



MEETING AGENDA

New Approaches to Enduring Questions in Regenerative Biology

April 3-6, 2022

The Banbury Center, Lloyd Harbor, New York

This meeting was funded by Genentech and
the Cold Spring Harbor Laboratory Corporate Sponsor Program

Organizers:

Elizabeth Duncan, University of Kentucky;
Ashley Seifert, University of Kentucky; and
Ricardo Zayas, San Diego State University

Although research in regenerative model organisms has shed light on molecular pathways and cellular lineages that contribute to regeneration, many age-old questions remain as to how these insights inform constraints or drivers across broad phylogenetic distances. Participants in this meeting considered how basic research can advance our understanding of regenerating versus non-regenerating species, what new tools and technologies will be needed to sustain progress, and the potential applications of these advances to create the next-generation of regenerative therapeutics.

SUNDAY, APRIL 3

Afternoon Arrivals and check-in

6:00 pm Reception and dinner

MONDAY, APRIL 4

7:15 am Breakfast

8:20 am **Welcome, Opening Remarks, and Meeting Objectives**
Rebecca Leshan, Executive Director, The Banbury Center
Ashley Seifert, University of Kentucky, Lexington, USA



- 8:45 am** **SESSION 1: Unresolved Questions in Regenerative Biology: Past and Present**
Malcolm Maden, University of Florida, Gainesville, USA
Kryn Stankunas, University of Oregon, Eugene, USA
Celina Juliano, University of California, Davis, USA
Phillip Newmark, Morgridge Institute for Research at the University of Wisconsin, Madison, USA
Jennifer Simkin, Louisiana State University Health, New Orleans, USA
- 12:00 pm** Luncheon
- 1:45 pm** **BREAKOUT I: Major Unsolved Questions in Regeneration**
Elizabeth Duncan, University of Kentucky, Lexington, USA
- 2:00 pm** Breakout groups
- 4:00 pm** **BREAKOUT I: Reporting**
- 6:00 pm** Reception and dinner

TUESDAY, APRIL 5

- 7:15 am** Breakfast
- 8:30 am** **SESSION 2: Technological Innovation Meets Barriers in Regeneration Research**
Mansi Srivastava, Harvard University, Cambridge, USA
Bo Wang, Stanford University, Stanford, USA
Sarah Calve, University of Colorado, Boulder, USA
Jay Lee, Cold Spring Harbor Laboratory, Cold Spring Harbor, USA
Maria Barna, Stanford University, Stanford, USA
- 12:00 pm** Luncheon
- 1:45 pm** **BREAKOUT II: Practical and Technological Barriers to Progress in Regeneration Research**
Ricardo Zayas, San Diego State University, San Diego, USA
- 2:00 pm** Breakout groups
- 4:00 pm** **BREAKOUT II: Reporting**
- 6:00 pm** Reception and dinner



WEDNESDAY, APRIL 6

- 7:15 am Breakfast
- 8:25 am **SESSION 3: Leveraging Biology to Advance Regenerative Medicine**
Jeff Biernaskie, University of Calgary, Canada
Francesca Mariani, University of Southern California, Los Angeles, USA
Tatiana Sandoval-Guzman, Technische Universitat, Dresden, Germany
- 10:30 pm **SESSION 4: Meeting Summary, Wrap-Up, Next Steps**
- 12:15 pm Luncheon
- 2:00 pm Participant departures

— END OF PROGRAM —



MEETING PARTICIPANTS

Carrie Adler, Cornell University

Maria Barna, Stanford University

Jeff Biernaskie, University of Calgary

Sarah Calve, University of Colorado - Boulder

Josh Currie, Wake Forest University

Beth Duncan, University of Kentucky

Celina Juliano, University of California, Davis

Jay Lee, Cold Spring Harbor Laboratory

Malcolm Maden, University of Florida

Francesca Mariani, University of Southern California

Phillip Newmark, Morgridge Institute for Research, University of Wisconsin

Bret Pearson, Oregon Health & Science University

Tania Rozario, University of Georgia

Tatiana Sandoval Guzmán, Center for Regenerative Therapies, TU Dresden

Ashley Seifert, University of Kentucky

Jennifer Simkin, Louisiana State University Health

Mansi Srivastava, Harvard University

Kryn Stankunas, University of Oregon

Bo Wang, Stanford University

Ricardo Zayas, San Diego State University