MEETING AGENDA

Neuropharmacology and Human Stem Cell Models

September 10-13, 2017
The Banbury Center, Lloyd Harbor, New York

This meeting was organized by
Nicholas Brandon, AstraZeneca
Zameel Cader, Oxford University
Stephen Haggarty, Harvard Medical School; Massachusetts General Hospital

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Cold Spring Harbor Laboratory Corporate Sponsor Program

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Lieber Institute for Brain Development

SUNDAY, SEPTEMBER 10

Afternoon   Arrivals and check-in at Robertson House
            6:00 pm   Reception and dinner

MONDAY, SEPTEMBER 11

7:15 am   Breakfast

8:30 am   Welcoming Remarks, Meeting Objectives
  Rebecca Leshan, The Banbury Center
  Nicholas Brandon, AstraZeneca
  Zameel Cader, Oxford University
  Stephen Haggarty, Harvard Medical School & Massachusetts General Hospital
8:40 am  SESSION 1: Introduction and Overview  
Chairperson: David Panchision, National Institute of Mental Health, NIH  
David Panchision, National Institute of Mental Health, NIH  
Zameel Cader, Oxford University  
Ajamete Kaykas, Novartis Institutes for Biomedical Research  

10:40 am  SESSION 2: Patient Cohorts & Deep Clinical Phenotyping  
Chairperson: Roy Perlis, Broad Institute  
Roy Perlis, Broad Institute  
Lorenz Studer, Memorial Sloan Kettering Cancer Center  
Lea Grinberg, University of California, San Francisco  

12:10 pm  General Discussion  

12:35 pm  Luncheon  

2:00 pm  SESSION 3: Stem Cell Neurotechnology & Advanced Modeling  
Chairperson: Kristin Fabre, AstraZeneca  
Kristin Fabre, AstraZeneca, with Nicholas Brandon, AstraZeneca  
Eric Shusta, University of Wisconsin-Madison  
Iván Cornell-Taracido, Merck  

4:30 pm  General Discussion  

6:00 pm  Reception and dinner  

TUESDAY, SEPTEMBER 12  

7:30 am  Breakfast  

9:00 am  SESSION 4: Alzheimer’s & Related Dementia  
Chairperson: Frederick Livesey, University of Cambridge  
Frederick Livesey, University of Cambridge  
Haruhisa Inoue, Center for iPS Cell Research and Application (CiRA), Kyoto University  
Tracy Young-Pearse, Brigham and Women’s Hospital; Harvard Medical School  

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11:00 am  **SESSION 5: Translational Realities for Implementation**  
Chairperson: Stephen Haggarty, Harvard Medical School; Massachusetts General Hospital  
Stephen Haggarty, Harvard Medical School; Massachusetts General Hospital  
Brady Maher, Lieber Institute for Brain Development  
Rakesh Karmacharya, Harvard Medical School; Massachusetts General Hospital

12:45 pm  Luncheon

2:00 pm  **SESSION 6: Movement, Pain, & Other Disorders**  
Chairperson: Zameel Cader, University of Oxford  
Zameel Cader, University of Oxford  
David Butler, Neural Stem Cell Institute  
Lisa Ellerby, Buck Institute for Research on Aging  
Brent Ryan, University of Oxford  
Seungmae Seo, Lieber Institute for Brain Development

5:00 pm  General Discussion

6:00 pm  Reception and dinner

**WEDNESDAY, SEPTEMBER 13**

7:30 am  Breakfast

9:00 am  **SESSION 7: Opportunities & Challenges for Drug Discovery**  
Chairperson: Nicholas Brandon, AstraZeneca  
Jennifer Erwin, Lieber Institute for Brain Development  
Nathaniel Heintz, The Rockefeller University  
Steven Finkbeiner, Gladstone Institutes; University of California, San Francisco

11:00 am  General Discussion

11:20 am  **SESSION 8: General Discussion, Meeting Wrap-up**  
Chairperson: Nicholas Brandon, AstraZeneca  
Meeting Summary; Roadmap for the Future; Opportunities for Funding

12:45 pm  Luncheon; Participant Departures
PARTICIPANTS

Nicholas Brandon, Jnana Therapeutics  
Oliver Brüstle, Institute of Reconstructive Neurobiology  
David Butler, Neural Stem Cell Institute  
Zameel Cader, University of Oxford  
Iván Cornell Taracido, Merck  
Lisa Ellerby, Buck Institute for Research on Aging  
Jennifer Erwin, Lieber Institute for Brain Development  
Kristin Fabre, AstraZeneca  
Steven Finkbeiner, Gladstone Institutes; University of California, San Francisco  
Lea Grinberg, University of California, San Francisco  
Stephen Haggarty, Harvard Medical School; Massachusetts General Hospital  
Hakon Heimer, Cold Spring Harbor Laboratory  
Nathaniel Heintz, The Rockefeller University  
Daniel Hiler, Lieber Institute for Brain Development  
Haruhisa Inoue, Center for iPS Cell Research and Application (CiRA), Kyoto University  
Rakesh Karmacharya, Harvard Medical School; Massachusetts General Hospital  
Ajamete Kaykas, Novartis Institutes for Biomedical Research  
Kyle Kolaja, Celgene  
Frederick Livesey, University of Cambridge  
Brady Maher, Lieber Institute for Brain Development  
David Panchision, National Institute of Mental Health, NIH  
Roy Perlis, Broad Institute  
Brent Ryan, University of Oxford  
Seungmae Seo, Lieber Institute for Brain  
Eric Shusta, University of Wisconsin-Madison  
Lorenz Studer, Memorial Sloan Kettering Cancer Center  
Tracy Young-Pearse, Brigham and Women’s Hospital; Harvard Medical School