Thursday, May 22, 2014
11:00am – 1:00pm

Seminar on The Concepts of “Glymphatics”

11:00am – 11:10am Jonathan J. Stone, MD (Rochester Group)
11:15am – 11:25am Jeffrey Iliff, PhD (online)
11:30am – 11:40am Roy Weller, PhD (online)
11:45am – 11:55am Vartan Kurtcuoglu, PhD (online)
12:00pm – 1:00pm Round table discussion...

with Jonathan J. Stone, MD, Jeffrey Iliff, PhD, Roy Weller, PhD, Vartan Kurtcuoglu, PhD, PhD, Charles A. Raybaud, MD, Aristotelis Filippidis, MD, PhD, Harold Rekate, MD, Pat McAllister, PhD, Bryn Martin, PhD and others

1:00pm – 1:30pm

Lunch Service (Box Lunches provided)

Welcome
- Harold L. Rekate, MD and
  William G. Bradley Jr. MD, PhD, FCR

Journal/Monograph Proposal
- Aristotelis Filippidis, MD, PhD

Session I
1:15pm – 3:30pm

What Can We Expect From CSF Flow Studies?

1:15pm – 1:45pm Points of Flow Restriction
- Harold L. Rekate, MD

Can We Measure Restriction of Flow?

1:45pm – 2:00pm How does TimeSLIP work?
- Erin Kelly, PhD

2:00pm–2:30pm Utility of the “Time-Slip” Method of Measuring Flow
- J. Gordon McComb, MD

2:30pm – 2:50pm Alternative Methods: Pros and Cons
- William G. Bradley, Jr., MD, PhD, FCR

2:50pm – 3:10pm Respiratory Driven CSF Motion
- David Feinberg, MD, PhD

3:10pm – 3:30pm Flow-MRI and Interpretation of Flow Dynamics
- Olivier Baledent, PhD

3:30pm – 4:00pm Afternoon Break with Discussion
Thursday, May 22
(continued)

Session II
4:00pm – 5:30pm

Keynote Speech
What Have We Learned from Fetal MRI
Charles A. Raybaud, MD

Resting State Functional MRI/Connectivity
in Infantile Hydrocephalus
David Limbrick, MD (online)

Model-based, Noninvasive Intracranial Pressure Estimation for
Hydrocephalus Patients
Thomas Heldt, PhD

Open Discussion

7:00pm – 10:00pm

Physics and Utility of Time-Slip Measurements Seminar and Dinner
Shinya Yamada, MD
Nancy Gillen, Toshiba
William G. Bradley, Jr., MD, PhD, FACR, Moderator
Friday, May 23, 2014

Session III
8:00am – 10:00am

8:00am – 8:30am
Continental Breakfast

8:30am – 8:50am
New Thoughts and New Techniques
Keynote Talk
The Role of Venous Stenosis in Adult Hydrocephalus
- Grant A. Bateman, MD

8:50am – 9:10am
Biophysics of CSF from an Engineer's Point of View
- Bryn A. Martin, PhD

9:10am – 9:30am
MR Elastography in the Brain
- Mark Wagshul, PhD

9:30am – 10:00am
Connectivity in Epilepsy
- Ashe Mehta, MD, PhD

10:00am – 10:30am
Coffee Break

Session IV
10:30am – 12:00pm

10:30am – 10:50am
Keynote Address
Utility of MRI in Assessing Animal Models of Hydrocephalus
- Pat McAllister, PhD

10:50am – 11:10am
Aquaporin 4, Myths and Reality in the Pathophysiology of CSF Disorders
- Aristotelis Filippidis MD, PhD

11:10am – 11:30am
CSF Flow at the Foramen Magnum
- Kent Andre Mardal, PhD (online)

11:30am – 12:00pm
Discussion

12:00pm – 1:00pm
Lunch Service (box lunches provided)
**Friday, May 23**  
(continued)

### Session V  
**1:00pm – 3:00pm**

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| 1:00pm – 1:30pm | **Keynote Speaker**  
Utility and Practice of Intraoperative MRI  
- Jean Pierre Farmer, MD |
| 1:30pm – 2:00pm | Neuroradiology in the Operating Room  
- To be Announced in Montreal |
| 2:00pm – 3:00pm | Open Abstracts |

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<tr>
<td>3:00pm – 3:30pm</td>
<td><strong>Afternoon Break</strong></td>
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### Session VI  
**3:30pm – 5:30pm**

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| 3:30pm – 5:30pm | **Pot Pourri**  
Volumetric DESH vs Aqueductal Stroke Volume for NPH  
- William G Bradley, Jr., MD, PhD, FACR  
Surgery for Adult Hydrocephalus Evaluated by CISS Flow Studies  
- Daniele Rigamonti, MD, FACS  
General Discussion: Plans for the Future and Case Presentations  
CSF Over Production  
Whack-a-Mole  
- Harold L. Rekate, MD |

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<tr>
<td>5:00pm – 5:30pm</td>
<td><strong>Program Conclusion and Invitation to Bristol</strong></td>
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