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

Afternoon  Participant Arrivals

6:00 pm  Reception, dinner

WEDNESDAY, DECEMBER 11

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**  

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

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

— END OF PROGRAM —
MEETING PARTICIPANTS

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