

3rd Annual HMBA Consortium Meeting

Monday May 12th – Tuesday May 13th 2025

Allen Institute, Seattle, WA

- Monday May 12th

Time	Length	Session	Speaker
8:15a	45 min	Registration, Breakfast, Meet & Greet	
9:00a	15 min	HMBA Meeting Introduction, Scientific Overview, Agenda Review	Ed Lein
Theme 1: Basal Ganglia Publication Package & Product			
9:15a	10 min + 5 min	BG Flagship Paper	Mike Hawrylycz
9:30a	15 min + 5 min	BG Cross-Species Consensus Taxonomy and Single-Cell Transcriptomics	Nelson Johansen, Fenna Krienen
9:50a	15 min + 5 min	Spatial Transcriptomics Results in BG Human, Macaque, and Marmoset	Meghan Turner, Maddy Hewitt
10:10a	15 min + 5 min	Patch-seq BG Results in Human and Macaque	Xiao-Ping Liu, Rachel Dalley
10:30a	15 min	Discussion	
10:50a	20 min	Morning break and refreshments/snacks	
11:15a	15 min	Productization session – overview/ABC Atlas	Tyler Mollenkopf
11:30a	15 min	Common Coordinate Frameworks	David Van Essen, Song-Lin Ding
11:45a	10 min	Cell Ontology	David Osumi-Sutherland
11:55a	10 min	Nomenclature	Jeremy Miller
12:05p	10 min	Cytosplore Viewer	Boudewijn Lelieveldt
12:15p	15 min	Discussion	
12:30p	70 min	Lunch	
Breakout Sessions			
1:40p	60 min	Session 1 - Functional Analysis of Macaque Spatial Atlas	Breakout sessions_Topics
1:40p	60 min	Session 2 - HMBA as a Standardized Community Atlas	Breakout sessions_Topics
1:40p	60 min	Session 3 – Consensus BG taxonomy: current state and suggestions	Breakout sessions_Topics
1:40p	60 min	Session 4 - Neuroethics	Breakout sessions_Topics
1:40p	60 min	<i>Optional break if you do not join a breakout session</i>	
Theme 2: Cortical Sampling			
2:40p	10 min	Functional Paradigms and Mapping in the Macaque Brain	Dingzhi Hu
2:50p	15 min	Final Taz sampling plan, Methodology and Timeline for Planning for Human, Macaque, and Marmoset	Burke Rosen

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3:05p	10 min	Human: Structure, Function, Parcellation in Individuals	Matt Glasser
3:15	15 min	Current State of Hyperfine and Photo Reconstructions	Eugenio Iglesias
3:30p	20 min	Afternoon break and refreshments/snacks	
3:55p	15 min + 10 min	Plans for Human, Macaque and Marmoset Single-Cell Transcriptomics Cortical Analysis	Rebecca Hodge, Fenna Krienen
4:20	15 min + 10 min	Plans for Human, Macaque, and Marmoset Spatial Transcriptomics Cortical Analysis	Steph Seeman, Brian Long, Jennie Close
4:45p	30 min	Discussion	
5:15p	10 min	Wrap-up	Ed Lein
5:30p	120 min	Dinner at the Allen Institute, 6th Floor Cafe	

Tuesday May 13th

Time	Length	Session	Speaker
8:15a	40 min	Registration, Breakfast, Meet & Greet	
Theme 3: The Future and Planning for the Whole Brain			
9:00a	10 min	Overview – Taxonomies How do we complete single-cell whole brain?	Ed Lein
9:10a	30 min	Discussion	
9:40a	10 min + 20 min	How do we complete whole brain for spatial?	Steph Seeman, Brian Long, Jennie Close
10:10a	20 min	Morning break and refreshments/snacks	
10:35a	10 min + 20 min	Patch-seq - Hippocampus and regions to target for remainder of grant	Brian Kalmbach, Brian Lee, Huib Mansvelder
11:05a	10 min + 20 min	Future of Product; Future of Knowledgebase	Tyler Mollenkopf, Mike Hawrylycz, Lydia Ng
11:35a	10 min + 20 min	Collaboration and integrative Work Across the Consortium	Ed Lein
12:05p	25 min	Discussion	
12:30p	60 min	Lunch	
Scientific Updates			
1:30p	45 min	5-min talks	Presenters
2:15p	5 min	<i>Walk to breakout rooms</i>	
Breakout Sessions			
2:20p	60 min	Session 5 - Human and NHP patch-seq sampling strategy	Breakout sessions_Topics
2:20p	60 min	Session 6 - Marmoset Cortical Sampling Plan for Transcriptomics	Breakout sessions_Topics

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2:20p	60 min	Session 7 - Cross-Species Nervous System Atlas v1	Breakout sessions_Topics
2:20p	60 min	<i>Optional break if you do not join a breakout session</i>	
3:20p	20 min	Afternoon break and refreshments/snacks	
Theme 4: Evolution and Population			
3:45p	15 min	Evolution	Matthew Schmitz, Morgan Wirthlin
4:00p	15 min	Macaque Population Analyses	Kelsi Watkins
4:15p	15 min	Discussion	
Theme 5: BrainLab, Neuroethics and Outreach			
4:30p	10min + 10 min	BrainLab + Hospice Updates	Dirk Keene
4:50p	10 min + 10 min	Neuroethics	Tim Brown
5:10p	10 min + 10 min	Outreach Activities	Jeremy Miller, Jimena Garcia
5:30p	10 min	Meeting Summary/Wrap-up	Ed Lein
5:40p	120 min	Dinner at the Allen Institute	