalus - a glymphatic disorder?

Prof. Ville Leinonen

13:15 Glymphatic-assisted CNS drug delivery

Associate Prof. Tuomas Lilius

13:45 The Honorary Nyström Lecture: Cerebrospinal fluid
disturbances in neurosurgical diseases: From pulsatile
intracranial pressure to glymphatic dysfunction

Prof. Per Kristian Eide

14:30 Closing words

Prof Vesa Kiviniemi and Prof Fraunberg



Stig Henning Mikael Nyström (14 July 1924 Helsinki – 15 November 2018 Helsinki) was the first full professor of neurosurgery in Finland. Nyström specialized in neurosurgery in Helsinki in 1962 and continued his studies at Harvard University from 1963 to 1965. He held the neurosurgery professorship at the University of Oulu from 1976 to 1989. His research focused on various topics, including brain tumors and epilepsy surgery. Additionally, he was a distinguished painter and held around 40 art exhibitions.

The Honorary Nyström Lectures

Prof. Yuji Miyazaki, Sapporo, Japan: Aneurysm surgery

Eng. Andreas Koehler, Boston MA, USA: Stereotactic treatment with cyclotron

Prof. Helge Nornes, Oslo, Norway: Cerebral hemodynamics from the neurosurgical point of view

1988 Prof. Edvard I. Kandel, Moscow, USSR: Surgical treatment of cerebral AVM

1994 Prof. Shelley N. Chou, Minneapolis MN, USA: Neurosurgery as a scientific discipline

1998 Prof. David G.T. Thomas, London, Great Britain: Can biology help in the treatment of gliomas?

2000 Prof. Ivar Langmoen, Stockholm, Sweden: Advances in epilepsy research

2006 Prof. Rudolf Fahlbusch Hannover, Germany: Intraoperative visualization of brain tumor: Significance of intraoperative MRI

2015 Prof. John Koivukangas, Oulu, Finland: On the interfaces of brain surgery

2019 Prof. Peter Hutchinson, Cambridge University, Neurosurgery, UK: Global neurotrauma outcomes

2024 Prof. Per Kristian Eide, University of Oslo, NO: Cerebrospinal fluid disturbances in neurosurgical diseases: From pulsatile intracranial pressure to glymphatic dysfunction