



Final Program Schedule
ASNR CSF Flow Group / IHIWG Meeting
Wednesday, June 6 – Thursday, June 7, 2018
Vancouver Convention Centre East
Vancouver, BC, Canada



WEDNESDAY, JUNE 6TH

Breakfast with all ASNR attendees - Meeting Room A

Welcome: 8:00-8:05 am Hal Rekate

Chiari I (part 1): 8:05-9:00 am Session chair: Hal Rekate
08:05 Jim Barkovich "Chiari definition, craniocervical junction"
08:35 Vic Haughton "CSF dynamics in the pathogenesis of syringomyelia"

How to Session/Morning Break

Chiari I (part 2): 10:30-12:00 am Session chair: Ari Blitz
10:30 Concezio di Rocco "The Chiari anomaly"
11:00 Charles Raybaud "The Chiari deformity"
11:30 Ash Singhal "Clinical assessment of Chiari I"

Lunch

Hydrocephalus: 1:15-2:45 pm Session chair: Frank Mihlon
01:15 Ari Blitz "Classification of hydrocephalus"
01:35 Mark Wagshul "The effect of shunt failure and revision on brain stiffness"
01:55 John III Huston "MR elastography differentiates NPH from other common dementias"
02:15 Pat McAllister "Advanced neuroimaging in infant ferrets with post-hemorrhagic hydrocephalus: DTI, DBSI, and MRE"

Afternoon Break

CSF pulsatility: 3:00-4:30 pm Session chair: Olivier Balédent
03:00 Nicole Keong "Morphology of DTI profiles in NPH"
03:20 Juan Lasheras "SAVE - a strain-accumulation visco-elastic hypothesis for the onset of normal pressure hydrocephalus"
03:40 Per Kristian Eide "Intracranial pulsatility and CSF flow in NPH"
04:00 Harold Rekate "Separating the effects of pulsation and resistance to flow in hydrocephalus"
04:20 Discussion

CNS solute transport part 1: 4:45-6:15 pm Session chair: Vartan Kurtcuoglu
04:45 Lynne Bilston "Modelling of perivascular flow"
05:05 Keith Sharp "Numerical modeling predicts that basement membrane solute transport in the CNS cannot be explained by bulk flow nor by shear-augmented dispersion"
05:25 Daniel Reich "Human and nonhuman primate meninges harbor lymphatic vessels that can be visualized noninvasively by MRI"
05:45 Steven Proulx "Outflow of CSF is predominantly through lymphatic vessels in mice"
06:05 Discussion



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THURSDAY, JUNE 7TH

Breakfast with all of ASNR attendees - Meeting Room A

CNS solute transport part 2: 8:00-9:00 am Session chair: Bryn Martin
08:00 Roxana Aldea “Modelling cerebral interstitial flows and their failure in Alzheimer’s disease”
08:20 Vartan Kurtcuoglu “Next steps in the study of CNS solute transport”
08:40 Vegard Vinje “ICP modeling during infusion test”

How to Session/Morning Break

CSF flow: 10:30-12:00 pm Session chair: Mark Wagshul
10:30 Olivier Baledent “CSF flow versus cerebral blood flow”
10:50 Claudia Kirsch “Volumetric assessment of IHH”
11:10 Bryn Martin “Steady streaming: Computational fluid dynamics predicts non-zero time averaged intrathecal CSF flow”
11:30 Discussion *Closing remarks and invitation to IHIWG at Hydrocephalus 2018 in Bologna*