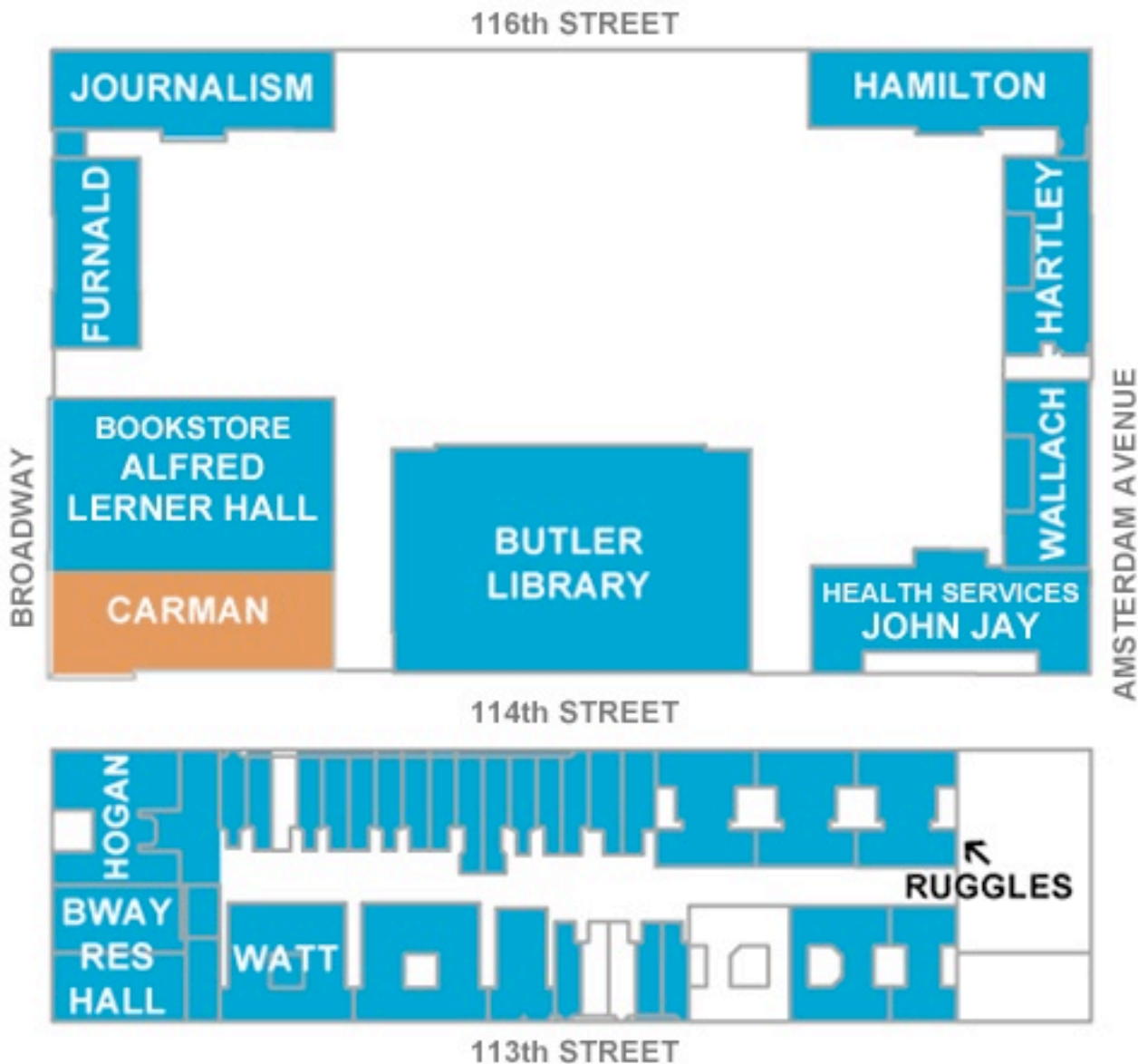


Checking In

The invited speakers to the meeting are being housed at the East Campus Hotel while the other participants are being housed at Furnald Hall. The check-in information is the same for both places.

Check-in starts at 3:00 PM on the 22nd of July. You will need to go to Carman Hall, 545 W. 114 St., to the Conference Housing Desk to pick up your key and guest pass. The desk will then direct you to Furnald Hall or East Campus Hotel. At the end of the conference check-out is by 11:00 AM on the day you are to leave. You will have to go back to Carman Hall to turn in the key and guest pass in order to check out. Also if you get locked out of their room you will need to go to Carman Hall to be let in. If you lose the key it is a \$65.00 charge for the lock and key.

Some of you are arriving at different times. This is not a problem. The Conference Housing Desk in Carman is open from 8:00 am to 10:00 pm seven days a week. You can come in at any time during these hours and someone will be there to check you in. If you show up when the office is closed, there will be a number on the door for the RA on duty. This person will come over to Carman Hall at whatever time to check the participant into their room.



Mini Program for Columbia Sloan-Swartz Meeting - July 22-25

July 22 : 5-7pm: Arrival, Check-in and Reception. Low Library

July 23 : 9-10:00: Invited Talk, **Dora Angelaki** (Washington University): Self-Motion perception: Multisensory integration in extrastriate visual cortex

Spontaneous Activity Patterns

10-10:20: **Don Katz** (Brandeis) :Taste responses are dynamic at multiple time scales

10:20-10:35:**Lauren Jones** (Brandeis):Cortical neural ensembles response to tastes with series of coherent states

10:35-11: Break

11-11:25: **Jozsef Fiser** (Brandeis):Distinct states of firing patterns in the primary visual cortex of awake ferrets

11:25-11:45: **George Jun Zhao** (Columbia): Analysis of Spontaneous and Evoked Activity in Awake Ferrets

11:45-12:10:**Brendan Murphy** (Columbia):Models of Background Activity in V1

12:10-12:30: **Philip Low** (Salk):

12:30 - 2: Lunch

2-3: Invited Talk, **Haim Sompolinsky** (Hebrew University): Discriminating temporal patterns: spiking neurons and 'ideal observers'

Early Visual Processing

3-3:30: **Michael Stryker** (UCSF): Creating maps in the cortex

3:30-4: Break

4-4:25: **Michael Eisele** (Columbia): Response Variability in LGN

4:25-4:55: **Tony Movshon** (NYU): How MT computes pattern motion

Large-Scale Activity

4:55-5:15: **Scott Makeig** (UCSD): Distributed brain dynamics

5:15-5:40: **Rey Ramirez** (UCSD): Sparse Bayesian learning of brain activity patterns

5:40-6:05: **Julie Onton** (UCSD): From disgust to compassion: distributed EEG dynamics of emotion

July 24 : 9-10: Invited Talk, **Fred Wolf** (Max Planck Institute, Göttingen)

Neuronal Dynamics

10-10:30: **Eric Shea-Brown** (NYU): Fluctuations in neuron pairs and populations - modeling and mechanisms

10:30-11: Break

11-11:20: **Adam Taylor** (Brandeis): Analysis of intrinsic properties in a multidimensional parameter space

11:20-11:35: **Rachel Grashow** (Brandeis): Dynamic clamp half-center oscillator construction as an assay of variability in intrinsic properties

Optimization

11:35-12:05: **Mitya Chklovskii** (CSHL): Optimal Information Storage in Noisy Synapses

12:05-12:35: **Tatyana Sharpee** (UCSF): Optimal Decision Boundaries for Maximum Information Transmission

12:35-2 Lunch Break

2-3: Invited Talk, **Helen Barbas** (Boston University): Prefrontal pathways for executive control

Plasticity

3-3:30: **Philip Sabes** (UCSF): Learning rules for sensory-motor adaptation

3:30-4: **Surya Ganguli** (UCSF): Synaptic pattern formation in spiking networks

4-4:30: Break

4:30-5:**Mitya Tsiganov** (CSHL): Wiring the brain - Sperry vs Hebb

5-5:20: **Ingmar Riedel-Kruse** (Caltech): A Self-Organized Vortex Array of Hydrodynamically Entrained Sperm Cells

5:20-5:45: **Joseph Snider** (Salk): Simulating arbor growth with puncta stabilization

5:45-6:10: **Ruadhan O'Flanagan** (Salk): Spike timing dependent plasticity

7:00: Dinner and Concert at Smoke Jazz Club. Due to limited space open only to six people from each Center.

July 25 : 9-10: Invited Talk, **Mickey Goldberg** (Columbia University)

Circuits and Coding

10-10:30: **David Cai** (NYU):Modeling cortical phenomena with a parsimoniously constructed model of the visual cortex

10:30-11:Break

11-11:30: **Kanaka Rajan** (Columbia): Levels and Patterns of Background Activity and Maximal Stimulus Responses

11:30-12: **Alexander (Sasha) Kraskov** (Caltech) Can we fool a neuron? Combining human single cell recordings and behavior

12-12:20: **Sean Luo** (Columbia): Olfactory Coding in Flies

12:20-12:40: **Tony Bell** (Berkeley): The brain considered as a single-layer network between neurons and synapses

12:40-2 Lunch Break

2-3: Invited Talk, **Rachel Wilson** (Harvard University)

Attention, Context and Decisions

3-3:30: **Adam Kepecs** (CSHL): Neural encoding and behavioral impact of uncertainty in category decisions

3:30-4: Break

4-4:30: **Marina Brozovic** (Caltech): Contextual modulation of "reach" network activity

4:30-4:55: **XJ Wang** (Brandeis): An integrated circuit model of attentional processing in cortical networks

4:55-5:25: **Gonzalo Otazu** (CSHL): Attentional modulation of neural responses in auditory cortex

5:25-5:55: **Ruben Moreno** (NYU): Noise-induced alternations in an attractor network model of perceptual bi-stability