UCSD & The University of Chicago present:
**MURI Winter School 2016**
**Dynamics of Multifunction Brain Networks: Sequences and Syntax**
**January 6-8, 2016**
**15th Floor, Building 1, Village West, UCSD**

**Wednesday, January 6, 2016**

8:15 am – 8:55 am  Registration & Continental Breakfast
8:55 am – 9:00 am  Welcome Remarks: Howard Nusbaum, Misha Rabinovich, Tim Gentner
Moderator: **Tim Gentner**
9:00 am – 10:30 am  **Edward Chang, UC San Francisco:** A basic overview of high-order auditory speech processing in humans
10:30 am – 10:45 pm  **Coffee break**
10:45 am – 12:15 pm  **Christopher Conway, Georgia State University:** Structured sequence processing: Underlying principles, mechanisms, and constraints
12:15 pm – 1:45 pm  **Lunch**
Moderator: **Howard Nusbaum**
1:45 pm – 3:15 pm  **Nicholas Turk-Browne, Princeton University:** Sequential learning in the mind and brain
3:15 pm – 3:30 pm  **Coffee break**
3:30 pm – 5:00 pm  **Dean Buonomano, UCLA:** Telling time with neural dynamics

**Thursday, January 7, 2016**

8:30 am – 9:00 am  Continental Breakfast
Moderator: **Misha Rabinovich**
9:00 am – 10:30 am  **Edward Chang, UC San Francisco:** Human auditory cortex functional organization in speech processing
10:30 am – 10:45 pm  **Coffee break**
10:45 am – 12:15 pm  **T. Florian Jaeger, University of Rochester:** Living in an ever-changing world: Consequences for ideal observers
12:15 pm – 1:45 pm  **Lunch**
Moderator: **Henry Abarbanel**
1:45 pm – 3:15 pm  **Chris Petkov, Newcastle University:** Sequence learning and language evolution Part I: Quantifying behavioral complexity
3:15 pm – 5:00 pm  **Poster Session with Light Refreshments**

**Friday, January 8, 2016**

8:30 am – 9:00 am  Continental Breakfast
Moderator: **Gert Cauwenberghs**
9:00 am – 10:30 am  **Nicholas Turk-Browne, Princeton University:** Extraction of temporal regularities by the medial temporal lobe
10:30 am – 10:45 pm  **Coffee break**
10:45 am – 12:15 pm  **Chris Petkov, Newcastle University:** Sequence learning and language evolution Part II: Networks and dynamics in the primate brain
12:15 pm – 1:45 pm  **Lunch**
Moderator: **Tim Gentner**
1:45 pm – 3:15 pm  **T. Florian Jaeger, University of Rochester:** Lack of invariance in the linguistic signal: Consequences for language processing
3:15 pm – 3:30 pm  **Coffee break**
3:30 pm – 5:00 pm  **Christopher Conway, Georgia State University:** The role of sequence processing and prediction in typical and atypical language development

For more information please see the BioCircuits Institute website at biocircuits.ucsd.edu