



# Schedule Overview

## Saturday, March 25, 2023

10:00 am - 11:00 am	<b>Satellite Event</b> — <a href="#">Opening the Door to Engagement with the National Science Foundation</a> , <i>Seacliff Room</i>
10:00 am - 6:00 pm	On-site Registration & Pre-Registration Check In, <i>Grand Ballroom Foyer</i>
11:00 am - 12:30 pm	<a href="#">Data Blitz Session 1</a> , <i>Grand Ballroom A</i>
	<b>CC</b> <a href="#">Data Blitz Session 2</a> , <i>Grand Ballroom B/C</i>
	<a href="#">Data Blitz Session 3</a> , <i>Bayview Room</i>
11:00 am - 3:00 pm	Exhibitor Check In, <i>Pacific Concourse</i>
12:30 - 1:00 pm	Poster Session A Set-Up, <i>Pacific Concourse</i>
1:00 - 3:00 pm	<b>CC</b> <b>CNS at 30: <a href="#">Perspectives on the Roots, Present, and Future of Cognitive Neuroscience</a></b> , <i>Grand Ballroom</i>
3:00 - 3:30 pm	Coffee Service, <i>Pacific Concourse</i>
3:00 - 5:00 pm	<a href="#">Poster Session A</a> , <i>Pacific Concourse</i>
3:00 - 6:00 pm	Exhibits Open, <i>Pacific Concourse</i>
5:00 - 6:00 pm	<b>CC</b> <b>Opening Ceremonies &amp; Keynote Address</b> - <a href="#">Poverty and Neuroscience: A Fish and a Bicycle?</a> , <b>Martha J. Farah</b> , <i>University of Pennsylvania</i> , <i>Grand Ballroom</i>
5:30 - 6:00 pm	Poster Session A Take-Down, <i>Pacific Concourse</i>
6:00 pm	Exhibit Hall Closed for the Day – No Entry
6:00 - 7:00 pm	<a href="#">Welcome Reception</a> , <i>Atrium</i>
8:00 - 11:00 pm	<a href="#">30th Anniversary Dance Party</a> (DJ 8-9:30; Pavlov's Dogz 9:30-11), <i>Grand Ballroom</i>

## Sunday, March 26, 2023

7:30 - 8:00 am	Exhibit Hall Access for Exhibitors/Poster Session B Set-up Only, <i>Pacific Concourse</i>
7:30 am - 6:30 pm	On-site Registration & Pre-Registration Check In, <i>Grand Ballroom Foyer</i>
8:00 - 8:30 am	Continental Breakfast, <i>Pacific Concourse</i>
8:00 - 10:00 am	<a href="#">Poster Session B</a> , <i>Pacific Concourse</i>
8:00 am - 7:15 pm	Exhibits Open, <i>Pacific Concourse</i>
10:00 am - 12:00 pm	<b>CC</b> <b>Invited Symposium 1</b> — <a href="#">Electrophysiological Studies of Human Memory Retrieval</a> , Nanthia Suthana, Chair, <i>Grand Ballroom A</i>
▶ 10:00 - 10:08 am	Introduction
▶ 10:08 - 10:36 am	<b>Talk 1:</b> Hippocampal-Prefrontal Representations Differentiate Outcomes that Vary by Context, Neal Morton
▶ 10:36 - 11:04 am	<b>Talk 2:</b> Memory Prediction and Reactivation in Human Electrophysiology, Nicholas Turk-Browne
▶ 11:04 - 11:32 am	<b>Talk 3:</b> Dynamic Neurophysiological Representations of Memory During Real-World Navigation in Humans, Nanthia Suthana
▶ 11:32 am - 12:00 pm	<b>Talk 4:</b> Schema, Drift, and Episodic Boundaries: A New Look at Primacy Effects in Free Recall, Bradley Lega
10:00 am - 12:00 pm	<b>Invited Symposium 2</b> — <a href="#">Learning and Generalization in Humans and Machines</a> , Anna Schapiro, Chair,

*Grand Ballroom B/C*

- ▶ 10:00 - 10:08 am Introduction
- ▶ 10:08 - 10:36 am **Talk 1:** How to Organise Knowledge for Flexible Behaviour, James Whittington
- ▶ 10:36 - 11:04 am **Talk 2:** Discovering Abstractions that Bridge Perception, Action, and Communication, Judy Fan
- ▶ 11:04 - 11:32 am **Talk 3:** Symbols and Compositionality in Large Artificial Neural Networks, Ellie Pavlick
- ▶ 11:32 am - 12:00 pm **Talk 4:** How Well Do Unsupervised Learning Algorithms Explain Actual Human Learning?, Dan Yamins

11:30 - 11:45 am Poster B Take-Down, *Pacific Concourse*

12:00 - 1:30 pm Lunch Break (On your own)

12:15 - 1:15 pm

**CC** **DEI Workshop** — [Colors of the Brain: Recommendations for Serving Students from Historically Marginalized Groups in Neuroscience](#), *Bayview Room*

Poster C Set-Up, *Pacific Concourse*

1:30 - 2:00 pm

1:30 - 3:30 pm

**CC** **Symposium 1** — [Stable Perception in the Wavering Brain - Reconciling Perceptual Stability with Dynamic Neuronal Representations](#), Leon Deouell, Chair, *Bayview Room*

- ▶ 1:30 - 1:38 pm Introduction
- ▶ 1:38 - 2:04 pm **Talk 1:** Dynamic Reorganization of Neuronal Activity Patterns in Parietal Cortex, Laura N. Driscoll
- ▶ 2:04 - 2:30 pm **Talk 2:** Communication Subspaces: A Mechanism for Flexible Interareal Signaling, Adam Kohn
- ▶ 2:30 - 2:56 pm **Talk 3:** Stable Conscious Experience is Represented by Time-Invariant Neural Patterns, Leon Y Deouell
- ▶ 2:56 - 3:22 pm **Talk 4:** Relational Coding Underlies the Stability of Perceptual Content in Human Visual Cortex, Rafael Malach
- ▶ 3:22 - 3:30 pm Q&A with the Audience

1:30 - 3:30 pm

**Symposium 2** — ['Stop Thinking About It!': Cognitive and Neural Mechanisms of the Removal and Inhibition of Information in Memory](#), Marie Banich, Chair, *Grand Ballroom A*

- ▶ 1:30 - 1:38 pm Introduction
- ▶ 1:38 - 2:04 pm **Talk 1:** Removal of Information from Working Memory Via Three Distinct Mechanisms, Marie Banich
- ▶ 2:04 - 2:30 pm **Talk 2:** Directed Forgetting within Working Memory: Evidence for Successful Removal and an Active Mechanism, Sara Festini
- ▶ 2:30 - 2:56 pm **Talk 3:** Disentangling Cognitive and Neural Mechanisms of Intentional Forgetting in Long-term Memory, Lili Sahakyan
- ▶ 2:56 - 3:22 pm **Talk 4:** Active Forgetting of Unwanted Memories via Global Hippocampal Suppression, Michael Anderson
- ▶ 3:22 - 3:30 pm Q&A with the Audience

1:30 - 3:30 pm

**CC** **Symposium 3** — [The Data Science Future of Cognitive Neuroscience](#), Bradley Voytek, Chair, *Seacliff Room*

- ▶ 1:30 - 1:38 pm Introduction
- ▶ 1:38 - 2:04 pm **Talk 1:** Neuromaps: Structural and Functional Interpretation of Brain Maps, Justine Hansen
- ▶ 2:04 - 2:30 pm **Talk 2:** Data-Driven Mapping and Validation of a Framework for Human Brain Function, Ellie Beam
- ▶ 2:30 - 2:56 pm **Talk 3:** The BRAIN Initiative Cell Census and Cell Atlas Networks, Michael Hawrylycz
- ▶ 2:56 - 3:22 pm **Talk 4:** CogNéuro GO: Capturing Synchronized Neural and Experiential Data in the Wild, Cory Inman
- ▶ 3:22 - 3:30 pm Q&A with the Audience

1:30 - 3:30 pm

**Symposium 4** — [Beyond the Brain: Tracking Mind and Brain through the Periphery](#), Freek van Ede, Chair, *Grand Ballroom B/C*

- ▶ 1:30 - 1:38 pm Introduction
- ▶ 1:38 - 2:04 pm **Talk 1:** Sensory Saliency at the Tip of Your Fingers: Evidence from Isometric Force Recordings, Giacomo Novembre
- ▶ 2:04 - 2:30 pm **Talk 2:** Eye Movements as a Window on Temporal Expectations, Shlomit Yuval-Greenberg
- ▶ 2:30 - 2:56 pm **Talk 3:** Peripheral Motor Measures as a Window into the Fronto-Subthalamic Inhibitory Control Circuit, Benjamin O. Rangel
- ▶ 2:56 - 3:22 pm **Talk 4:** Microsaccades as a window into the role of the brain's oculomotor system in internal selective attention, Baiwei Liu
- ▶ 3:22 - 3:30 pm Q&A with the Audience

3:30 - 4:00 pm

Coffee Break, *Ballroom Foyer*

4:00 - 5:00 pm

**CC** **29th Annual George A. Miller Prize in Cognitive Neuroscience Lecture**, ["Everyone knows what attention is ..."](#) – [On its neural basis in the primate brain](#), Sabine Kastner, Princeton University, *Grand Ballroom*

5:00 - 7:00 pm

**Poster Session C**, *Pacific Concourse*

7:00 - 7:15 pm  
7:15 pm

Poster Session C Take-Down, *Pacific Concourse*  
Exhibit Hall Closed for the Day – No Entry

## Monday, March 27, 2023

7:30 - 8:00 am

Exhibit Hall Access for Exhibitors/Poster Session D Set-Up Only, *Pacific Concourse*

8:00 am - 5:30 pm

On-site Registration & Pre-Registration Check In, *Grand Ballroom Foyer*

8:00 - 8:30 am

Continental Breakfast, *Pacific Concourse*

8:00 - 10:00 am

[Poster Session D](#), *Pacific Concourse*

8:00 am - 5:45 pm

Exhibits Open, *Pacific Concourse*

8:30 - 10:00 am

Communications Open House (Light refreshments will be available), Press Room, *Regency A*

10:00 am - 12:00 pm

**CC** **Symposium 5** — [Can't Stop Won't Stop: Statistical Learning Persists through Development, Brain Damage and Competing Demands](#), Laura Batterink, Chair, *Grand Ballroom B/C*

▶ 10:00 - 10:08 am

Introduction

▶ 10:08 - 10:34 am

**Talk 1:** The Neurobiology of Auditory Statistical Learning is More Domain-Specific Early in Life, Zhenghan Qi

▶ 10:34 - 11:00 am

**Talk 2:** The Developing Brain Represents Specific and Group Level Regularities Differently, Amy Finn

▶ 11:00 - 11:26 am

**Talk 3:** Statistical Learning does not Require the Dentate Gyrus, Laura Batterink

▶ 11:26 - 11:52 am

**Talk 4:** Learning from Abstract Regularities in the Hippocampus and Visual Cortex, Brynn Sherman

▶ 11:52 am - 12:00 pm

Q&A with the Audience

10:00 am - 12:00 pm

**Symposium 6** — [Neurocomputational Accounts of Agency](#), Ivan Grahek, Chair, *Seacliff Room*

▶ 10:00 - 10:08 am

Introduction

▶ 10:08 - 10:34 am

**Talk 1:** Neurocomputational Mechanisms of Agency-Modulated Reward Learning, Hayley Dorfman

▶ 10:34 - 11:00 am

**Talk 2:** Neural Dynamics Underlying Updating and Adaptation to Changes in Performance Efficacy, Ivan Grahek

▶ 11:00 - 11:26 am

**Talk 3:** Controllability and Goal-Directedness, Mimi Liljeholm

▶ 11:26 - 11:52 am

**Talk 4:** Inter-Agent Empowerment as Social Incentive and the Three Laws of Robotics, Daniel Polani

▶ 11:52 am - 12:00 pm

Q&A with the Audience

10:00 am - 12:00 pm

**Symposium 7** — [Events and Their Boundaries: A Developmental Perspective](#), Susan Benear, Chair, *Bayview Room*

▶ 10:00 - 10:08 am

Introduction

▶ 10:08 - 10:34 am

**Talk 1:** Setting Boundaries: Development of Neural and Behavioral Event Cognition in Early Childhood, Susan Benear

▶ 10:34 - 11:00 am

**Talk 2:** Linking perceptual and semantic predictability to patterns of event segmentation in development, Andrei Amatuni

▶ 11:00 - 11:26 am

**Talk 3:** Spatial Boundaries and the Development of Episodic Memory Structure, Sang Ah Lee

▶ 11:26 - 11:52 am

**Talk 4:** Beyond the Boundaries: Event Model Maintenance Across Development, Erika Wharton-Shukster

▶ 11:52 am - 12:00 pm

Q&A with the Audience

10:00 am - 12:00 pm

**CC** **Symposium 8** — [From Observed Experience to Concepts: Multiple Views on the Mechanisms of Concept Formation in the Human Brain](#), Anna Leshinskaya, Chair, *Grand Ballroom A*

10:00 - 10:08 am

Introduction

▶ 10:08 - 10:34 am

**Talk 1:** Inferring Representational Abstraction from Plasticity Patterns in those Born Blind or Without Hands, Ella Striem-Amit

▶ 10:34 - 11:00 am

**Talk 2:** Multimodal Object Representations Rely on Integrative Coding, Morgan Barense

▶ 11:00 - 11:26 am

**Talk 3:** Relational Encoding Drives Sensory Abstraction in Lateral Temporal Cortex, Anna Leshinskaya

▶ 11:26 - 11:52 am

**Talk 4:** The Effects of Early-Life Language Experience in Deriving Neural Semantic Representations, Yancho Bi

▶ 11:52 am - 12:00 pm

Q&A with the Audience

11:30 - 11:45 am

Poster Session D Take-Down, *Pacific Concourse*

12:00 - 1:30 pm

Lunch Break (On your own)

12:15 - 1:15 pm

**CC** **Workshop** — [Industry Professional Development Panel](#), *Bayview Room*

12:15 - 1:15 pm	<b>Workshop</b> — <a href="#">Recording What Happened during your experiment using Hierarchical Event Descriptors (HED)</a> , <i>Seacliff Room</i>
1:30 - 2:00 pm	Poster Session E Set-Up, <i>Pacific Concourse</i>
1:30 - 2:00 pm	<b>CC</b> <b>YIA 1</b> — <a href="#">Learning Representations of Specifics and Generalities Over Time</a> , Anna Schapiro, <i>Grand Ballroom A</i>
2:00 - 2:30 pm	<b>CC</b> <b>YIA 2</b> — <a href="#">Focusing Working Memory for Behaviour</a> , Freek van Ede, <i>Grand Ballroom A</i>
2:30 - 4:30 pm	<b>Poster Session E</b> , <i>Pacific Concourse</i>
3:30 - 4:00 pm	Coffee Service, <i>Pacific Concourse</i>
4:30 - 5:30 pm	<b>CC</b> <b>12th Annual Fred Kavli Distinguished Career Contributions in Cognitive Neuroscience Lecture</b> , <a href="#">A Tale About the Frontal Lobes as told by a Neurologist</a> , Mark D'Esposito, University of California, Berkeley, <i>Grand Ballroom</i>
5:30 - 5:45 pm	Poster Session E Take-Down, <i>Pacific Concourse</i>
5:45 - 7:15 pm	<b>8th Annual CNSTA Professional Development Panel for Trainees</b> , <i>Bayview Room</i>
5:45 pm	Exhibit Hall Closed for the Day – No Entry
7:30 - 10:00 pm	CNS Student Trainee Social Night, <i>Monroe's</i>

## Tuesday, March 28, 2023

7:30 am - 8:00 am	Exhibit Hall Access for Exhibitors/Poster Session F Set-Up Only, <i>Pacific Concourse</i>
8:00 am - 3:00 pm	On-site Registration & Pre-Registration Check In. <i>Grand Ballroom Foyer</i>
8:00 - 8:30 am	Continental Breakfast, <i>Pacific Concourse</i>
8:00 - 10:00 am	<b>Poster Session F</b> , <i>Pacific Concourse</i>
8:00 am - 12:00 pm	Exhibits Open, <i>Pacific Concourse</i>
10:00 am - 12:00 pm	<b>Invited Symposium 3</b> — <a href="#">Fulfilling the Promise of Inhibitory Control: Bridging the Gap Between Motor and Cognitive Inhibition</a> , Jan R. Wessel, Chair, <i>Grand Ballroom A</i>
▶ 10:00 - 10:08 am	Introduction
▶ 10:08 - 10:36 am	<b>Talk 1:</b> The Universal Role of Inhibitory Control in Flexible Behavior and Cognition, Jan R. Wessel
▶ 10:36 - 11:04 am	<b>Talk 2:</b> Top-Down Control by Beta Rhythms, Earl K. Miller
▶ 11:04 - 11:32 am	<b>Talk 3:</b> Recruitment of Domain-General Inhibitory Control Supports Suppression of Encoding of Episodic Memories, Ryan J. Hubbard & Lili Sahakyan
▶ 11:32 am - 12:00 pm	<b>Talk 4:</b> A Common Brain Mechanism for Stopping Unwanted Actions and Memories, Dace Apšvalka
10:00 am - 12:00 pm	<b>CC</b> <b>Invited Symposium 4</b> — <a href="#">Paths to Increased Brain-Behavior Reproducibility</a> , Nico Dosenbach, Chair, <i>Grand Ballroom B/C</i>
▶ 10:00 - 10:08 am	Introduction
▶ 10:08 - 10:36 am	<b>Talk 1:</b> Brain-Wide Association Studies: A Year in Review, Scott Marek
▶ 10:36 - 11:04 am	<b>Talk 2:</b> Considerations for Improving Measurement Reliability and Validity in fMRI, Stephanie Noble
▶ 11:04 - 11:32 am	<b>Talk 3:</b> Insights From Large-Scale Datasets for Optimizing Study Design and Boosting Prediction Accuracy, Thomas Yeo
▶ 11:32 am - 12:00 pm	<b>Talk 4:</b> Improving Robustness and Interpretability in Brain-Behavior Modeling, Russ Poldrack
11:45 am - 12:00 pm	Poster Session F Take-Down, <i>Pacific Concourse</i>
12:00 pm	Exhibit Hall Closed for the Day – No Entry
12:00 - 1:30 pm	Lunch Break (On your own)
1:30 - 3:30 pm	<b>Symposium 9</b> — <a href="#">In Memoriam Leslie G. Ungerleider (1946-2020)</a> , Sabine Kastner, Chair, <i>Grand Ballroom B/C</i>
▶ 1:30 - 1:38 pm	Introduction
▶ 1:38 - 2:04 pm	<b>Talk 1:</b> Primate Parallel Pathways in Visual Areas and Beyond, Helen Barbas
▶ 2:04 - 2:30 pm	<b>Talk 2:</b> The Essential Interaction of Function and Anatomy in Primate Vision, Chris Baker
▶ 2:30 - 2:56 pm	<b>Talk 3:</b> On the Relevance of Gamma Oscillations for Figure-Ground Segregation in Visual Textures, Peter De Weerd
▶ 2:56 - 3:22 pm	<b>Talk 4:</b> Face Patches and Circuitry in Human and Non-Human Inferotemporal Cortex, Marlene Behrmann
▶ 3:22 - 3:30 pm	Q&A with the Audience
1:30 - 3:30 pm	<b>CC</b> <b>Symposium 10</b> — <a href="#">The Brain is Complex: Have we Been Studying it all Wrong?</a> , Brad Postle, Chair, <i>Grand Ballroom A</i>

- ▶ 1:30 - 1:38 pm
- ▶ 1:38 - 2:04 pm
- ▶ 2:04 - 2:30 pm
- ▶ 2:30 - 2:56 pm
- ▶ 2:56 - 3:22 pm
- ▶ 3:22 - 3:30 pm

Introduction  
**Talk 1:** The Entangled Brain, Luiz Pessoa  
**Talk 2:** A Perspective from Network Neuroscience, Lucina Uddin  
**Talk 3:** Modular Brain, Entangled Argument, John Krakauer  
**Talk 4:** Not Every Thing Must Go, Felipe De Brigard  
 Q&A with the Audience

**CC Symposium 11 — [Altered States of Cognition: The Acute and Persisting Consequences of Psychedelic Drugs on Cognition](#)**, Manoj Doss, Chair, *Bayview Room*

- ▶ 1:30 - 1:38 pm
- ▶ 1:38 - 2:04 pm
- ▶ 2:04 - 2:30 pm
- ▶ 2:30 - 2:56 pm
- ▶ 2:56 - 3:22 pm
- ▶ 3:22 - 3:30 pm

Introduction  
**Talk 1:** LSD-Altered Spatial Cognition with Tetrode Recording of Hippocampal Place Cells, Carli Domenico  
**Talk 2:** The Current State of Research on the Impact of Psychedelics on Episodic Memory, Manoj Doss  
**Talk 3:** Spontaneous and Deliberate Creative Cognition During and After Psilocybin Exposure, Natasha L Mason  
**Talk 4:** Beliefs, Psychedelics, and the Brain, Philip Corlette  
 Q&A with the Audience

1:30 - 3:30 pm

**Symposium 12 — [Methodological Advances in the Study of Autobiographical Memory](#)**, Roni Setton, Chair, *Seacliff Room*

- ▶ 1:30 - 1:38 pm
- ▶ 1:38 - 2:04 pm
- ▶ 2:04 - 2:30 pm
- ▶ 2:30 - 2:56 pm
- ▶ 2:56 - 3:22 pm
- ▶ 3:22 - 3:30 pm

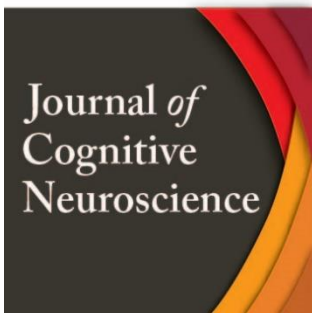
Introduction  
**Talk 1:** Age and Individual Differences in Autobiographical Memory Relate to Default Network Connectivity, Roni Setton  
**Talk 2:** Autobiographical Memory Recall in a Spontaneous Flow of Thoughts, Hongmi Lee  
**Talk 3:** New Insights into the Link Between Visual and Mnemonic Processing during Autobiographical Retrieval, Signy Sheldon  
**Talk 4:** Event-Level Neural Representations as a Window to the Content of Past Episodes, Asieh Zadbood  
 Q&A with the Audience

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