



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

with additional support from the
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 Cornella-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



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 Cornella 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
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