“Neuregulin Signaling Promotes Intestinal Homeostasis and Reduces Inflammation Through Multiple Mechanisms”

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Wednesday, March 16, 2016
12-1 p.m.
The Saban Research Building Auditorium
4661 Sunset Blvd., Los Angeles CA 90027

Dr. Frey’s laboratory research program is focused on the role(s) of ErbB receptor tyrosine kinases in intestinal homeostasis—in particular, on how the neuregulin receptors ErbB4 and ErbB3 help maintain barrier integrity in the face of inflammation. Studies suggest that neuregulin-ErbB signaling drives receptor-specific mechanisms that maintain homeostasis, including suppression of epithelial apoptosis, tight control of Paneth cell census, and termination of inflammatory innate immune responses. As ErbBs are cell surface receptors and thus potentially “druggable,” a greater understanding of their mechanisms of action could lead to new therapeutic avenues for inflammatory diseases of the intestine and elsewhere.

Hosted by Brent Polk, MD
Professor and Chair of the Department of Pediatrics, USC/CHLA & LAC+USC
Physician-in-Chief and Vice President of Academic Affairs, CHLA
Director, The Saban Research Institute
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Lunch provided to first 70 attendees.
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