



BAMM-12

AUGUST 24, 2015

UNIVERSITY OF CALIFORNIA, DAVIS

8:00 AM – 5:10 PM

ORGANIZING COMMITTEE:

**ARNE EKSTROM
CHARAN RANGANATH
ANTHONY WAGNER
ANDY YONELINAS
ADAM GAZZALEY**

SPONSORED BY:

**CENTER FOR MIND AND BRAIN
CENTER FOR NEUROSCIENCE**

Schedule of Events

8:00 – 9:00 AM Arrival, registration, coffee, and snacks

Talk Session 1: Human episodic memory and the interface between episodic and semantic memory

- 9:00 – 9:20 AM **Alex Clarke, UC Davis and University of Cambridge**
Learning warps object representations in the ventral temporal cortex
- 9:20 – 9:40 AM **Michael S. Cohen, UCLA**
Dual process dissociations reveal how free recall tests interspersed during learning can bolster the efficacy of value-driven strategy use
- 9:40 – 10:00 AM **Bo (Eric) Wang, UC Davis**
Effect of post-encoding emotion on recollection and familiarity for pictures
- 10:00 – 10:20 AM **Ben Kubit, UC Davis**
How the brain codes music-evoked autobiographical memories
- 10:20 – 10:40 AM Coffee and snack break

Talk Session 2: Working memory in a basic research and clinical context

- 10:40 – 11:00 AM **Anna Jafarpour, UC Berkeley**
Multivariate pattern classification analysis of category information in working memory: an MEG study
- 11:00 – 11:20 AM **Michelle Madore, Stanford**
An ecologically valid method for assessment of working memory and planning for veterans with brain injury: a pilot study

- 11:20 – 11:40 AM **Nader Noori, USC**
Amending the standard view: bringing both long-term memory resources and spatial attention resources into the functional architecture of working memory
- 11:40 – 12:00 PM **Sebastian Markett, UC Berkeley**
Susceptibility to everyday cognitive failure is reflected in functional network interactions in the resting brain
- 12:00 – 1:00 PM Lunch break (catered by Dos Coyotes)

1:00 – 2:00 PM **Poster presentation session**

Aiden Arnold, UC Davis	Ravikumar Ponnusamy, Stanford
Ian Ballard, Stanford	Amber Schedlbauer, UC Davis
Alyssa Borders, UC Davis	Grant Shields, UC Davis
Thackery Brown, Stanford	AJ Simon, UCSF
Atoossa Fahimi, Stanford	Jared Stokes, UC Davis
Yana Fandakova, UC Davis	Gautam Tammewar, UCSF
Robin Goodrich, UC Davis	Kazumasa Tanaka, UC Davis
Marika Inhoff, UC Davis	Josh Volponi, UCSF
Elizabeth Johnson, UC Berkeley	Holly Wakeman, Stanford
Andrew McCullough, UC Davis	Sarah White, UC Davis
Yuki Nakazawa, UC Davis	Jinchen Yang, UC Davis
Namita Padgaonkar, UCSF	

Talk Session 3: Spatial navigation, sequence, and habit learning

- 2:00 – 2:20 PM **Lindsay Vass, UC Davis**
Hippocampal low-frequency oscillations elicited during virtual navigation persist in the absence of visual and self-motion cues
- 2:20 – 2:40 PM **Renee Shimizu, UCLA**
Transfer of sequence knowledge derives from cerebellar involvement during encoding

- 2:40 – 3:00 PM **Branden Kolarik, UC Davis**
Damage to the medial temporal lobe impairs spatial precision and spatiotemporal binding while sparing allocentric memory
- 3:00 – 3:20 PM **Tara Patterson, UCLA**
A meta-analytic review of human habit learning
- 3:20 – 3:40 PM **Nichole Bouffard, UC Davis**
Temporal encoding strategies produce comparable boosts in free recall performance to spatial encoding strategies
- 3:40 – 4:00 PM Coffee break

Talk Session 4: Hippocampal subfields in rodents and humans: basic research and clinical implications

- 4:00 – 4:20 PM **Natalia Tchemodanov, UCLA**
Memory related theta gamma coupling in human hippocampal CA1 subfield
- 4:20 – 4:40 PM **Maja Djurasic, Stanford**
Enhancing learning and memory via the presynaptic action of PirB receptor
- 4:40 – 5:00 PM **Fatemeh Mojabi, Stanford**
Increased GABA-ergic innervation in the dentate gyrus of the Ts65Dn mouse model of Down syndrome
- 5:00 – 5:10 PM Concluding remarks (Arne Ekstrom)
- 6:00 PM Dinner/Social
Sudwerk Restaurant and Brewery
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