

**James S. McDonnell Foundation 21<sup>st</sup> Century Science Initiative  
2008 Advisory Board and Program Meetings  
June 23-26, 2008  
The Randolph Hotel --Oxford, United Kingdom  
Agenda**

***Monday, June 23, 2008***

Arrival of all guests -- *The Randolph Hotel*

3:00 – 5:00 p.m.                      BMB Advisory Panel meeting (closed session),  
*St. John's College, New Seminar Room*

6:00 – 8:00 p.m.                      Opening Hospitality Room with drinks and appetizers,  
*The Lancaster Room, The Randolph Hotel*

***Tuesday, June 24, 2008***

7:30 – 8:30 a.m.                      Breakfast, *The Randolph Hotel*

**All meeting events will take place at The Ashmolean Museum – Headly Lecture Theatre (all participants)**

9:00 – 12:15 p.m.                      Symposium 1: *It's the Network! Brain and Cognitive Function in Health and Disease.*

Chair: Lance Gunderson, Emory University

Speakers:

Steve Hanson, Rutgers University

Daphne Maurer, McMaster University

Randy McIntosh, Rotman Research Institute

Marc Raichle, Washington University

9:00 – 9:10 a.m.                      Introduction, Lance Gunderson

9:15 – 9:40 a.m.                      Steve Hanson, *Collaboration as a Graph: Making the Nodes and Finding the Edges.*

9:45 – 10:10 a.m.                      Daphne Maurer, *From GABA to Videogames: Can a Network Redefine Critical Periods and Cure Lazy Eyes?*

10:15 – 10:35 a.m.                      BREAK

10:40 – 11:05 a.m.                      Randy McIntosh, *Collaboration on Brain Network Recovery: Greater than the sum of its parts?*

11:10 – 11:35 a.m.                      Marc Raichle, *Glycolysis, Synapses, Learning and Memory.*

11:40 – 12:15 p.m.                      Discussion

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- 12:15 p.m. Lunch, *The Ashmolean Museum*
- 1:30 – 5:00 p.m. Free time for meeting participants
- 1:30 – 5:00 p.m. BC and CS Advisory Panel meetings (closed sessions),  
*St. John's College Annex (street address 20 St Giles)*
- 6:00 – 8:00 p.m. Poster Session and Buffet Reception, *The Ashmolean Museum—Randolph Sculpture Gallery*

***Wednesday, June 25, 2008***

- 7:30 – 8:30 a.m. Breakfast, *The Randolph Hotel*

**All meeting events will take place at The Ashmolean Museum – Headly Lecture Theatre (all participants)**

- 8:30 – 12:00 noon Symposium 2: *As Brains Mature – What Happens?*  
Chair: Steve Petersen, Washington University  
Speakers:  
Charles Eberhart, Johns Hopkins University  
Richard Aslin, University of Rochester  
Alison Gopnik, University of California, Berkeley
- 8:30 – 8:40 a.m. Introduction, Steve Petersen
- 8:40 – 9:25 a.m. Charles Eberhart, *Recapitulation Theory Revisited: Brain Ontogeny and Glial Tumor Biology*
- 9:30 – 10:15 a.m. Dick Aslin, *Infant language, learning, and cognition: Promise and prospects of near-infrared spectroscopy.*
- 10:15 – 10:35 a.m. BREAK
- 10:35 – 11:20 a.m. Alison Gopnik, *Finding out about the world: The meeting of Cognitive Development, Machine Learning, and the Philosophy of Science.*
- 11:15 – 12:00 noon Discussion
- 12:00 noon Lunch, *The Ashmolean Museum*
- 1:30 – 5:00 p.m. Symposium 3: *How Does Knowledge Change Practice?*  
Chair: Carolyn Baum, Washington University  
Speakers:  
Roddy Roediger, Washington University  
Timothy Buchman, Washington University  
Vimla Patel, Arizona State University

Lance Gunderson, Emory University

- 1:30 – 1:55 p.m. Chair: Carolyn Baum -- *What's doing got to do with it? Changing the focus of post-stroke care.*
- 2:00 – 2:25 p.m. Roddy Roediger – *Applying cognitive psychology to enhance educational practice: How can we translate research from the lab to the classroom?*
- 2:30 – 2:55 p.m.. Timothy Buchman – *Collaboration in critical care: The life that gets saved just might be your own.*
- 3:00 – 3:20 p.m. BREAK
- 3:25 – 3:50 p.m. Vimla Patel – *Complexity and error in critical care: Is simpler always safer?*
- 3:55 – 4:20 p.m. Lance Gunderson, *Lessons from the Resilience Alliance: Our field may be wet—but we've learned how not to get stuck in the mud.*
- 4:25 – 5:00 p.m. Discussion: Lance Gunderson
- 6:00 – 7:00 p.m. Closing Reception, *Garden Quad*  
7:00 – 8:30 p.m. Dinner, *St. John's Hall*

***Thursday, June 26, 2008***

Depart Hotel