7:00-8:00am	Group Breakfast	Career Development Forum Breakfast
8:00-10:00am	Advanced Molecular Mechanisms in Vascular Matrix Remodeling	Neuroinflammation Mechanisms of cerebral microvascular dysfunction in
	Systems approach to cardiovascular calcification	AD/ADRD: role of cellular inflammatory mediators Paulo Pires, University of Arizona
	Elena Aikawa, Brigham and Women's Hospital	Short talk: <i>Pde4b activity and vascular association</i>
	Short talk: Functional profiling of SCAD- associated genes reveals disruption of ECM	correlate with immune-like oligodendrocytes in chronic stress Miguel M Madeira, Stony Brook University
	and cell morphology in human vascular cells Emily Bramel, Broad Institute of MIT	Short talk: <i>Myeloid \(\beta^2 - adrenergic receptors mediate neuroimmune signaling to prime aortic stiffness</i>
	Short talk: Role of endothelial Nck1 in atherosclerosis	Tzung Hsiai, UCLA
	Cyrine Ben Dhaou, LSUHS Short talk: <i>BMP1 coronary disease causality</i> and mechanisms of disease risk	Short talk: <i>Microglia and neutrophils reciprocally mediate</i> unique post-stroke spatial patterning independent of infarct topology Laurel Schappell, Stony Brook
	Joao Monteiro, Stanford University Short talk: CRK/CRKL regulate embryonic angiogenesis by maintaining formation of tip cells and modulating MAP4K4 signaling in mammals	Short talk: A high-throughput human Blood-brain barrier (BBB)-on-a-chip model for drug discovery of anti-inflammatory and barrier restoring agents for neurological disorders Nick Saites, Mimetas B.V.
	Lijie Shi, Albert Einstein College of Medicine Mineralization in the matrix	Vascular contributions to neuroinflammation: novel roles for endothelial tissue-nonspecific alkaline phosphatase
	Cynthia St. Hilaire, University of Pittsburgh	Candice Brown, Indiana University School of Medicine
10:30am- 12:00pm	Blood Vascular Development Higd1b is a unique and conserved gene marker for pericytes Ko Yuan Boston Children's Hospital	Vascular Extracellular Matrix Bioengineering Engineering human blood vessels for modeling and therapeutics Sharen Corocht, Duko University
	Ke Yuan, Boston Children's Hospital	Sharon Gerecht, Duke University Shart talk: Pickering Leaving Language Lan
	Short talk: <i>The metabolism-regulated transcription factor FOXO1 links nutrient deprivation to the establishment of artery</i>	Short talk: <i>Biological sex influences long term remodeling</i> outcomes of compliance matched vascular grafts Katarina Martinet, University of Pittsburg
	identity Qingqing Yin, Stanford University	Short talk: From human genetics to therapeutics: RNA nanomedicine for cardiovascular and metabolic disease
	Short talk: Pioneer factor ETV2 safeguards endothelial cell specification by recruiting the repressor REST to restrict alternative lineage commitment Danyang Chen, Boston Childrens	Yun Fang, University of Chicago Matrix-mediated regeneration of vasa vasorum as a treatment for aortic aneurysm Julie Phillippi, University of Pittsburgh
	Short talk: <i>Artery formation is mediated by Esm1+ endothelial cells</i> Ralf Adams, MPI for Molecular Bioscience	Julie Filluppi, Offiversity of Fittsburgh
	Short talk: Endothelial Ovol1 regulates angiogenesis via Slug	
	Kapil Thapa, Tulane University	
12:00-1:30pm 1:30-3:00pm	Group Lunch MCS President's Symposium: Bone Marrow	Niche
1.30 3.00pm	Clonal hematopoiesis: the emergent risk factor Kenneth Walsh, University of Virginia	
	The role of the nitric oxide / soluble guanylyl cyclase pathway in erythropoiesis Miriam Cortese-Krott, Heinrich Heine University	
	niches	istinguish the bone marrow and splenic hematopoietic
3:00-3:45pm	Adil Rasheed, Augusta University MCS Landis Award Lecture The Architecture of Resistance: Three Decades in Microcirculatory Research	
4:00-5:30pm	Donald Welsh, Robarts Research Institute, Ur Emerging Topics in Microcirculation	versity of Western Ontario Vascular Remodeling in the Uterus and Placenta
	Short talk: Paracrine regulation of angiogenesis and coronary microvascular function by cardiac-specific isoform Friend of	The impact of the regulation of uteroplacental perfusion on fetal growth: novel animal models and human studies Ramon Lorca, University of Colorado
	GATA 2 (FOG2S) Marie Guerraty, University of Pennsylvania	Mechanisms of placental vascular growth Mark Kahn, University of Pennsylvania
	Short talk: <i>Investigating stimuli that elicit</i> pericyte-capillary dissociation in skeletal muscle Mark A Danesh, York University	
	Short talk: <i>Calcium influx via Cx43</i> hemichannels directs eNOS internalization and endothelial hyperpermeability Pia Burboa, Rutgers University	Y
	Short talk: Rapid activation of TRPV4 channels by aldosterone in mouse and human vascular smooth muscle cells Fênix Araujo, University of Virginia	
	Short talk: <i>Understanding the process and signaling of coronary collateral growth in adul heart by single-cell RNA sequencing</i> Jian Shi, NE Ohio	i.
	Short talk: <i>Poor lysosome acidification blunts BKCa channel activity in the cerebral vasculature of male 5x-FAD mice</i> Paige E. Martin, University of Arizona	
5:30-7:00pm	Dinner on your own	