Nutrition & Obesity Research Center
University of California San Francisco

UCSF NORC SYMPOISUM
Monday May 23, 2022

"Primary cilia in Behavior and Metabolism"

9:00 am - 9:55 am	Arrival + Breakfast	
9:55 am – 10:00 am	Introduction/Housekeeping	
10:00 am – 11:00 am	**Session 1:**	
Chair: Max Nachury	Stephanie Redmond (Alvarez Bulla)	"Brain Ependymal Cell Diversity: A Tale of Two Cilia"
	Suifang Mao (He)	"Hybrid Cilia in Choroid Plexus Gate Cerebrospinal Fluid In and Out"
	Rasmi Cheloor Kovilakam (Huang)	"Single objective Light sheet Microscopy for live cell imaging and single particle tracking"
	Rita Fagan (Von Zastrow)	"Evidence for conditional targeting of opioid receptors to primary cilia"
11:00 am - 11:30 am	Coffee Break	
11:30 am - 12:30 pm	**Session 2**	
Chair: Jeremy Reiter	Ryan Hart (Huising)	"The Cilia Specific SSTR3 Shapes Somatostatin Paracrine Interactions Within the Pancreatic Islet of Langerhans"
	Kathryn Brewer (Berbari)	"Can physiological conditions alter cilia GPCR localization in the brain?"
	Tiffany Terry (Caspary)	"The critical role of ciliary ARL13B in obesity"
	Chia-Hsiang Chang (Nachury)	"A novel strategy to capture the ciliary proteome in the central nervous system"
12:30 pm - 2:30 pm	Lunch + Activities	
2:30 pm - 3:30 pm	**Session 3**	
Chair: Markus Delling	Annie Yue (Vaisse)	"Melanocortin 4 receptor localization at the primary cilium is necessary and dynamic"
	Irene Ojeda Naharros (Nachury)	"Investigating the role of primary cilia in MC4R activity"
	Francois Mifsud (Vaisse)	"Does MC4R activation at the primary cilium trigger a transcriptional pathway in hypothalamic neurons to maintain energy homeostasis?"
	Gabriela Canales (Reiter)	"Bardet Biedl Syndrome Alters the Ciliary Localization of Appetite Signaling Proteins in the Paraventricular Nucleus"
3:30 pm – 4:00 pm	Coffee Break	

4:00 pm – 5:00 pm	**Session 4**	
Chair: Christian Vaisse	Aaron Marley (von Zastrow)	“Agonist Dependent Cullin Ring Ligase Recruitment to Primary Cilium”
	Nadine Mundt (Delling)	"Is Calcium everything? A tool to manipulate ciliary Calcium levels"
	Gabriel Loeb (Reiter)	“GLIS3 is a candidate mediator of ciliary polycystin signaling”
	Kotdaji Ha (Delling)	“The cilia enriched oxysterol 7β,27-DHC is required polycystin activation”
5:00 pm – 7:00 pm	Reception + Activities	