



The Tianqiao and Chrissy Chen Institute for Neuroscience

Computational Approaches to Neuroscience Workshop  
Saturday, November 18<sup>th</sup> 10am – 3pm

Opening Remarks from Richard Anderson, Director of the T&C Chen Brain-Machine Interface Center and David Anderson, Director of the Tianqiao and Chrissy Chen Institute for Neuroscience

Session 1: The Chen Institute Director and Chen Center Directors will review the contribution of computational neuroscience at Caltech. Each 10 minute presentation will be followed by 2 minutes of questions.

David Anderson, Director of the Tianqiao and Chrissy Chen Institute for Neuroscience  
Doris Tsao, Director of the T & C Chen Center Systems Neuroscience  
Colin Camerer, Director of the T & C Chen Center for Social and Decision Making Neuroscience  
Ralph Adolphs, Director of the Caltech Brain Imaging Center  
Viviana Gradinaru, Director of the Center for Molecular and Cellular Neuroscience

Break – 10 min

Session 2: Caltech researchers currently using computational tools in neuroscience share their experiences. Each 12 minute presentation will be followed by 3 minutes of questions.

Tyson Aflalo, Senior Scientific Researcher, Andersen Lab  
Ann Kennedy, Postdoctoral Scholar in Biology & Biological Engineering,  
Francisco Luongo, Postdoctoral Scholar in Biology & Biological Engineering, Tsao Lab  
John O’Doherty, Professor of Psychology, Humanities and Social Sciences  
Matt Thomson, Assistant Professor of Computational Biology, Biology and Biological Engineering

LUNCH - 12.30pm – 1:45pm

Session 3: Caltech Neuroscience faculty discuss challenges facing computational approaches in neuroscience. Each 12 minute talk will be followed by 3 minutes of questions.

Lior Pachter, Bren Professor of Computational Biology and Computing and Mathematical Sciences, Biology and Biological Engineering  
Justin Bois, Lecturer in Biology and Biological Engineering, Biology and Biological Engineering  
Markus Meister, Anne P. and Benjamin F. Biaggini Professor of Biological Sciences, Biology and Biological Engineering  
Pietro Perona, Allen E. Puckett Professor of Electrical Engineering, Engineering and Applied Science

Closing Remarks from David Anderson, Director of the Tianqiao and Chrissy Chen Institute for Neuroscience