

The Columbia O'Brien Urology Center Symposium



COLUMBIA UNIVERSITY
Department of Medicine
Department of Urology

March 31, 2017

The Genomics & Genetics of Urogenital & Other Organ Malformations

- 8:30am *Breakfast & Registration*
- 8:55am Welcome & Introduction
Cathy Lee Mendelsohn PhD, *Columbia University*
- 9:00am Genomics of Male Genitourinary Birth Defects
Dolores J. Lamb PhD, HCLD, *Baylor College of Medicine*
- 9:45am Insights into Genetics of Human Congenital Heart Disease: Forward Genetics
Cecilia Lo PhD, *University of Pittsburg*
- 10:30am Linking Lower Urinary Tract Function to Structure
Dale Bjorling PhD, *University of Wisconsin*
- 10:45am *Break*
- 11:00am New Tools for Single Cell Analysis in Cancer
Peter A. Sims PhD, *Columbia University*
- 11:45am Novel Math: Topological Data Analyses to Understand Evolution of Cells
Raul Rabadan PhD, *Columbia University*
- 12:30pm Mechanisms Required for Upper Urinary Tract Peristalsis
Romulo Hurtado PhD, *Weill Cornell*
- 12:45pm *Lunch*
- 1:45pm CAKUT: Structural Variants & Genes
Simone Sanna-Cherchi MD, *Columbia University*
- 2:30pm Multi-Omic Approach to Diagnosis of Undiagnosed Diseases
Brendan Lee MD, PhD, *Baylor College of Medicine*
- 3:15pm Genetics of Vesicoureteric Reflux
Ali Gharavi MD, *Columbia University*
- 3:30pm *Break*
- 3:45pm Single Cell Dissection of Normal & Abnormal Kidney Development
S. Steven Potter PhD, *Cincinnati Children's Hospital*
- 4:30pm Discovery & Interpretation of Genetic Mutations
David B. Goldstein PhD, *Institute of Genomic Medicine, Columbia University*
- 5:15pm Single Cells Needed: Plasticity of Cell Types in Kidney
Jonathan M. Barasch MD, PhD, *Columbia University*

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Location

Faculty House, Columbia University
64 Morningside Drive, New York, NY 10027