

COMPUTATIONAL & COGNITIVE NEUROBIOLOGY

Suzhou Dushu Lake Conference Center July 11 – 24, 2010 Application deadline: April 15, 2010

Arranged by:

Xiao-Jing Wang, Yale University School of Medicine, USA Si Wu, Institute of Neuroscience, Shanghai, China Upinder S Bhalla, Natl Ctr Biological Sci, Bangalore, India Zachary F Mainen, Instituto Gulbenkian de Ciência, Portugal

Computational and cognitive neurobiology are playing an increasing important role in advancing our understanding of the neural basis of behavior. To foster this field in China and other Asian countries, and to help attract young talented students and postdocs to the field, we have developed a new summer school program to be held at a purpose-built academic center in Suzhou, China.

This summer course will provide an introduction to theoretical concepts and computational methods in neuroscience. The course will cover the basics of computational neuroscience, ranging from models of single neurons, dendritic processing, subcellular signaling dynamics, short-term and long-term plasticity, neural population coding and variability, to feed forward and recurrent networks, sensory processing and motor behavior, and higher cognitive functions such as working memory, selective attention and decision making. Lectures from top-notch computational and systems neuroscientists will provide an opportunity for students to learn about cutting-edge issues. Matlab-based programming labs coordinated with the lectures will provide practical training in important computational methods.



Please note that significant stipends are available to offset tuition, board and lodging costs. In particular, we have earmarked support for qualified applicants from China and India. No payment is due until after selection decisions are made but any applicant requiring support should request this in writing. Travel stipends may also be available on a case by case basis depending on need and geographical origin of applicant.

We look forward to seeing you at Suzhou in July.

Cold Spring Harbor Asia Conferences - www.csh-asia.org

Invited Speakers

Larry Abbott, Columbia University, USA Carlos Brody, Princeton University, USA Robert Desimone. MIT, USA Yang Dan, UC Berkeley, USA Kenji Doya, Okinawa Institute of Science and Technology, Japan Michael Hausser, University College London, UK Eve Marder, Brandels University, USA Barry Richmond, National Institutes of Health, USA Mike Shadlen, University of Washington, USA Keiji Tanaka, RIKEN Brain Science Institute, Japan Daniel Wolpert, University of Cambridge, UK

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