

**Joint Operating-Scientific Advisory Committee Meeting
Agenda
May 5 - 6, 2016**

**Broad Institute
75 Ames Street
Cambridge, MA**

**Thursday, May 5
75 Ames Street
Galapagos Room 5001**

1:15 - 2:00 pm	Check-in and Refreshments
2:00 - 2:15 pm	Welcome and Introduction <i>Steve Hyman</i>
2:15 - 3:15 pm	3D Human Brain Spheroids and Organoids <i>Lee Rubin and Paola Arlotta</i>
3:15 - 3:45 pm	Coffee Break
3:45 - 4:45 pm	Interactions Between the Immune and Nervous Systems <i>Steve McCarroll and Beth Stevens</i>
3:45 pm	An extended series of structurally diverse alleles of <i>C4</i> Aswin Sekar
3:57 pm	Mouse models of human <i>C4</i> isoforms and <i>C4A</i> overexpression Jessy Presumey
4:09 pm	Analysis of the schizophrenia GWAS-implicated gene <i>CSMD1</i>, a potential complement inhibitor <i>Matt Baum</i>
4:21 pm	Summary, Strategy and Future Plans <i>Steve McCarroll and Beth Stevens</i>
4:33 pm	Q & A
4:45 - 5:15 pm	From Genotypes to Phenotypes <i>Elise Robinson</i>
5:15 - 5:30 pm	Q&A
5:30 pm	Adjourn

Friday, May 6
75 Ames Street
Yellowstone, Room 2001

8:30 - 9:00 am	Breakfast
9:00 - 10:30 am	Therapeutics
9:00 am	Glycogen Synthase Kinase 3 Inhibitors: New Biology and Therapeutic Opportunities <i>Ed Scolnick and Florence Wagner</i>
9:30 am	High-throughput Cell-based Genetic and Functional Assays <i>Jeff Cottrell</i>
9:50 am	The T-type Calcium Channel: Therapeutic Implications <i>Jen Pan</i>
10:10 am	Q&A
10:30 - 10:45 am	Coffee Break
10:45 am -12:00 pm	Neurobiology
10:45 am	Mice, Monkeys and Human Models <i>Guoping Feng</i>
10:55 am	Marmoset Model <i>Rogier Landman</i>
11:05 am	Thalamic Reticular Nucleus Dysfunction In Neurodevelopmental Disorder <i>Michael Wells</i>
11:15 am	Single cell Transcriptome Analysis of the Thalamic Reticular Nucleus <i>Reut Shema</i>
11:25 am	Synapse Annotation <i>Matthijs Verhage and Guus Smit</i>
11:40 am	Q&A

12:00 - 1:15 pm	Lunch Stanley Center Community Lunch 9 th Floor Kitchen, 75 Ames Street
1:15 - 2:00 pm	Stem Cell Biology
1:15 – 1:25 pm	Overview of Stem Cell Program Objectives <i>Kevin Eggan</i>
1:25 – 1:35 pm	The Human ES Cell Genome Project <i>Sulagna Ghosh</i>
1:35 – 1:50 pm	Benchmarking Neuronal Differentiation In Vitro Against Human Brain Development <i>Ralda Nehme and Olli Pietilainen</i>
1:50 – 2:00 pm	Q&A
2:00 - 2:15 pm	Human Brain Protein Networks Perturbed by Genetics in Psychiatric Diseases <i>Kasper Lage</i>
2:15 - 3:45pm	Genetics
2:15 pm	Strategy and Future Plans <i>Mark Daly</i>
2:30 pm	Global Neurogenetics Initiatives <i>Aarno Palotie and Karestan Koenen</i>
2:50 - 3:05 pm	Coffee Break

3:05 pm **Common Variation**
Ben Neale

3:25 pm **Exome and Genome Sequencing Analyses Update**
Steve McCarroll and Giulio Genovese

3:45 - 4:00 pm **Q&A**

4:00 - 5:15 pm **BREAK**

5:30 - 7:30 pm **Reception**
Serengeti Atrium, 6th floor, 75 Ames Street