“Molecular Characterization of the Human Infant Airway”

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Wednesday, October 26, 2016
12-1 p.m.
The Saban Research Building Auditorium
4661 Sunset Blvd.
Los Angeles, CA 90027

Lunch will be provided to seminar guests, first come, first served.

Help us save plastic! Bring your own water bottles. Water will be available to fill your bottles.

Although the scientific reductionism guiding medical research in the late 20th century led to dramatic progress in our understanding of health and disease, we have come to realize that biological organisms are not equal to the “sum of their parts.” Breakthroughs in genomics have facilitated the emerging field of systems biology, have provided novel insights into biology, and have promoted the evolution of personalized medicine. Significant advances have been made in adult and pediatric diseases; from re-thinking therapeutic strategies for solid-organ tumors to defining susceptibility to the bacterial colonization that precipitates morbidity and mortality in cystic fibrosis. However, the application of these approaches in an effort to understand infant human lung disease has suffered from a “lack of access” to clinically-derived biospecimens. This presentation will highlight some accomplishments to date, which include the molecular characterization of airway gene expression in healthy infants and the identification of novel cellular mechanisms of infant chronic lung disease.

Hosted by Denise Al Alam, PhD
Assistant Professor of Surgery
Children’s Hospital Los Angeles
University of Southern California