

Day 4 – Wednesday, October 22

7:00-8:00	Group Breakfast	Career Development Forum Breakfast
8:00-10:00am	<div><div><b>Lymphatic Vascular Development</b> <i>Chemokine signaling as a guiding cue regulating lymphatic development</i> Xiaolei Liu, Temple University</div><div> Short talk: <i>Adm and Ackr3 regulates cardiac lymphatic vessel formation during zebrafish heart development and regeneration</i> Xidi Feng, USC</div><div> Short talk: <i>Erg deletion in lymphatic endothelium protects against bleomycin-induced lung fibrosis</i> Arun Narota, Boston University</div><div> Short talk: <i>A novel role for second heart field progenitors in lymphovenous valve formation</i> Christina Vyzas, Rutgers University</div><div> Short talk: <i>Metabolic mechanisms regulating lymphatic vascular development</i> Pengchun Yu, OMRF</div><div> <i>Lymphatic valve and cell junction morphogenesis</i> Joshua Scallan, University of South Florida</div></div>	<div><div><b>Innovations in Vascular Tissue Engineering</b> <i>Bioengineered perfused human brain microvasculature to model brain tumor and neurodegenerative diseases</i> Guohao Dai, Northeastern University</div><div> Short talk: <i>Kidney organoid vascularization using inducible endothelial cells from human pluripotent stem cells</i> Yonglin Zhu, Boston Children's Hospital</div><div> Short talk: <i>Hemodynamic cues promote hierarchical vascular remodeling and maturation in in vitro model of perfusable vascular organoids</i> Yu Jung Shin, Massachusetts Institute of Technology</div><div> Short talk: <i>Organ-on-Chip model of the microcirculation in AAA recapitulates aspects of disease</i> Philipp Hauger, Amsterdam UMC</div><div> Short talk: <i>Reconstructing native soluble cues to enhance endothelial cell maturation in bioengineered whole lung vascular model</i> Yifan Yuan, University of Maryland</div><div> <i>Delineating the role of vasculature in beta cell development and cell therapies for type 1 diabetes</i> Yasaman Aghazadeh, University of Montreal</div></div>
10:30am-12:30pm	<div><div><b>Health Disparities and the Microcirculation</b> <i>Fission/fusion modulators of age-related coronary microvascular function</i> Amanda Jo Leblanc, University of Louisville</div><div> Short talk: <i>Endothelial-derived Neuregulin 1 modulates pericytes function in heart failure with preserved ejection fraction</i> Leah Rebecca Vanicek - Goethe University Frankfurt</div><div> Short talk: <i>FoxO1 protects female endothelial cells from mitochondrial dysfunction, DNA damage and oxidative stress</i> Alexanda Pislaru - York University</div><div> Short talk: <i>Iron regulates endothelial NO signaling via endothelial α-globin</i> Luke S Dunaway, University of Virginia</div><div> Short talk: <i>Matrix Gla protein expression in pericytes and myofibroblasts contributes to renal fibrosis</i> Kyoungmi Bak, McGill University</div><div> <i>The role of pluripotency and innate immunity in sex differences in endothelial cells</i> Olga Cherepanova, Cleveland Clinic</div></div>	<div><div><b>Metabolism and Vascular Dysfunction</b> <i>Immune metabolic reprogramming in vascular inflammation and salt-sensitive hypertension</i> Annet Kirabo, Vanderbilt University</div><div> Short talk: <i>HIV Nef extracellular vesicles impair macrophage efferocytosis via epigenetic regulation of Btk-NFκB-MerTK to promote atherosclerosis</i> Sarvesh Chelvanambi, Brigham &amp; Women's Hospital</div><div> Short talk: <i>Resolvin D2 limits senescent cell accumulation in atherosclerotic plaques</i> Ignacia A Salfate del Rio, Albany Medical College</div><div> Short talk: <i>Extracellular matrix-related genes, such as Cthrc1, are potential targets in pulmonary hypertension</i> Eunate Gallardo-Vara, Yale University</div><div> Short talk: <i>Putrescine synthesis drives smooth muscle cell differentiation in a myocardin-dependent manner</i> Louise Frausto, LSU</div><div> <i>Evolving landscape of atherosclerosis in the COVID-19 era</i> Chiara Giannarelli, New York University</div></div>
12:30-2:00pm	<b>Publish or Perish? Disseminating Science in an Uncertain Age</b>	Group Lunch
2:00-3:00pm	<div><div><b>Keynote Lecture</b> New roles for endothelial cells and mechanical forces revealed using human organ chips Donald Ingber, Wyss Institute for Biologically Inspired Engineering at Harvard University</div></div>	
3:00-4:00pm	<div><div><b>NAVBO – Award Lectures and Presentations</b> Presentation of the Stephen Schwartz Award Klaus Ley, Medical College of Georgia, Augusta University</div><div> Presentation of the Florence Sabin Award Mahdi Garalnabi, University of Massachusetts Lowell</div><div> Springer Award Presentation and Lecture (recipient to be determined)</div></div>	
5:00-7:00pm	Dinner on your own	
7:00-10:00pm	Posters Sessions	