

2022 Simons Collaboration on the Global Brain (SCGB) Annual Meeting

Monday, March 7, 2022

Talk: Flygenvectors: Reconciling neural activity across spatial and temporal scales - Gerald D. Fischbach

Auditorium/2-GDFA (9:10 AM - 9:30 AM)

-Conveners: Larry Abbott

Talk: Direct measurement of whole-brain functional connectivity in *C. elegans* - Gerald D. Fischbach

Auditorium/2-GDFA (9:30 AM - 9:50 AM)

-Conveners: Andy Leifer

Talk: Representational geometry of perceptual decisions in the monkey parietal cortex - Gerald D. Fischbach

Auditorium/2-GDFA (9:50 AM - 10:10 AM)

-Conveners: Roozbeh Kiani

Talk: Introductions to Pilot Projects - Gerald D. Fischbach Auditorium/2-GDFA (10:10 AM - 10:30 AM)

-Conveners: Matthew Kaufman; Andrew Miri; Gal Mishne; Annegret Falkner; Lucas Pinto; Amy Orsborn; Sergey Stavisky; Winrich Freiwald; Sadegh Ebrahimi

Talk: Neurobiological mechanisms of behavioral chunking - Gerald D. Fischbach Auditorium/2-GDFA (10:50 AM - 11:10 AM)

-Conveners: Michael Long

Talk: Deep network models of the deep network mechanisms of human visual intelligence - Gerald D. Fischbach

Auditorium/2-GDFA (11:10 AM - 11:30 AM)

-Conveners: Jim DiCarlo

Talk: Discovering repeating neural motifs representing sequenced behavior - Gerald D. Fischbach Auditorium/2-GDFA (1:30 PM - 1:50 PM)

-Conveners: Bob Datta

Talk: Mesoscale Activity Map (MAP) project - Gerald D. Fischbach Auditorium/2-GDFA (1:50 PM - 2:10 PM)

-Conveners: Nuo Li; Shaul Druckmann

Talk: Flexible communication to enable flexible behavior - Gerald D. Fischbach Auditorium/2-GDFA (2:10 PM - 2:30 PM)

-Conveners: Marlene Cohen

Talk: Courses and Conferences/SURF/TTI - Gerald D. Fischbach Auditorium/2-GDFA (2:30 PM - 2:50 PM)

-Conveners: Alyssa Picchini Schaffer; Laura Long

Tuesday, March 8, 2022

Talk: Visuomotor learning and the routing of visual signals to striatum and prefrontal cortex - Gerald D. Fischbach
Auditorium/2-GDFA (9:00 AM - 9:20 AM)

-Conveners: Matteo Carandini

Talk: A unified framework for dopamine signals across timescales - Gerald D. Fischbach Auditorium/2-GDFA (9:20 AM - 9:40 AM)

-Conveners: Nao Uchida

Talk: Individual variability and neural mechanisms of flexible decision-making - Gerald D. Fischbach
Auditorium/2-GDFA (11:20 AM - 11:40 AM)

-Conveners: Carlos Brody

Talk: Contributions of the primate hippocampus to single-exposure visual memory behavior - Gerald D. Fischbach
Auditorium/2-GDFA (11:40 AM - 12:00 PM)

-Conveners: Nicole Rust

Talk: Neural dynamics of memory formation in the monkey hippocampus - Gerald D. Fischbach Auditorium/2-GDFA (1:10 PM - 1:30 PM)

-Conveners: Beth Buffalo

Talk: Systems consolidation as temporal integration in synaptic weight space - Gerald D. Fischbach
Auditorium/2-GDFA (1:30 PM - 1:50 PM)

-Conveners: Mark Goldman

Talk: Attempted handwriting BCIs: From human neuroscience to clinical translation - Gerald D. Fischbach
Auditorium/2-GDFA (1:50 PM - 2:10 PM)

-Conveners: Krishna Shenoy

Talk: The International Brain Laboratory: lessons learned in building a large scale collaboration - Gerald D. Fischbach
Auditorium/2-GDFA (2:10 PM - 2:30 PM)

-Conveners: Hannah Bayer; Michael Hausser; Anne Churchland

Talk: Talk 19 - Gerald D. Fischbach Auditorium/2-GDFA (2:50 PM - 3:10 PM)

-Conveners: Ilana Witten

Talk: Experience-dependent tuning of the timing rules for synaptic plasticity to the feedback delays in a circuit - Gerald D. Fischbach Auditorium/2-GDFA (3:10 PM - 3:30 PM)

-Conveners: Jennifer Raymond

**Talk: Rapid learning of complex tasks: from phenomena to algorithms - Gerald D. Fischbach Auditorium/2-GDFA
(3:30 PM - 3:50 PM)**

-Conveners: Markus Meister