

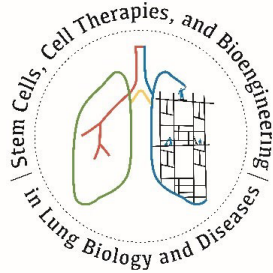
20th Anniversary
Stem Cells, Cell Therapies, and
Bioengineering in Lung Biology
and Diseases Conference



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

20th Anniversary

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, 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) McGill University, Montréal, Canada

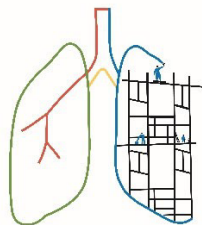
Senior Organizing Committee:

Janette Burgess, PhD, University Medical Center Groningen, Groningen, Netherlands
Laertis Ikonou, PhD, University at Buffalo, Buffalo, NY
Jaime Hook, MD, 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 Koç-Günel, MD
University of Frankfurt, Frankfurt, Germany

Outstanding Abstract Achievement Award Winners



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

These award winners will give oral presentations during the conference:

Sayali Dharmadhikari

Ohio State University and Nationwide Children's Hospital, Columbus, OH

Niamh McCarthy

University College London, London, UK

Aileen Schmidt

Leibniz Research Laboratories for Biotechnology and Artificial Organs (LEBAO), MHH,
Hannover, Germany

Megan Tarte

University of Vermont, Burlington, VT

Barbie Varghese

Carnegie Mellon University, Pittsburg, PA

Sally Yunsun Kim

Kings College, London, UK

Muyang Zhou

University of Toronto, Toronto, Canada

These award winners are Highly Commended for scoring in the top 10% of abstracts:

Shubha Murthy

University of Iowa, Iowa City, IA

Brett Wineinger

University of Iowa, Iowa City, IA

20th Anniversary

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

July 7-10, 2025

Hosted by: The University of Vermont

PRECONFERENCE AGENDA

MONDAY, JULY 7

8:30-4:00 PM **Pre-Conference Workshop** (*Optional*)

8:25 AM Shuttle bus from Hotel Vermont/Courtyard Marriott to UVM Stafford Hall

8:30-9:00 Continental Breakfast ~ Benedict Auditorium, Patrick Leahy Building

Practical Course on State-of-the-Art Methods in Stem Cells, Cell Therapies, and Bioengineering

Led by: *Amy Ryan, PhD, University of Iowa and Daniel J. Weiss, MD, PhD, University of Vermont and Robert Hynds, University College London*

8:55-9:00 Welcome and Introductions ~ **Benedict Auditorium**

9:00-10:30 **Wet-Lab: Laboratory Techniques Rotation 1, Dry-Lab: Bioinformatics**
(See Wet or Dry-Lab Track descriptions and locations listed below)

10:30-11:00 Coffee and Networking Break

11:00-12:30 PM **Wet-Lab: Laboratory Techniques Rotation 2, Dry-Lab: Bioinformatics**

12:30-2:00 Lunch and Networking Break

2:00-4:00 **Wet-Lab: Laboratory Techniques Rotation 3, Dry-Lab: Bioinformatics**

4:00-4:30 Coffee and Networking Session

4:20-4:40 Shuttle bus from Stafford Hall to hotels (Hotel Vermont/Courtyard Marriott)

4:20-4:40 *Transition to regular conference agenda*

PRECONFERENCE AGENDA

MONDAY, JULY 7

Wet-Lab Workshop Track A:

9:00-10:30 AM **Laboratory Techniques Rotation 1:**

Option A: **Using Precision Cut Lung Slices (PCLS) to Study Lung Biology & Disease ~ Stafford 102**
Led by Darcy Wagner, PhD (McGill University, Montréal, Canada)

Option B: **Application of Organoids and Hydrogels to Study Lung Biology & Disease ~ Stafford 103**
Led by Dawei Sun, PhD (Broad Institute, Cambridge, MA)

Option C: **Application of Flexivent to Study Biomechanical Regulation of Lung Function ~ Given E-405**
Led by Bradford Smith (University of Colorado Denver Anschutz Medical Campus, CO)

11:00-12:30 PM **Laboratory Techniques Rotation 2:**

Option A: **Using Precision Cut Lung Slices (PCLS) to Study Lung Biology & Disease ~ Stafford 102**
Led by Darcy Wagner, PhD (McGill University, Montréal, Canada)

Option B: **Application of Organoids and Hydrogels to Study Lung Biology & Disease ~ Stafford 103**
Led by Dawei Sun, PhD (Broad Institute, Cambridge, MA)

Option C: **Application of Flexivent to Study Biomechanical Regulation of Lung Function ~ Given E-405**
Led by Bradford Smith (University of Colorado Denver Anschutz Medical Campus, CO)

2:00-3:30 PM **Laboratory Techniques Rotation 3:**

Option A: **Using Precision Cut Lung Slices (PCLS) to Study Lung Biology & Disease ~ Stafford 102**
Led by Darcy Wagner, PhD (McGill University, Montréal, Canada)

Option B: **Application of Organoids and Hydrogels to Study Lung Biology & Disease ~ Stafford 103**
Led by Dawei Sun, PhD (Broad Institute, Cambridge, MA)

Option C: **Application of Flexivent to Study Biomechanical Regulation of Lung Function ~ Given E-405**
Led by Bradford Smith (University of Colorado Denver Anschutz Medical Campus, CO)

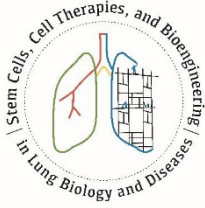
Dry-Lab Workshop Track B: Stafford 104

Onsite Assistance: Onsite Assistance: Chika Ikpechukwu, University of Vermont, VT

9:00-10:30 AM **Bioinformatics:** Bulk RNA seq visualization task ~ **Stafford 104**
Led by Martijn Nawijn, PhD (University Medical Center Groningen, NL)

11:00-12:30 PM **Bioinformatics:** Bulk RNA seq visualization task ~ **Stafford 104**
Led by Martijn Nawijn, PhD (University Medical Center Groningen, NL)

2:00-4:00 **Bioinformatics:** Single Cell RNA Sequencing ~ **Stafford 104**
Led by Martijn Nawijn, PhD (University Medical Center Groningen, NL)



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 L. Ryan, PhD, University of Iowa
Daniel J. Weiss MD, PhD, University of Vermont*

AGENDA

MONDAY, JULY 7

- 8:00 AM Arrive at UVM Stafford Building
- 8:30-8:55 AM Continental Breakfast ~ Benedict Auditorium, UVM campus
- 8:55-9:00 AM Welcome and Introductions ~ Benedict Auditorium
- 9:00-9:40 AM **Lab Activity - Air In, Air Out: Uncovering the Mechanics of Breathing and Lung Health - Part 1** ~ Marsh Life Room 129
Led by Amy Ryan, PhD, University of Iowa, Iowa City, IA
- 9:40-9:50 AM Refresh Break
- 9:50-10:30 AM **Lab Activity - Air In, Air Out: Uncovering the Mechanics of Breathing and Lung Health - Part 2** ~ Marsh Life Room 129
Led by Amy Ryan, PhD, University of Iowa, Iowa City, IA
- 10:30-11:00 AM Coffee and Networking Break
- 11:00-12:30 PM **Laboratory Techniques Workshop Options**
- Workshop 1: *Using Precision Cut Lung Slices (PCLS) to Study Lung Biology & Disease*
Led by Darcy Wagner, PhD (McGill University, Montréal, Canada)
- Workshop 2: *Application of Organoids and Gene Editing to Study Lung Biology & Disease*
Led by Dawei Sun, PhD (Broad Institute, Cambridge, MA)
- Workshop 3: *Application of Flexivent to Study Biomechanical Regulation of Lung Function*
Led by Bradford Smith (University of Colorado Denver/Anschutz Medical Campus, CO)

12:30-2:00 PM **Mentoring Lunch**

Each High School Student will be paired with a graduate student or postdoc for a mentoring lunch

2:00-2:40 PM **Scientific Pathways (How did you get there)**

Led by: Amy L. Ryan, PhD, University of Iowa, Iowa City, IA

Daniel J. Weiss, MD, University of Vermont, Burlington, VT

Join Dr. Amy Ryan and Dr. Dan Weiss as they share their personal journeys through science and medicine. This session will highlight the diverse routes into pulmonary and cardiopulmonary research, offering insights into pivotal decisions, challenges overcome, and the motivations that shaped their careers.

2:40-2:50 PM Refresh Break

2:50-3:30 PM **Scientific Destinations (What you can do)**

Led by: Amy L. Ryan, PhD, University of Iowa, Iowa City, IA

Daniel J. Weiss, MD, University of Vermont, Burlington, VT

Panel Members:

Qing Lu, Ph.D, DVM Program Director, National Heart Lung and Blood Institute, National Institutes of Health

David Kaminsky, PhD, University of Vermont, Burlington, VT

Theodore Marcy, MD MPH, University of Vermont, Burlington, VT

Shannon Wiehe, PharmD, Boehringer-Ingelheim, Ridgefield, CT

This interactive panel will showcase unconventional and inspiring career paths in the biomedical sciences. From biotech and policy to science communication and global health, panelists will discuss what a “day in the life” looks like beyond traditional research roles, offering students a broadened perspective on where scientific training can lead.

3:30-4:15 PM Coffee and Networking Session

4:20-4:40 PM Shuttle bus from Stafford Hall to the Courtyard Burlington Harbor Hotel

CONFERENCE AGENDA

MONDAY, JULY 7

4:30-5:30 PM **Welcome Reception** and Registration Check-In, Hotel Vermont

Transition to: *COURTYARD BURLINGTON HARBOR HOTEL, HARBOR ROOM*

Session I: Celebrating 20 Years of Progress in Lung Stem Cell Biology and Bioengineering

Moderators:

Daniel J. Weiss, MD, PhD, University of Vermont, Burlington, Vermont

Robert Hynds, PhD, University College London, UK, 2025 Conference Co-Chair

5:30-5:40 **Opening Remarks**
Marlene Tromp, PhD, President, University of Vermont, Burlington, VT

5:30-5:40 **Conference Recap**
Daniel J. Weiss, MD, PhD, University of Vermont, Burlington, VT

5:50-6:20 *Featured Presentation: 20 Years Later – Cell Therapies for Pediatric Lung Disease: Are we There Yet?*
Bernard Thébaud, MD, PhD, Ottawa Hospital Research Institute, Ottawa, Canada

6:20-6:50 *Featured Presentation: Improving Mucociliary Clearance in the Face of Climate Change*
Brigitte Gomperts, MD, University of California, Los Angeles, CA

6:50-7:00 *Break*

7:00-7:30 *Featured Presentation: Engineering Functional Tissues Using Matrix and Mechanics*
Laura Niklason, MD, PhD, Yale School of Medicine, New Haven, CT

7:30-8:00 *Featured Presentation: Pluripotent Stem Cells to Model and Treat Lung Disease*
Darrell Kotton, MD, Boston University, Boston, MA

8:00-8:30 *Featured Presentation: Breaking Down Barriers to Lung Repair and Regeneration: Alveolar Epithelial Cell Plasticity in Health and Disease*
Zea Borok, MD, University of California San Diego, San Diego, CA

TUESDAY, JULY 8

All sessions at the *Dudley H. Davis Center, UVM Campus, Grand Maple Ballroom.*

- 7:45-8:45 AM **Breakfast and [Breakfast Session I](#)**
What Editors Are Looking For (or How to Avoid Desk Rejection) ~ Panel Discussion
Moderator:
Janette Burgess, PhD, University Medical Centre, Groningen, Netherlands
- Panelists:*
Rory Morty, Chief Editor, European Respiratory Review
Julie Stacey, Editor-in-Chief, eBioMedicine
Andrew Halayko, Editor-in-Chief, American Journal of Respiratory Cell and Molecular Biology
- 8:45-9:00 AM Welcoming Remarks
Richard Page, MD, Dean, The Robert Larner College of Medicine, University of Vermont, Burlington, VT
- Amy Ryan, PhD and Robert Hynds, PhD – 2025 Conference Co-Chairs**
- Session II: [Endogenous Lung Stem Cells](#)**
Moderators:
Laure-Emmanuelle Zaragosi, PhD, Université Côte d'Azur, Sophia-Antipolis, France
Jaymin Kathiriya, PhD, Mount Sinai, New York, NY
- 9:00-9:25 AM *Featured Presentation: Scrap and Reconstruction of Lung Fibrosis using Alveolar Organoid*
Mitsuru Morimoto, PhD, RIKEN Biosystems Dynamics Research, Kobe, Japan
- 9:25-9:50 *Featured Presentation: Loss of E-Cadherin in Airway Progenitor, but not Progeny Cells Causes Dysplastic Stressed Cells and Asthma-Like Phenotypes*
Xin Sun, PhD, UC San Diego, San Diego, CA
- 9:50-10:15 *Featured Presentation: Multi-Lineage Circuits in Regeneration*
Purushothama Rao Tata, PhD, Duke University, Durham, NC
- 10:15-10:30 *Outstanding Abstract Achievement Award Presentation: Pharmacologically Enhancing Progenitor Cell Induction After Lung Injury to Drive Alveolar Repair*
Sally Yunsun Kim, Kings College, London, UK
- 10:30-10:50 *Panel Discussion*
- 10:50-11:15 *Coffee and Networking Break*
- 11:15-11:20 Introductory Remarks
Kirk Dombrowski, PhD, Vice President for Research, University of Vermont, Burlington, VT

11:20-12:00

“Minute to Win it” Competition

One-minute elevator pitches for junior trainees. 1 slide, 1 minute buzzer, 2 prizes.

Moderator:

Daniel J. Weiss, MD, PhD, University of Vermont, Burlington, VT

Judge:

Kirk Dombrowski, VP for Research, University of Vermont, Burlington, VT

Corine Farewell, Director Innovations Office, UVM

Richard Page MD, Dean Larner College of Medicine, UVM

12:00-1:00 PM

MENTORING / MEET THE FACULTY LUNCH

1:00-2:30

Poster Session #1

Session III:

**The Dame Julia Polak Memorial Session on Bioengineering:
Lessons from Transplantation**

Moderators:

Harry Karmouty-Quintana, PhD, University of Texas Health Science Center, Houston, TX

Lei Wang, PhD, University Medical Center Groningen, Groningen, Netherlands

2:30-2:55

Featured Presentation: Novel Imaging Approaches to Lung Injury and Fibrosis

Anna Podolanczuk, MD, MS, Weill Cornell, New York, NY

2:55-3:20

Featured Presentation: Animal Models for Lung Transplantation

Kalpaj Parekh, MBBS, University of Iowa, Iowa City, IA

3:20-3:45

Featured Presentation: Crystal Ribcage: A Platform for Probing Real-Time Lung Microphysiology in Health and Disease

Hadi Nia, PhD, Boston University, Boston, MA

3:45-4:00

Outstanding Abstract Achievement Award Presentation: Embedded Bioprinting of Airway and Alveolar Stem Cells to Engineer Complex 3D Lung Tissue Architectures

Barbie Varghese, Carnegie Mellon University, Pittsburgh, PA

4:00-4:15

Panel Discussion

4:15-4:30

Coffee and Networking Break

Session IV: Careers in Lung Stem Cells, Cell Therapies, and Bioengineering

Moderator:

Amy Ryan, PhD, University of Iowa, Iowa City, IA

4:30-5:15

Featured Presentation: Recruiting, Developing and Training the Next Generation of Scientists Needed for Lung Regenerative Medicine

Darcy Wagner, PhD, McGill University, Montréal, Canada

5:15-6:30

Panel Discussion - From Labs to Lungs: Empowering the Next Generation of Scientists

Panelists:

Anne Dixon, MD, University of Vermont, Burlington, VT

Enid Neptune, MD, Johns Hopkins University, Baltimore, MD

Martine Rothblatt, MD, United Therapeutics, Silver Spring, MD

Noma Anderson, PhD, University of Vermont, Burlington, VT

WEDNESDAY, JULY 9

7:30-8:30 AM

Breakfast and Breakfast Session II

What Funders Are Looking For (or How to Get Your Grant)

Moderator:

Claudia Loebel, PhD, University of Michigan, MI

Panelist:

Katherine Tuggle, PhD, The Cystic Fibrosis Foundation

Darrell Kotton, MD ~ Boston University, Boston, MA

Zea Borok, MD ~ University of California San Diego, San Diego, CA

Session V: Lung Extracellular Matrix and Matrix-Based Therapies

Moderators:

Janette Burgess, PhD, University Medical Center Groningen, Netherlands

René Girard, MSc, University of Texas Health Science Center at Houston, Houston, TX

8:30-8:55

Featured Presentation: Quantifying Extracellular Matrix Stiffness within Intact Living Tissues

Ramaswamy Krishnan, PhD, Mechanobiologix, Watertown, MA

8:55-9:20

Featured Presentation: ECM Remodeling in the Vascular System and the Role of Soluble ECM Fragments

Grazyna Kwapiszewska, PhD, Medical University of Graz/Institute for Lung Health, Giessen, Germany

9:20-9:45

Featured Presentation: Tissue Engineered Avatars for Regenerative Medicine and Cancer Research

Mary (Cindy) Farach-Carson, PhD, University of Texas Health Science Center at Houston, Houston, TX

9:45-10:00 *Outstanding Abstract Achievement Award Presentation: Laminin-332 Defects in Airway Epidermolysis Bullosa and Their Correction with Lentiviral Therapy*
Niamh McCarthy, University College London, London, UK

10:00-10:20 *Panel Discussion*

10:20-10:50 *Coffee and Networking Break*

Session VI: Patient Access to Stem Cell-Based Therapies

Co-sponsored by the International Society for
Cell & Gene Therapy (ISCT)



Moderator:

**Laertis Ikonou, PhD, University at Buffalo, Buffalo, NY,
Chair of the ISCT Committee on the Ethics of Cell and Gene Therapy**

10:50-11:00 *Introduction to International Society for Cell & Gene Therapy*

Laertis Ikonou, PhD, University at Buffalo, Buffalo, NY

11:00-11:20 *Featured Presentation: The Regulatory Foundation to Protect Patients from Stem Cell Fraud*

Bambi Grilley, BS, Baylor College of Medicine, Houston, TX

11:20-11:40 *Prosecuting a Stem Cell Clinic: Lessons Learned*

Mark Alonzo, JD, Vinson Law, Tampa, FL

11:40-12:00 *Panel Discussion*

12:00-1:00 PM **LUNCH and Round Table Discussions**

**Discussion on the "Current State of the Cell Therapy in Lung Disease"
Open to all attendees**

Moderators:

**Thomas Lynch, PhD, Nationwide Children's Hospital, Columbus, OH
Finn Hawkins, MD, PhD, Boston University, Boston, MA**

Committee Meetings

Committee on ATS Red Journal Manuscript A (Invite Only)

Moderator:

Amy Ryan, PhD, University of Iowa, Iowa City, IA

Committee on ATS Red Journal Manuscript B (Invite Only)

Moderator:

Robert Hynds, PhD, University College London, London, UK

Committee on APS Conference Review (Invite Only)

Moderator:

Sinem Koç-Günel, MD, University of Frankfurt, Frankfurt, Germany

1:00-2:30 **Poster Session #2**

2:30-2:50 GROUP PHOTO
Coffee and Networking Break

Session VII: Immune Regulation of Lung Regeneration

Moderators:

Amy Ryan, PhD, University of Iowa, Iowa City, IA

Sarah Moore, MD, Mount Sinai, New York, NY

2:50-3:15 *Featured Presentation: Immune-Stem Cell Interactions in Lung Homeostasis and Repair*
Ana Pardo-Saganta, PhD, Justus Liebig University, Giessen, Germany

3:15-3:40 *Featured Presentation: Immune Cell Regulation of Terminal Bronchiole Remodeling*
Tillie-Louise Hackett, PhD ~ University of British Columbia, Vancouver, Canada

3:40-4:00 PM *Featured Presentation: Alveolar Macrophages Drive Tissue Organization and Regeneration in Engineered Whole Lungs Ex Vivo*
Allison Greaney, PhD ~ Yale University, New Haven, CT

4:00-4:15 PM *Outstanding Abstract Achievement Award Presentation: The Use of Immune-Modified FailSafe Cells as a Cell Replacement Therapy for Cystic Fibrosis*
Muyang Zhou, University of Toronto, Toronto, Canada

4:15-4:35 *Panel Discussion*

4:40-5:20 *Buses*

6:00 **Dinner Cruise on Lake Champlain ~ Award Ceremony**

(Cruise boards from 6:00-6:15 and departs promptly at 6:30pm.)

9:00 PM *Cruise disembarks.*
(Please advise UVM in advance if you will need transportation back to the hotel following the cruise. The distance to walk is about two blocks uphill.)

THURSDAY, JULY 10

7:30-8:30 AM

Breakfast and Breakfast Session III

Transitioning to Independence (or How to Start Your Lab)

Moderators:

Amy Ryan, PhD, University of Iowa, Iowa City, IA

Lei Wang, PhD, University Medical Center Groningen, Groningen, Netherlands

Panelists:

Ruobing Wang, MD, Boston Children's Hospital, Boston, MA

Thomas Lynch, PhD, Nationwide Children's Hospital, Columbus, OH

Sinem Koç-Günel, University of Frankfurt, Frankfurt, Germany

Session VIII: Physics and Engineering Principles in Lung Biology

Moderators:

Jaime Hook, MD, Mount Sinai, New York, NY

Indra Putra Wendi, MSc, Lund University, Lund, Sweden

8:30-8:55

Featured Presentation: The Physics of Cell Fate Decisions: From Waddington's Landscape to scRNAseq Data Analysis

Pankaj Mehta, PhD ~ Boston University, Boston, MA

8:55-9:20

Featured Presentation: Lung Branching Morphogenesis: A Physics-Based Perspective

Uduak George, PhD, San Diego State University, San Diego, CA

9:20-9:45

Featured Presentation: Agent-Based Modeling of Lung Diseases and Regeneration

Bela Suki, PhD, Boston University, Boston, MA

9:45-10:00

Outstanding Abstract Achievement Award Presentation: Pathologic Wall Shear Stress Attenuates Epithelial Differentiation and Increases

Sayali Dharmadhikari, The Ohio State University and Nationwide Children's Hospital, Columbus, OH

10:00-10:15

Panel Discussion

10:15-10:35

Coffee and Networking Break and Group Photo

Session IX: The Darwin Prokop Memorial Session on Mesenchymal Stromal Cells

Moderator:

Anna Krasnodembskaya, PhD, Queen's University, Belfast, United Kingdom

Ruth-Love Damoah, PhD, Boston Children's Hospital, Boston, MA

10:35-11:00

Featured Presentation: MSC-EVs-Derived miR-Based Designer Therapy for Sepsis

Claudia dos Santos, MD, University of Toronto, Canada

11:00-11:25

Featured Presentation: MSCs for COVID-19 ARDS: Not Dead Yet!

Duncan Stewart, MD, Ottawa Hospital Research Institute, Ottawa, Canada

11:25-11:50 *Featured Presentation: MSC Mitochondrial Transplantation as a Novel Therapeutic Approach for Vascular Cell Therapy*
Juan Melero-Martin, PhD, Boston Children's Hospital, Boston, MA

11:50-12:05 *Outstanding Abstract Achievement Award Presentation: Glutaredoxin-Mediated Redox Processes Control Aberrant Plasticity of Airway Basal Stem Cells and Crosstalk with Mesenchymal Cells*
Megan Tarte, University of Vermont, Burlington, VT

12:05-12:20 PM *Panel Discussion*

12:20-1:00 **LUNCH (Boxed lunch)**

Session X: iPSC Models of Lung Health and Disease

Moderators:

Ruth Olmer, PhD, Hannover Medical School

Daniel Wallman, MD, Boston University, Boston, MA

1:00-1:25 *Featured Presentation: Patient-Derived Induced Pluripotent Stem Cells: Tools to Model Interstitial Lung Disease*
Killian Hurley, MB, BCh, BAO, PhD, Royal College of Surgeons in Ireland, Dublin, Ireland

1:25-1:50 *Featured Presentation: Using iPSCs to Model Cystic Fibrosis*
Ruobing Wang, MD, PhD, Boston Children's Hospital, Boston, MA

1:50-2:15 *Featured Presentation: iPSC Models of Airway Disease for Discovery and Therapy*
Finn Hawkins, MBBCh, Boston University, Boston, MA

2:15-2:30 *Outstanding Abstract Achievement Award Presentation: Sex Matters: Sotatercept as a Novel Therapy for Pulmonary Arterial Hypertension: Attenuation of Fibrosis and Contractility in iPSC-Derived Smooth Muscle Cells*
Aileen Schmidt, Leibniz Research Laboratories for Biotechnology and Artificial Organs (LEBAO), MHH Germany

2:30-2:45 *Panel Discussion*

2:45-3:00 *Coffee and Networking Break*

Session XI: Concluding Discussion

Moderator:

Daniel J. Weiss, MD, PhD, University of Vermont, Burlington, VT

3:00-4:00 *Open Discussion – Feedback, Priority Setting and Recommendations*