Program – 5th Annual CASP Meeting

8-9:00 AM	*Registration, Check-in, and Breakfast* – **Multidisciplinary Research Building, Seminar Room 1110**
9:00-9:05 AM	Welcoming Remarks – Declan McCole, CASP President
9:05 – 9:15 AM	Nicholas DiPatrizio – Director, UCR Center for Cannabinoid Research
9:15 – 10:15 AM	**Oral Session I:** Coordination of Organ Homeostasis by Cellular Barrier and Transport Properties. Moderators: - Erica Heinrich, UCR; Crystal Reynaga, UCR
9:15-9:30 AM	Ivy Xiong, UCLA - *Dynamic flow-metabolic coupling in the mammalian renal tubule*
9:30-9:45 AM	Sam de Leve, USC - *Reversing pseudocapillarization restores clearance of amyloid-beta and LDL*
9:45-10:00 AM	Vinicius Canale, UCR - *Constitutive PTPN2 Loss Compromises the Architecture and Function of the Protective Mucus Layer in the Colon of Mice*
10:00-10:15 AM	Anandita Pal, Children's Hospital Los Angeles - *ERBB3 Regulates Lipid Metabolism in the Intestinal Epithelium*
10:15-10:30 AM	Morning Break
10:30 AM – 12:00 PM	**Oral Session II – Diet, Environmental, and Genetic drivers of inflammation. Moderators:** Denise Al-Alam (Lundqvist institute), Elena Koslova (USC)
10:30-10:45 AM	Edward Sundahl, UCSD - *Epigenetic remodeling of hypoxia-response genes within days of altitude exposure*
10:45-11:00 AM	Abel Vargas, UCR – *Immune system remains affected by acute high-altitude exposure one month following return to sea level*
11:00-11:15 AM	Nataliia Hula, Loma Linda Univ - *Circulating mitochondrial DNA induces endothelial dysfunction in pregnancy and a pro-contractile shift postpartum*
11:15-11:30 AM	Marisol Hernandez Garcia, UC Merced - *Five-Week Cannabidiol Treatment Improves Redox Dysregulation Associated with Cardiovascular Risk in Metabolic Syndrome*
11:30-11:45 AM	Jalene Velazquez, Lundqvist Institute - *Elevated type I interferon signaling in trisomy 21 lungs contributes to mucociliary complications*

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11:45 AM-12:00 PM	Donovan Argueta, UCI - *Characterization of a mouse model to study mechanisms of pain in hemophilia A*
12:00-1:00 PM	**Lunch/Business Meeting**
1:00-1:30 PM	Lightning Talks: Poster pitch (1-2 minutes each; brief pitch) – Moderator: Nicholas DiPatrizio
1:30-3:00 PM	Posters
3:00-3:15 PM	Afternoon Break
3:15-4:00 PM	Trainee Career and Mentoring Session. *Moderators:* Nichelle Camden (UCSD), Gabriela Arongo (UCSD)
	Oral Session III – Moderator: Declan McCole
4:00-5:00 PM	Keynote Presentation: Ted Garland, PhD., Distinguished Professor, Dept. of EEOB, UC Riverside - "Born to Run: 32 Years of High Runner Mice"
5:00-6:00 PM	Reception and Awards