

Stem Cells, Cell Therapies, and Bioengineering in Lung Biology

PRE-CONFERENCE WORKSHOP ~ July 15, 2019

8:25 AM Shuttle bus from hotel (Hotel Vermont/Courtyard Marriott) to UVM Stafford Hall
8:30-9:00 Continental Breakfast ~ Stafford Hall

Track 1: Practical/Theoretical Course on State-of-the-Art Methods in Stem Cells, Cell Therapies, and Bioengineering ~ Stafford Hall, Rooms 101, 103, 104

Led by: *Darcy Wagner, PhD, Lund University and Daniel J. Weiss, MD, PhD, University of Vermont*

9:00-11:45 AM Rotating Stations for Laboratory Techniques:

- Decellularization of rodent lungs (Dan Weiss Lab)
- Virtual Reality for Single Cell Seq (Shamit Soneji Lab)
- Preparations for precision cut lung slices (Darcy Wagner lab)
- 4D Imaging (Darcy Wagner Lab)
- Gene editing (Amy Firth Ryan Lab)
- Ex vivo culture (Sarah Gilpin)

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

1:00-2:30 Rotating Stations for Laboratory Techniques: (as above)

2:30-2:45 Coffee and networking break

2:45-4:00 Rotating Stations for Laboratory Techniques: (as above)

Track 2: Professional Skills Course: Introduction to Technology Commercialization and Business Communication ~ Rowell Hall, Room 102

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

9:00-10:00 AM Innovation and Product Conceptualization at the Benchtop

Adam Feinberg, PhD, 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 Strategic Growth to Support Right-Sized Manufacturing and Regulatory Goals

Ethan E. Mann, PhD, Vice President of Marketing and Sales, Sharklet Technologies, Inc.

4:20 PM Shuttle bus from Stafford Hall to hotels (Hotel Vermont/Courtyard Marriott)