

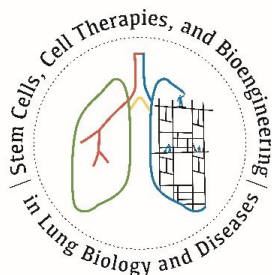
20th Anniversary

Stem Cells, Cell Therapies and Bioengineering in Lung Biology and Diseases Conference



July 7-10, 2025
University of Vermont,
Burlington, Vermont

Stem Cells, Cell Therapies, and Bioengineering in Lung Biology and Diseases Conference



2025 Executive Committee:

Conference Chairs: Amy L. Ryan, PhD
University of Iowa, Iowa City, IA
Robert E. Hynds, PhD
University College London, United Kingdom

Vice Chair: Claudia Loebel, PhD
University of Michigan, Ann Arbor, MI

Founder and Emeritus Chair: Daniel J. Weiss, MD, PhD
(2005-2015) University of Vermont, Burlington, VT

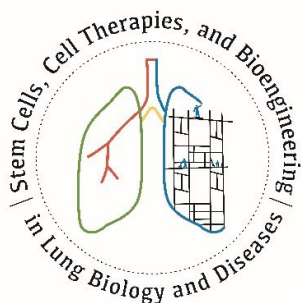
Emeritus Chair: Darcy Wagner, PhD
(2017-2019) Lund University, Sweden

Senior Organizing Committee:

Janette Burgess, PhD, University Medical Center Groningen, Groningen, NL
Laertis Ikonomou, PhD, University at Buffalo, Buffalo, NJ
Jamie Hook, MD, PhD, Mount Sinai, New York, NY
Jaymin Kathiriya, PhD, Mount Sinai, New York, NY
Harry Karmouty-Quintana, PhD, University of Texas Health Science Center at Houston, Houston, TX
Anna Krasnodembskaya, PhD, Queen's University, Belfast, United Kingdom
Ruth Olmer, PhD, Hannover Medical School, Hannover, Germany
Laure-Emmanuelle Zaragosi, PhD, Université Côte d'Azur, Sophia-Antipolis, France

Junior Organizing Committee:

Junior Committee Chair: Sinem Koc-Günel, MD
University of Frankfurt, Frankfurt, Germany



20th Anniversary Celebration
**Stem Cells, Cell Therapies, and Bioengineering
in Lung Biology and Diseases**

High School STEM Day on Lung Science and Bioengineering

*Leaders: Amy Ryan, PhD, University of Iowa;
Bradford Smith, University of Colorado Denver | Anschutz Medical Campus
Daniel Weiss MD, PhD, University of Vermont*

AGENDA

MONDAY, JULY 7

- 8:00 AM Shuttle bus from XXX to UVM HSRF/Given Building
- 8:30-8:55 Continental Breakfast ~ **Stafford Hall, UVM campus**
- 8:55-9:00 Welcome and Introductions ~ **Breakfast Area**
- 9:00-9:40 **Wet Lab Activity**
Led by Bradford Smith, PhD (University of Colorado Denver | Anschutz Medical Campus, CO)
- 9:40-9:50 Refresh Break
- 9:50-10:30 **Career Pathways Panel Discussion**
Featuring both academic and industry representatives (to be finalized)
Moderated by Amy Ryan, PhD (University of Iowa, IA)
- 10:30-11:00 Coffee and Networking Break
- 11:00-12:30 PM **Laboratory Techniques Workshop Choice 1 or 2**
*Workshop 1: Using Precision Cut Lung Slices (PCLS) to Study Lung Biology & Disease
Led by Darcy Wagner, PhD (McGill University, Canada)*
*Workshop 2: Application of Organoids and Gene Editing to Study Lung Biology & Disease
Led by Dawei Sun, PhD (Broad Institute, MA)*
- 12:30-2:00 **Mentoring Lunch**
Each High School Student will be paired with a graduate student or postdoc for a mentoring lunch

2:00-2:40

Scientific Pathways (How did you get there)

Will feature two panelists with brief presentations on their career trajectory and current research (to be finalized)

Moderated by Bradford Smith, PhD (University of Colorado Denver | Anschutz Medical Campus, CO)

2:40-2:50

Refresh Break

2:50-3:30

Scientific Destinations (What you can do)

Will feature two panelists with brief presentations on their “different” careers and what their jobs entail (to be finalized)

Moderated by Bradford Smith, PhD (University of Colorado Denver | Anschutz Medical Campus, CO)

3:30-4:15

Coffee and Networking Session

4:20-4:40

Shuttle bus from Stafford Hall to the Courtyard Burlington Harbor Hotel

Optional Extras

- 1) Attendance at the Evening Scientific Session on Monday 7th after the workshop
- 2) Attendance throughout the entire conference (Monday 7th through Thursday 10th July)