

Day 4 – Wednesday, October 21

7:30-8:30am	Group Breakfast	
8:30-10:00am	Lymphatics: Aging and Function <i>G protein-coupled receptors in lymphatic development and physiology</i> Kathleen Caron, UNC Chapel Hill Short Talk: <i>Characterization of novel lymphatic capillary mural cells (LCMCs)</i> Vishakha Vishwakarma, NICHD, NIH Short Talk: <i>Connexin 37-mediated late G1 state enables lymphatic valve morphogenesis</i> Madeline Jackson, University of Virginia <i>The role of lymphatic vessels in mesenteric inflammation</i> Sathish Srinivasan, Oklahoma Medical Research Foundation	Metabolism and Epigenetics Intersection in Cardiovascular Disease <i>RNA-mediated endothelial stress response in diabetes and complications</i> Zhen Chen, City of Hope Short Talk: <i>TGFβ negatively regulates CPT1A-mediated fatty acid oxidation to impair cardiac lymphangiogenesis and exacerbate cardiac dysfunction following myocardial ischemia</i> Esteban Delgado, Temple University Short Talk: <i>Empagliflozin restores angiogenic gene regulatory pathways in the cardiac microvasculature in diabetes-induced heart failure with preserved ejection fraction</i> Cori Lau, University Health Network <i>Epigenetics and inflammation in cardiovascular disease</i> Katherine Gallagher, University of Michigan
10:30am-12:00pm	New Trends in Vascular Biology Short Talk: <i>Platelets unlock endothelial plasticity toward mesenchymal fates to promote aortic Aneurysm</i> Yogi Pratama, NYU Langone Health Short Talk: <i>The splicing factor SF3B1 is essential for safeguarding global splicing integrity and suppressing ferroptosis in endothelial cells to support angiogenesis</i> Ziqing Liu, Medical College of Wisconsin Short Talk: <i>Piezo2-Vegfr3 signaling axis regulates lymphangiogenesis in calcium dependent manner</i> Zuzanna Juskiewicz, University of Virginia Short Talk: <i>Type 1 Diabetes Abrogates Female Vascular Protection Through Renin-Angiotensin -Aldosterone System-Dependent Oxidative Stress Despite Preserved Endothelial Bioenergetics</i> Adam Salon, Augusta University Short Talk: <i>Engineering Macrophage-Informed Vascularization: From Native Microvessel Biology to Regenerative Applications</i> Si Tong Huo, University of Toronto Short Talk: <i>Engineering Lymphatic Vascular Tissues from Human Induced Pluripotent Stem Cells</i> Donny Hanjaya-Putra, University of Notre Dame	Musculoskeletal Microcirculation <i>Age-related microvascular dysfunction: The skeleton and beyond</i> Rhonda Prisby, University of Texas at Arlington Short Talk: <i>The histone modification H3K4me2 and the DNA demethylase TET2 coordinately regulate microvascular SMC recruitment and coverage during hindlimb ischemia-induced angiogenesis</i> Sanjana Basak, University of Pittsburgh Short Talk: <i>Impacts of Metabolic Disease and Aging on Synovial Microvasculature in Knee Osteoarthritis: Roles of Synovial Endothelial-to-Mesenchymal Transition</i> Qinli Guo, Western University <i>The relationship between microvascular health and neuromuscular function post-stroke</i> Matthew Durand, Medical College of Wisconsin
12:00-1:00pm	Community Building Workshop for International Scholars in the US	Group Lunch for all others
1:00-2:30pm	Mechanisms of Vascular Disease and Resilience <i>Smooth muscle pathobiology in vascular disease</i>	

	Daniel Greif, Yale University <i>Endothelial cell nuclear mechanotransduction regulates vascular resilience</i> Victoria Bautch, UNC Chapel Hill <i>Role of endothelial cell cycle in fate specification</i> Karen Hirschi, University of Virginia School of Medicine
2:45-4:30pm	NAVBO – Award Lectures and Presentations Presentation of the Stephen Schwartz Award - Peter Libby, Harvard School of Medicine Presentation of the Florence Sabin Award - Sharon Gerecht, Duke University Springer Award Presentation and Lecture - <i>TGFβ-Mediated Metabolic Regulation of Cardiac Lymphatics After Myocardial Infarction</i> Xiaolei Liu, Temple University Folkman Award Presentation and Lecture - <i>From endothelial mechanobiology toward precision nanomedicine for vascular disease</i> Yun Fang, University of Chicago
5:00-7:00pm	Poster Sessions
7:00-9:00pm	Farewell Dinner, Poster Award Presentations and Closing Remarks