The Saban Research Institute Annual Symposium highlights exciting strides researchers at Children’s Hospital Los Angeles and from around the globe are making in understanding the developmental origins of health and disease. Each year, the theme of the symposium reflects a research priority area of The Saban Research Institute. This year’s theme is “Metabolism, Immunity, Infection and Inflammation.” Join us for this unique opportunity to hear from and engage with nationally recognized experts in these areas of global significance.

The majority of sick children suffer from infection, compromised immune systems, or defects in cellular and systemic metabolism. Although each is an important area of discipline-specific investigation, it is now clear that these processes are intimately linked, with reciprocal interactions requiring balanced regulation for optimal functioning. We look forward to a day of learning together about leading-edge findings, and exploring future directions surrounding the critically important areas of metabolism, immunity, infection and inflammation.

Jan. 15, 2015 | 9 a.m. – 5 p.m.

The Saban Research Institute of Children’s Hospital Los Angeles
4661 Sunset Blvd., Los Angeles, CA 90027

RSVP to Sarita Ramgulam at 323-361-6240 or sramgulam@chla.usc.edu.

KEYNOTE SPEAKERS

Sarkis Mazmanian, PhD
California Institute of Technology

Rob Knight, PhD
University of Colorado Boulder

Lora Hooper, PhD
University of Texas Southwestern

Laurence J.N. Cooper, MD, PhD
The University of Texas MD Anderson Cancer Center
AGENDA

8 – 9 a.m.  Continental Breakfast and Check-in
            The Saban Research Building lobby

9 – 9:10 a.m.  Symposium Welcome
            D. Brent Polk, MD, AGAF, The Saban Research Institute of
            Children’s Hospital Los Angeles; Keck School of Medicine of the
            University of Southern California (USC)

9:10 – 10:05 a.m.  Keynote Speaker
            The Gut-Microbiome-Brain Connection in
            Neurodevelopmental Disorders
            Sarkis K. Mazmanian, PhD, California Institute of Technology

10:05 – 10:40 a.m.  Keynote Speaker
            The Infant Microbiota Shapes Development
            and Long-term Health
            Laurie Cox, PhD, New York University Department of Medicine,
            Lab of Martin Blaser, MD

10:40 – 10:55 a.m.  BREAK: Light refreshments

10:55 – 11:50 a.m.  Keynote Speaker
            Dynamics of the Human Gut Microbiome
            Rob Knight, PhD, University of Colorado

11:50 a.m. – 12:10 p.m.  Mom, Milk and Microbes: Shaping the Baby’s Microbiome
            Pia Pannaraj, MD, MPH, The Saban Research Institute of CHLA;
            Keck School of Medicine of USC

12:10 – 1:10 p.m.  Lunch and Networking (RSVP required)
            Anita S. Watson Courtyard of The Saban Research Building

1:10 – 2:05 p.m.  Keynote Speaker
            Microbiota-Immune System Interactions in the Intestine
            Lora Hooper, PhD, University of Texas Southwestern
            Medical Center

2:05 – 2:25 p.m.  Exosomic MicroRNAs Orchestrates the Biology of the Tumor
            Microenvironment
            Muller Fabbri, MD, PhD, The Saban Research Institute
            of CHLA; Keck School of Medicine of USC

2:25 – 3:20 p.m.  Keynote Speaker
            Democratization of Clinical-Grade T Cell Engineering to Treat
            Cancer and Pathogens
            Laurence J. N. Cooper, MD, PhD, University of Texas MD
            Anderson Cancer Center

3:20 – 3:35 p.m.  Light refreshments

3:35 – 3:55 p.m.  Keynote Speaker
            Dynamics of the Human Gut Microbiome
            Rob Knight, PhD, University of Colorado

3:55 – 4:15 p.m.  Understanding How Obesity Can Make
            Childhood Leukemia Worse
            Steven Mittelman, MD, PhD, The Saban Research Institute
            of CHLA; Keck School of Medicine of USC

4:15 – 4:30 p.m.  Closing Remarks
            Jae Jung, PhD, Keck School of Medicine of USC

4:30 – 5:30 p.m.  Reception (RSVP requested)
            Anita S. Watson Courtyard, The Saban Research Building

The Saban Research Institute
Children’s Hospital Los Angeles is home to The Saban Research Institute, one of the
largest and most productive pediatric research facilities in the United States, with a team
of more than 400 faculty members who collaborate to combat cancer, brain disorders,
obesity and diabetes, among other devastating pediatric health conditions. The Saban
Research Institute is one of the few freestanding research centers in the U.S. where
scientific inquiry is combined with clinical care and is devoted exclusively to children.