





Friday November 4th, 2022

Medical Research Laboratory Building, The Lundquist Institute for Biomedical Innovation at Harbor-UCLA Medical Center, Torrance, CA

8:00	8:45	Registration and Check-In	
8:45 9:00 Welcoming Remarks		Welcoming Remarks	
		Chapter President, Martha E O'Donnell, UC Davis	
		Harry B Rossiter PhD and Denise Al Alam PhD, The Lundquist Institute	
9:00	10:00 Free Communications 1: Cardiopulmonary Development, Aging and Disease		
		Chairs: Soula Danopoulos and Rudy Ortiz	
9:00	9:10	Nick Tiller. The Lundquist Institute at Harbor-UCLA. Dynamic Airway Function During	
		Exercise In COPD Assessed Via Impulse Oscillometry	
		Yujuan Su. UC San Diego. Brainstem Dbh+ Neurons Control Chronic Allergen-Induced	
		Airway Hyperreactivity	
9:20	9:30	Randa Belgacemi. The Lundquist Institute at Harbor-UCLA. Stage-Dependent FGF	
		Signaling Trigger Mesenchymal Cell Differentiation During Human Lung Development	
9:30	9:40	Wanju Gu. UC San Diego. Distinct Genetic Markers Associated with COVID-19 Severity	
		in Latinx Populations from the Americas	
9:40	9:50	Dora Mendez. UC Merced. Exogenous Thyroxine Increases GLUT4 Translocation and	
		Improves Cardiac Metabolism in Insulin Resistant OLETF Rats	
9:50	10:00	Maartje Westhoff. UC Davis. Deficits in Endosomal Recycling Contribute to β-	
		Adrenergic Hypo-Responsivity in the Aging Heart	
10:00	10:30	Coffee Break	

MGC
DIAGNOSTICS

Headquartered in Saint Paul, Minnesota, USA, MGC Diagnostics Corporation is a global medical technology company dedicated to cardiorespiratory health solutions

10:30	11:30	Keynote Address – Sponsored by MGC Diagnostics Luis Fernando Santana, PhD, FAHA UC Davis Embracing Diversity: How Biological Noise Tunes the Cardiovascular System
11:30	12:30	Lunch

12:30	1:00	Business Meeting	
		Including words from our sponsors	
1:00 1:30 Free Communications 2: Injury, Inflam		Free Communications 2: Injury, Inflammation and Immune Response	
		Chairs: Mark Frey and Nicholas Jendzjowsky	
1:00 1:10 Ethan Garcia. UC San Francisco. Tissue-Specific Mitochondrial HIGD2		Ethan Garcia. UC San Francisco. Tissue-Specific Mitochondrial HIGD1C Promotes	
		Oxygen Sensitivity of Carotid Body Chemoreceptors	
1:10	1:20	Pritha Chatterjee. UC Riverside. Role of Autoimmune Susceptibility, Ptpn2, in	
		Mediating Host-Microbiome Interaction	
1:20	1:30	Vini Canale. UC Riverside. PTPN2 is a Critical Regulator of Ileal Paneth Cell Viability and	
		Function in Mice	
1:30	2:00	Free Communications 3: Behavioral and Metabolic Disorders	
		Chairs: Erica Heinrich and Carrie Ferguson	
1:30	1:40	Elena Kozlova. UC Riverside. Behavior and Reduced Hypothalamic Oxytocin Content	
		Produced By Perinatal Exposure To DE-71	
1:40 1:50 Jessica Wilson. <i>UC Merced.</i> Cannabidiol Attenuates Multiple C		Jessica Wilson. UC Merced. Cannabidiol Attenuates Multiple Cluster Factor Conditions	
		of Metabolic Syndrome	
		Bailey Sanchez. UC Merced. Amino Acid, Monosaccharide, and Nucleotide Metabolism	
		in Human Kidney Cells are Disrupted Following Human Adenovirus Serotype 5 Infection	
2:00	2:30	Coffee Break	
2:30	3:30	Trainee Career & Mentoring Session	
3:30	4:30	Lightning Talks – Student and Trainee Poster Competition	
4:30	5:45	Poster Presentations	
5:45	6:00	Presentation of Awards	
6:00		Close	

Lightning Talks – Student and Trainee Poster Competition				
Diane Aguilar	The Lundquist Institute at Harbor-UCLA	Investigating Nociceptor Pathogen Sensing Capabilities		
Maximillian Denys	UC Riverside	Maternal Probiotic Therapy Protects Against DE-71-Induced Neurodevelopmental Delays in a Sex-Dependent Manner		
Tyler Hilman	Loma Linda University	Caspase-9 Expression in the Cortex of a Novel Rodent Model for Preterm Hypoxic-Ischemic Encephalopathy		
Caroline Cherry	The Lundquist Institute at Harbor-UCLA	Altered Differentiation in Upper Airway Epithelium in Trisomy 21		
Eira Jardines	UC Merced	Angiotensin Receptor Blocker Attenuates Elevated Arterial Pressure and Reduces Body Mass in OLETF Rats Fed a High Cholesterol Diet		
Hillmin Lei	UC Riverside	Loss of PTPN2 Activity Alters Iron Handling Gene Expression in IBD Patients and Causes Iron Deficiency in Mice		
Andrew Frauenpreis	The Lundquist Institute at Harbor-UCLA	Endothelial Differentiation and Function in Trisomy 21		
Mitchell Kong	UC San Diego	Identification of a Putatively Adaptive Promoter Variant in PRKAA1 in Andean Highlanders		
Nicholas Iwakoshi	Loma Linda University	Heart Rate Variability (HRV) Analysis to Detect Physiological Changes of Mice Exposed to Hypergravity		
Crystal Luna	UC Riverside	Effects of Probiotic L.reuteri Therapy on Social Behavior in An Environmental Autism Model		
Jeff Moore	The Lundquist Institute at Harbor-UCLA	Distinguishing Increased Adiposity and/or Aerobic Deconditioning as Moderators of Low VO₂peak in Obese Men		
Taylor Voelker	UC Davis	PI(4,5)P2 Regulation of CaV1.2 L-Type Ca2+ Channel via AnglI signaling in the Heart		
Meli'sa Crawford	UC Riverside	Intranasal Exposure to Hog Dust Extract Promotes Endotoxemia and Increases Gene Expression of TNF- α and Secretory Epithelial Cell Markers in Mouse Intestine		
Imad El Alam	The Lundquist Institute at Harbor-UCLA	Effect of Cannabinoids and Nicotine on Prenatal Human Lung		
Silvia Garcia del Villar	UC Davis	Tight Regulation of BIN1 is Essential for β-adrenergic Responsivity in the Myocardium		
Clara Berdasco	UC Riverside	Inflammation in a Mouse Model of Gulf War Illness		

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16	Clara Berdasco	UC Riverside	Inflammation in a Mouse Model of Gulf War Illness
17	Carolyn Oudiz	CSU Dominguez Hills	Physical Activity and Body Mass Index During the COVID-19 Pandemic
18	Andy Chang	UC San Francisco	Therapeutic Potential of Modulating Carotid Body Activity Through an Ectopic Olfactory Receptor
19	Suzzy Emily Campero	UC Merced	HPRT 1 Expression Reduction Trend of 1.37% in Exenatide Treated OLETF Rats
20	Erica Heinrich	UC Riverside	Inflammation and Immune Function During High Altitude Exposure
21	Esteban Moya	UC San Diego	Reduced Hypoxic Ventilatory and Heart Rate Responses to Hypoxia in Postversus Premenopausal Tibetan Women in Mustang, Nepal