

**Hastings Center for Pulmonary Research Symposium 2022**

**Friday, March 18, 2022**

**8:30 AM – 3:15 PM**

8:30 AM – 8:35 AM

**Welcome**

**Steven Shapiro, MD**

Interim Dean

Keck School of Medicine of USC

8:35 AM – 8:40 AM

**Introduction**

**Parviz Minoo, PhD**

Interim Director, Hastings Center for Pulmonary Research

University of Southern California

8:40 AM – 8:45 AM

**Remarks from the Hastings Foundation**

**John Reith, MBA, CPA**

Hastings Foundation

**SESSION ONE – Cell Lineage Mapping & Mechanisms of Lung Injury & Repair**

**Moderator: Omid Akbari, PhD, Professor, Department of Molecular Microbiology & Immunology, University of Southern California**

8:45 AM – 9:15 AM

**Revised human lung cell maps and lineage hierarchies in health and disease**

**Purushothama Rao Tata, PhD**

Assistant Professor

Department of Cell Biology

Duke University School of Medicine

9:20 AM – 9:50 AM

**Niche mediated repair of airways is directed in an occupant-dependent manner**

**Stijin De Langhe, PhD**

Sr. Associate Consultant II and Professor

Department of Pulmonary and Critical Care Medicine

Mayo Clinic

9:55 AM – 10:25 AM

**Epithelial-innate immune cross-talk in lung tissue remodeling**

**Barry Stripp, PhD**

Professor

Department of Medicine

Cedars-Sinai Medical Center

10:25 AM – 10:55 AM

**Break**

**SESSION TWO – Lung Injury in the Alveolar Compartment**

**Moderator: Crystal Marconett, PhD, Assistant Professor, Department of Surgery, University of Southern California**

10:55 AM – 11:25 AM

**Physiologic and pathologic alveolar regeneration after lung injury**

**Rachel Zemans, MD**

Professor

Department of Internal Medicine

University of Michigan

11:30 AM – 12:00 PM

**OXYGEN: more than a gas to breathe**

**Michael A. O'Reilly, MD**

Professor

Department of Pediatrics

University of Rochester

12:00 PM – 1:30 PM

**Lunch**

**SESSION THREE – Acute Lung Injury & Cell-Based Therapy**

**Moderator: Ite Offringa, PhD, Associate Professor, Department of Surgery, University of Southern California**

1:30 PM – 2:00 PM

**Surprises in repair of acute lung injury**

**Tushar Desai, MD, MPH**

Associate Professor

Department of Medicine

Stanford University

2:05 PM – 2:35 PM

**Transplantation of mouse pluripotent stem cell-derived tip-like cells into immunocompetent mice**

**Michael Herriges, PhD**

Post-Doctoral Fellow, Kotton Lab

Department of Medicine

Boston University

2:40 PM – 3:10 PM

**In utero cellular and molecular defects in trisomy 21 lungs**

**Soula Danopolous, PhD**

Assistant Professor

Department of Pediatrics

Lundquist Institute for Biomedical Innovation at Harbor-UCLA Medical Center

University of California, Los Angeles

3:15 PM

**Closing Statement**

**Parviz Minoo, PhD**

Interim Director, Hastings Center for Pulmonary Research

University of Southern California