

UCSF'S 11TH INTERNATIONAL CONFERENCE
NEONATAL & CHILDHOOD PULMONARY VASCULAR DISEASE
Hilton San Francisco - Financial District
GENERAL SESSION - AGENDA
Friday, April 20 & Saturday, April 21, 2018
Grand Ballroom (Third Floor)

FRIDAY, APRIL 20, 2018

7:00 am *Registration and Continental Breakfast*

7:45 **Welcome and Opening Remarks**

SESSION 1: OUTCOMES OF NEONATAL PULMONARY DISEASE

MODERATORS: Drs. Roberta Keller and Bernard Thébaud

8:00 **Pulmonary Vascular Development: Impact of Early Injury**
Dr. Cristina Alvira

8:30 **Post-Discharge Respiratory Outcomes in Extreme Prematurity**
Dr. Roberta Keller

9:00 **Post-discharge Outcomes in CDH**
Dr. Lan Vu

9:30 **Late Pulmonary Vascular Outcomes of Prematurity**
Dr. Marlowe Eldridge

10:00 am *Break*

10:25 **Introduction: The Robyn Barst Keynote Lecture**
Dr. John Kinsella

10:30 **KEYNOTE SPEAKER: The Robyn Barst Keynote Lecture**
Perinatal Origins of Pulmonary Vascular Disease
Dr. Steven Abman

SESSION 2: TRANSPLANT FOR PH: AN UPDATE

MODERATOR: Dr. Tilman Humpl

11:30 **Lung and Heart-Lung Transplant For PH**
Dr. Don Hayes

12:00 pm **Transplant/ECMO/Surgical Options for End-Stage RV Failure**
Dr. George Mallory

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SESSION 2: TRANSPLANT FOR PH: AN UPDATE (continued)

- 12:30 **PH and Transplant: Perspectives from a Physician-Mother Caregiver**
Dr. Michelle Liu
- 1:00 Panel Discussion
- 1:15 pm *Lunch on own*

SESSION 3: PRECISION MEDICINE IN PULMONARY VASCULAR DISEASE

MODERATOR: Dr. Eric Austin

- 2:30 **Precision Medicine: An Evolving Approach to Improve Our Understanding and Management of Pulmonary Vascular Disorders in People of all Ages**
Dr. Vinicio de Jesus Perez
- 3:00 **Genetics for Pulmonary Vascular Disorders: A Primer on Progress and Blueprint for Action**
Dr. Eric Austin
- 3:30 **Proteomics and Biomarkers in the Analysis of Pediatric PH and Precision Medicine Approaches**
Dr. Allen Everett
- 4:00 **Should We Monitor Drug Levels in Pediatric PH?**
Dr. Victoria Ziesenitz
- 4:30 **Precision Medicine for Rare Childhood Diseases: The Role of Big Data**
Dr. Marina Sirota
- 5:00 **Capturing the Clinical Heterogeneity of Pulmonary Vascular Diseases in Children**
Dr. Rolf Berger
- 5:30 *Break*
- 5:45 **Case Presentations**
Moderators: Dr. Usha Krishnan and Dr. Robin Steinhorn
- 6:30 pm *Adjourn*

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SATURDAY, APRIL 21, 2018

7:00 am *Continental Breakfast*

SESSION 4: TECHNOLOGY IN PH: AN UPDATE

MODERATOR: Dr. Usha Raj

8:00 **The Artificial Lung: An Update**
Dr. Ronald Hirschl

8:30 **Nanomedicine and Metal Organic Frameworks (MOFs) in Pulmonary Hypertension**
Dr. Jane Mitchell

9:00 **Exosomes in PH**
Dr. James Klinger

9:30 **Totally Implantable Subcutaneous Devices for Continuous Prostanoid Delivery**
Dr. Aaron Waxman

10:00 am *Break*

SESSION 5: SCIENTIFIC SESSION INCLUDING ABSTRACT POSTER SYMPOSIUM

(Abstracts will be published in *Pulmonary Circulation*)

(10:15 am – 1:00 pm General Session Room)

MODERATORS: Conference Faculty

10:30 **The Year in Review Basic Science**
Dr. Stephen Archer

11:00 **The Year in Review Clinical Science**
Dr. Erika Berman-Rosenzweig

11:30 **Platform Sessions: Recipients of the Robyn Barst Pediatric Research Awards**
Brief Poster Oral Discussions

1:00 pm *Boxed Lunch provided*

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LUNCH SESSION: PRO/CON: TREATMENT OF PVS

1:00 pm - 2:15 pm

MODERATOR: Dr. Rachel Vanderlaan

- **Interventional Approach** Dr. Henri Justino
- **Surgical Approach** Dr. Christopher Calderone

SESSION 6: IMPROVED SURVIVAL IN PEDIATRIC PH PATIENT: EMERGING ISSUES

MODERATORS: Conference Faculty

- 2:20 **Sex Hormones, Puberty and Pulmonary Hypertension**
Dr. Corey Ventetuolo
- 2:40 **Menstrual Disorders, Contraceptives and Pregnancy in Woman with Pulmonary Hypertension**
Dr. Anna Hemnes
- 3:00 **ACHD Pulmonary Hypertension: An Update**
Dr. Kostas Dimopoulos
- 3:30 **Transitioning Pediatric PH to Adult care**
Dr. Marilyne Lévy & Dr. Tilman Humpl
- 4:00 PM *Break*

SESSION 7: THERAPY UPDATE

MODERATORS: Conference Faculty

- 4:15 **NO-cGMP Agonists and Phosphodiesterase Inhibitors**
Dr. Angela Bates
- 4:35 **Endothelin Receptor Antagonists**
Dr. Rachel Hopper
- 5:05 **Prostanoids**
Dr. Stephanie Handler
- 5:25 **What's in the PAH Therapeutic Pipelines?**
Dr. D. Dunbar Ivy
- 6:00 pm *Closing Remarks and Adjourn*