Stem Cells, Cell Therapies, and Bioengineering in Lung Biology
PRE-CONFERENCE WORKSHOP ~ July 15, 2019

**Track 1: Practical/Theoretical Course on State-of-the-Art Methods in Stem Cells, Cell Therapies, and Bioengineering**

Led by: Darcy Wagner, PhD, Lund University and Dan Weiss, PhD, University of Vermont

9:00-11:45 AM  **Rotating stations for laboratory techniques:**
- Decellularization of rodent lungs (Weiss Lab)
- Virtual Reality for Single Cell Seq (Soneji Lab)
- Preparations for precision cut lung slices (Wagner lab)
- 4D Imaging (Wagner Lab)
- Gene editing (Ryan Lab)
- Ex vivo culture (Gilpin)
- Industry-sponsored technologies (TBD)

12:00-1:00 PM  Lunch with industry representatives

1:00-2:30 PM  **Rotating stations for laboratory techniques:** (as above)

2:30-2:45 PM  Coffee and networking break

2:45-4:00 PM  **Rotating stations for laboratory techniques:** (as above)

**Track 2: Professional Skills Course: Introduction to Technology Commercialization and Business Communication**

Led by: Chelsea Magin, University of Colorado Denver and Erik Monsen, University of Vermont

9:00-10:00 AM  **Innovation and Product Conceptualization at the Benchtop**
Adam Feinberg, PhD, Associate Professor, Arthur Hamerschlag Career Development Professor, Departments of Biomedical Engineering and Materials Science and Engineering, Carnegie Mellon University

10:00-11:00  **Commercializing your Technology: A Guide for Academic Researchers**
Joan Herbers, PhD, Professor Emeritus, The Ohio State University

11:00-11:45  **Elevator Pitch Workshop Part 1:** Our panel will coach you through the dos and don’ts of a winning elevator pitch. Led by: Chelsea Magin, PhD, University of Colorado Denver; Erik Monsen, PhD, University of Vermont

12:00-1:00 PM  Lunch with industry representatives

1:00-2:30  **Elevator Pitch Workshop Part 2:** You will work in teams to hone your new skills. Each team will have a fact sheet describing their technology. They will develop and deliver a pitch to our panel for critique.

2:30-2:45  Coffee and networking break

2:45-3:15  **Transitioning from Academia to a Commercial Product, Common Regulatory Pitfalls**
Robert Lindblad, MD, Chief Medical Officer, Production Assistance for Cellular Therapies

3:15-4:00  **Commercializing Innovations by Balancing the Intersection of Science and Finance**
Ethan E. Mann, PhD, Vice President of Marketing and Sales, Sharklet Technologies, Inc.