

The 88th Cold Spring Harbor Laboratory Symposium on Quantitative Biology

Brain Body Physiology

May 29 - June 2, 2024

Poster abstract deadline: March 8, 2024



- Neuroimmune axis
- Brain-organ-microbiome signaling
- Neuroendocrine axis
- Neuro-metabolic crosstalk
- Neuro-respiratory axis
- Other brain-body axes (skin, heart etc)
- Interoception & nociception
- Brain-gut axis
- Brain-machine interface
- Neuro-oncologic crosstalk
- Axis disruption in disease
- Sex differences in brain-body axes
- Maternal/fetal development

Organizers: Rebecca Leshan, David Stewart & Bruce Stillman, *Cold Spring Harbor Laboratory*

Invited Speakers:

Mark Andermann, Beth Israel Deaconess Medical Center
Polina Anikeeva, MIT McGovern Institute for Brain Research
Diego Bohorquez, Duke University
Jeremy Borniger, Cold Spring Harbor Laboratory
Jens Bruning, Max Planck Institute for Metabolism Research, Germany
Peng Cao, National Institute of Biological Sciences, China
Rui Chang, Yale School of Medicine
Isaac Chiu, Harvard Medical School
Yang Dan, University of California, Berkeley
Ted Dawson, Johns Hopkins University School of Medicine
Ivan de Araujo, Max Planck Institute for Biological Cybernetics, Germany
Andrew Dillin, University of California, Berkeley
Catherine Dulac, Harvard University
Richard Flavell, Yale University School of Medicine
Jeffrey Friedman, The Rockefeller University/HHMI
Yu Fu, A*STAR, Singapore

David Ginty, Harvard University/HHMI
Viviana Gradinaru, Caltech
Chenghua Gu, Harvard Medical School
Danyang He, Westlake University, China
Holly Ingraham, University of California, San Francisco
David Julius, University of California, San Francisco
Adam Kepecs, Washington University School of Medicine, St. Louis
Zachary Knight, University of California, San Francisco
Bo Li, Cold Spring Harbor Laboratory
Yin Liu, HHMI/Janelia Research Campus
Ruslan Medzhitov, Yale University/HHMI
Michelle Monje-Deisseroth, Stanford University
Daniel Mucida, The Rockefeller University
Alexander Nectow, Columbia University
Yuki Oka, Caltech
Lisa Osborne, The University of British Columbia, Canada
Ardem Patapoutian, The Scripps Research Institute

Carlos Ribeiro, Champalimaud Centre for the Unknown, Portugal
Asya Rolls, Technion, Israel
Michael Schwartz, University of Washington
Michal Schwartz, Weizmann Institute of Science, Israel
Greg Seong-Bae Suh, Korea Advanced Institute of Science & Technology, Korea
Erica Sloan, Monash University, Australia
Dana Small, Yale University School of Medicine
Scott Sternson, University of California, San Diego
Xin Sun, University of California, San Diego
Filip Swirski, Icahn School of Medicine at Mount Sinai
Christopher Thaiss, Perelman School of Medicine, University of Pennsylvania
Jessica Tollkuhn, Cold Spring Harbor Laboratory
Kevin Tracey, Feinstein Institute for Medical Research
Kay Tye, Salk Institute for Biological Studies
Jose Henriques Veiga-Fernandes, Champalimaud Foundation, Portugal
Li Ye, Scripps Research Institute
Charles Zuker, Columbia University



Cold Spring Harbor Laboratory
MEETINGS & COURSES PROGRAM

Phone: 516-367-8346 • Email: meetings@cshl.edu • Web: meetings.cshl.edu/symp24

Image: Brain's Fusion of Circuit & Nature Artwork: Neural-Artistry.com Poster design: Meredith Cassuto