

<b>Jan 8, 2024</b> <b>UCSD</b>		<b>Winter School on Brains and Computation</b>	
9:00-9:05 am		<b>Maxim Bazhenov (UCSD)</b> Introduction	
<b>Session 1</b>			
9:05-9:45 am		<b>Earl Miller (MIT)</b> Cognition is an emergent property.	
9:45-10:25 am		<b>Ivan Soltesz (Stanford University)</b> Organization and control of hippocampal circuits	
10:25-11:00 am		<b>Break</b>	
<b>Session 2</b>			
11:00-11:40 am		<b>Eric Halgren (UCSD)</b> Human Cortical Integration: Sequential Hierarchy; Simple Activation; or Phase-locked Synchrony?	
11:40-12:20 pm		<b>Maxim Bazhenov (UCSD)</b> Can we simulate the dynamic complexity of the entire human brain?	
12:20-1:40 pm		<b>Lunch</b>	
<b>Session 3</b>			
1:40-2:20 pm		<b>Lyle Muller (University of Western Ontario)</b> Traveling waves in visual cortex: computations with spatiotemporal dynamics over retinotopic maps	
2:20-3:00 pm		<b>Terry Sejnowski (Salk and UCSD)</b> Transformers and Cortical Waves: Encoders for Pulling In Context Across Time	
3:00-3:30 pm		<b>Break</b>	
<b>Session 4</b>			
3:30-4:10 pm		<b>Gal Mishne (UCSD)</b> Learning the dynamics of functional connectivity	
4:10-4:50 pm		<b>Yusi Chen (University of Washington)</b> How action shapes compressed representation in computational hierarchy	
4:25-4:35 pm		<b>Break</b>	
4:35-5:00 pm		<b>Terry Sejnowski (Salk and UCSD)</b> Closing remarks	

**REGISTRATION:** There is no registration fee for this conference, but pre-registration is required:

<https://forms.gle/Lupa3i8ni7pDo4pn7>

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Cyndi Meeves ([cmeeves@ucsd.edu](mailto:cmeeves@ucsd.edu)) – logistics questions (pre-event only)

**Location:** UCSD, Seventh College, Building 1 West  
15A & B Conference Room  
Seventh College: 10176 Scholar's Drive, La Jolla, CA, 92093  
Please take the elevator up to the 15<sup>th</sup> Floor

Virtual Map: <https://map.concept3d.com/?id=1005#!m/583770>

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