



Rare Pediatric Respiratory Disease: Science Shapes Precision Care

July 6-7, 2017

Sanford Consortium for Regenerative Medicine, La Jolla, CA

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Above banner image: The results shown here are in whole or part based upon data generated by the LungMAP Consortium [U01HL122642 – Whitsett, JA Potter, SS] and downloaded from (www.lungmap.net), on [4/1/17].

Program

We are currently seeking abstracts until May 31, 2017. [Click here](#) for more information.

Session 1 (Thursday PM)

12:00 - 1:00 pm	Registration
1:00 - 1:15 pm	Welcome and Introduction – Marilyn Chan, MD and James S. Hagood, MD
1:15 - 1:25 pm	Family Speaker
1:25 - 1:55 pm	Overview of Rare Lung Diseases: Challenges and Research Opportunities – Robin Deterding, MD
1:55 - 2:55 pm	KEYNOTE 1: Single Cell Approaches to Study Lung Development and Disease – Jeff A. Whitsett, MD
2:55 - 3:15 pm	From Gene to Treatment in Rare Inflammatory Disease: Importance of Families – Hal M. Hoffman, MD

Session 2 (Thursday PM)

3:30 - 3:40 pm	Family Speaker
3:40 - 4:10 pm	Genomic Diagnosis and Treatment for Rare Diseases – David Dimmock, MD
4:10 - 4:40 pm	Proteomics and Lipidomics During Lung Alveolar Development – Jeremy Clair, PhD
4:40 - 5:10 pm	Epigenomics for Precision Medicine – David Gorkin, PhD
5:10 - 5:40 pm	Cell/Gene Therapy for Hereditary PAP – Bruce Trapnell, MD
6:30 - 7:30 pm	Dinner Reception with Keynote Speaker
	KEYNOTE 2: Regenerative Medicine Approaches to Rare Lung Diseases – Darrell N. Kotton, MD

Session 3 (Friday AM)

8:00 - 8:30 am	Poster Setup and Continental Breakfast
8:30 - 8:40 am	The Lung and Airways in Systemic Inflammatory Disorders – Michal Cidon, MD
9:10 - 9:40 am	Spectrum of Lung Involvement in Systemic Juvenile Inflammatory Arthritis – Vivian Saper, MD
9:40 - 10:10 am	Advanced MR Imaging for Lung Diseases – Jason Woods, MD

10:10 - 10:25 am **Abstract Presentation:**
E3 UBIQUITIN LIGASE FBXW7 CONTROLS AIRWAY CELL FATE – Yan (Tina) Zhang, Sarah Ardell, Yuyun Zhu, Xin Sun

10:25 - 10:40 am **Coffee and Discussion**

Session 4 (Friday AM)

10:40 - 10:50 am **Family Speaker**

10:50 - 11:20 am **Using In Vitro Lung Models for Personalized Approaches to Treat Rare Lung Diseases** – Brigitte Gomperts, MD

11:20 - 11:50 am **Tissue Engineered Lung Model** – Denise Al-Alam, PhD

11:50 - 12:20 pm **Functional Genomics: In Vivo Models for Rare Respiratory Disease** – Xin Sun, PhD

12:20 - 12:35 pm **Abstract Presentation:**
A MOUSE MODEL FOR RARE CILIOPATHIES: AN ESSENTIAL ROLE OF ICK AND PRIMARY CILIA IN LUNG DEVELOPMENT – Yixin Tong, So Hyun Park, Di Wu, Wenhao Xu, Stacey Guillot, Yalin Wang, Zheng Fu

12:35 - 2:30 pm **Lunch and Poster Viewing**

Session 5 (Friday PM)

2:30 - 3:00 pm **Primary Ciliary Dyskinesia: From Phenotype to Genotype and Back** – Carlos Milla, MD

3:00 - 3:30 pm **Using Induced Pluripotent Stem Cells to Model Airways Diseases** – Amy Firth, PhD

3:30 - 4:00 pm **Hermansky-Pudlak Syndrome: From Pathogenesis Towards Trials** – Lisa Young, MD

4:00 - 4:15 pm **Abstract Presentation:**
A PATIENT IPSC-BASED DISEASE MODEL FOR CHARACTERIZATION AND THERAPEUTIC DISCOVERY OF CHILD CAUSED BY ABCA3 MUTATIONS – Yuliang Sun, Darrell Kotton

4:15 - 4:30 pm **Abstract Presentation:**
ION CHANNELS IN AIRWAY CILIATED CELLS – Guillermo Flores-Delgado

4:30 - 6:00 pm **Posters / Reception / Wrap-Up**

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