



## MEETING AGENDA

# The Nervous System in Cancer

The Banbury Center, Cold Spring Harbor Laboratory, New York, USA  
December 10-13, 2019

This meeting was funded by **Cygnal Therapeutics**

### Organizers:

Sarah Knox, University of California, San Francisco  
Michelle Monje, Stanford University  
Timothy Wang, Columbia University

The nervous system critically modulates development, homeostasis, and plasticity. A similarly powerful role for neural regulation of the cancer microenvironment is emerging. Neurons promote the growth of cancers in many tissue types. Parallel mechanisms shared in development and cancer suggest that neural modulation of the tumor microenvironment may prove a universal theme, although the mechanistic details of such modulation remain to be discovered for many malignancies. This meeting convened experts to discuss both local and systemic crosstalk between the nervous system and cancer, and the emerging principles of cancer neuroscience.

## TUESDAY, DECEMBER 10

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**Afternoon** Participant Arrivals

**6:00 pm** Reception, dinner

## WEDNESDAY, DECEMBER 11

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**7:15 am** Breakfast

**8:30 am** **Welcome and Introductory Remarks**

Rebecca Leshan, Executive Director, The Banbury Center  
Sarah Knox, University of California, San Francisco, USA  
Michelle Monje, Stanford University, Stanford, USA  
Timothy Wang, Columbia University, New York, USA  
Jonathan Hurov, Cygnal Therapeutics, Cambridge, USA



**9:15 am SESSION 1: Neural Regulation of Development, Plasticity, and Regeneration**

Alison Lloyd, University College London, United Kingdom  
Hubert Hondermarck, The University of Newcastle, Callaghan, Australia  
Sarah Knox, University of California, San Francisco, USA  
Rosalind Segal, Harvard University, Boston, USA  
Michael Taylor, University of Toronto, Canada

**12:30 pm** Luncheon

**2:00 pm SESSION 2: Neural-Immune Interactions**

Kevin Tracey, The Feinstein Institute for Medical Research, Manhasset, USA  
Xin Sun, University of California, San Diego, USA  
Erica Sloan, Monash University, Parkville, Australia  
David Gutmann, Washington University, St. Louis, USA

**6:00 pm** Reception, dinner

## THURSDAY, DECEMBER 12

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**7:15 am** Breakfast

**8:30 am SESSION 3: Neural Regulation of Primary Brain Cancers**

Michelle Monje, Stanford University, Stanford, USA  
Livia Garzia, McGill University, Montreal, Canada  
Peter Dirks, Hospital for Sick Children, Toronto, Canada  
Frank Winkler, Universität Heidelberg, Heidelberg, Germany

**11:00 am SESSION 4: Neural Regulation of Endo-/Ectodermal Cancers**

Timothy Wang, Columbia University, New York, USA  
Faranak Fattahi, University of California, San Francisco, USA

**12:15 pm** Luncheon

**1:45 pm** Jami Saloman, University of Pittsburgh, Pittsburgh, USA  
Ruth White, Columbia University Medical Center, New York, USA  
Nisha D'Silva, University of Michigan, Ann Arbor, USA

**3:45 pm SESSION 5: Neural Regulation of Metastasis**

Paul Frenette, Albert Einstein College of Medicine, Bronx, USA  
Doug Hanahan, Ecole Polytechnique Fédérale de Lausanne, Switzerland

**6:00 pm** Reception, dinner



FRIDAY, DECEMBER 13

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**7:15 am** Breakfast

**8:30 am** **SESSION 6: Cancer Regulation of Neuronal Activity**

Benjamin Deneen, Baylor College of Medicine, Houston, USA

Claire Magnon, INSERM, Fontenay-aux-Roses, France

Shawn Hervey-Jumper, University of California, San Francisco, USA

Jeremy Borniger, Stanford University, Stanford, USA

**11:00 am** **SESSION 7: Meeting Summary, Wrap-up, and Next Steps**

**12:15 pm** Luncheon

**2:00 pm** Participant departures

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## MEETING PARTICIPANTS

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Daniel Blom, Cygnal Therapeutics  
Jeremy Borniger, Stanford University  
Nisha D'Silva, University of Michigan  
Benjamin Deneen, Baylor College of Medicine  
Peter Dirks, Hospital for Sick Children, Toronto  
Faranak Fattahi, University of California, San Francisco  
Paul Frenette, Albert Einstein College of Medicine  
Livia Garzia, McGill University  
David Gutmann, Washington University  
Douglas Hanahan, Ecole Polytechnique Fédérale de Lausanne  
Shawn Hervey-Jumper, University of California, San Francisco  
Hubert Hondermarck, The University of Newcastle, Australia  
Pearl Huang, Cygnal Therapeutics  
Jonathan Hurov, Cygnal Therapeutics  
Chamelli Jhappan, National Cancer Institute  
Adam Kepecs, Cold Spring Harbor Laboratory  
Sarah Knox, University of California, San Francisco  
Alexandra Lantermann, Cygnal Therapeutics  
Alison Lloyd, University College London  
Shan Lou, Cygnal Therapeutics  
Claire Magnon, INSERM  
Barbara Marte, Nature  
Michelle Monje, Stanford University  
Grazia Piizzi, Cygnal Therapeutics  
Jami Saloman, University of Pittsburgh  
Rosalind Segal, Harvard University  
Erica Sloan, Monash University  
Xin Sun, University of California, San Diego  
Michael Taylor, University of Toronto  
Kevin Tracey, The Feinstein Institute for Medical Research  
Lloyd Trotman, Cold Spring Harbor Laboratory  
David Tuveson, Cold Spring Harbor Laboratory  
Timothy Wang, Columbia University  
Ruth White, Columbia University Medical Center  
Frank Winkler, Universität Heidelberg