Improving Outcomes in Hydrocephalus:
Bridging the Gap between Basic Science and Clinical Management
September 14-15, 2009, Hyatt Regency, Baltimore, MD, USA
Sponsored by the NIH, the Hydrocephalus Association and STARS-kids

Agenda

Monday, September 14, 2009

Plenary Session 1: CSF Circulation Moderator Hazel C. Jones, PhD		
Time	**Speaker**	**Title of Presentation**
8:00	Miles G. Johnston, PhD	Disruption of beta-1 integrin-matrix interactions in the brain is implicated in the development of communicating hydrocephalus
8:45	Deborah M. Grzybowski, PhD	Arachnoid pathways for CSF absorption
9:30	Conrad E. Johanson, PhD	Choroid plexus pathophysiology: Implications for CSF dynamics and brain fluid balance
10:15	Break	
10:45	Petra M. Klinge, MD, PhD	Role of CSF circulation in protein clearance in Alzheimer's disease and Normal Pressure Hydrocephalus
11:30	Panel – all speakers	
12:00	Lunch	
Plenary Session 2: Intracranial Pressure and Pulsatility – Moderator Marion L. "Jack" Walker, MD		
Time	**Speaker**	**Title of Presentation**
13:00	Mark E. Wagshul, PhD	The role of CSF and cerebrovascular pulsatility injury mechanisms
13:45	Joseph R. Madsen, MD	The "notch" filter as a mechanism to modulate intracranial pulsatility
14:30	Break	
15:00	Per Kristian Eide, MD, PhD	Pulse pressure and outflow resistance in clinical decision-making
15:45	Roberta P. Glick, MD	Non-invasive measurements of intracranial compliance
16:30	Panel – all speakers	
17:00	Adjourn	

Tuesday, September 15, 2009

Plenary Session 3: Animal Models of Hydrocephalus – Moderator Marc R. Del Bigio, MD, PhD		
Time	**Speaker**	**Title of Presentation**
8:00	Ken D. McCarthy, PhD	New double-transgenic mouse model of astrocyte-induced hydrocephalus
8:45	James P. "Pat" McAllister, PhD	New models of acquired communicating hydrocephalus
9:30	Esteban C. Rodriquez, PhD	Disruption of neuroepithelium/ependyma leads to hydrocephalus and abnormal neurogenesis
10:15	Break	
10:45	Stephen M. Dombrowski, PhD	Adult models of Normal Pressure Hydrocephalus and the role of vascular endothelial growth factor
11:30	Panel – all speakers	
12:00	Lunch	
Breakout Sessions		
13:00	Breakout 1 – CSF Circulation: Moderators Hazel C. Jones, PhD and Conrad E. Johanson, PhD	
13:50	Breakout 2 – ICP & Pulsatility: Moderators Mark E. Wagshul, PhD and Joseph R. Madsen, MD	
14:40	Breakout 3 – Animal Models: Moderators Stephen M. Dombrowski, PhD and James P. "Pat" McAllister, PhD	
15:50	Summary and Entire Group Discussion: Moderators Michael A. Williams, MD and Dory Kranz	
17:00	Adjourn	

Information:

- http://hydrocephalus2009.com/nih/welcome
- **E-mail** Pat McAllister