



Basic Cardiovascular Sciences 2022

Bridging Basic and Translational Science in Cardiovascular Disease
July 25-28, 2022 | Chicago Hilton | Chicago, Illinois
Program Agenda

Time (Central Daylight Time- CDT)	MONDAY – July 25
8:00 – 8:45 am	AHA Research Overview Glenn Dillon, PhD, American Heart Association
9:00 – 9:15 am	Early Career Opening Remarks Susmita Sahoo, PhD, Mount Sinai School of Medicine Sarah Schumacher-Bass, PhD, Cleveland Clinic
9:15 – 10:15 am	Early Career Session 1: Next Best Thing in Cardiovascular Research Moderators: Dominic P. Del Re, PhD, Rutgers University Kedryn K. Baskin, PhD, Ohio State University 9:15 Premature Stop Mutations In Mybphl Share The Common Pathomechanism Of Preventing Protein Incorporation Into The Cardiac Myofilament Alejandro Alvarez-Arce, Kelly Araujo, Lucas Wittenkeller, David Y Barefield, Loyola Univ Chicago, Maywood, IL

	<p>9:35 RBPMS, An RNA-binding Protein That Mediates Cardiomyocyte Binucleation And Cardiovascular Development Peiheng Gan, UT Southwestern Medical Ctr, Dallas, TX; Rhonda S Bassel-Duby, UT SOUTHWESTERN MEDICAL CENTER, Plano, TX; Ning Liu, UT Southwestern Medical Ctr, Dallas, TX; Eric N Olson, UNIV TEXAS SOUTHWESTERN MED CTR, Dallas, TX</p> <p>9:55 A Novel Nuclear Role For REDD1 In Cardiac Insulin Sensitivity And Resistance Mason Wheeler, Fralin Biomedical Res Inst at Virginia Tech, Roanoke, VA; jessica Ibeti, Walter J Koch, TEMPLE UNIVERSITY SCHOOL MEDIC, Philadelphia, PA; Jessica M Pflieger, Virginia Tech Carilion, Philadelphia, PA</p>
10:15 – 10:45 am	<i>Break/Exhibits</i>
10:45 – 11:45 am	<p>Early Career Session 2: Next Best Thing in Cardiovascular Research</p> <p>Moderators: Patricia Nguyen, MD, Stanford University Mohammad Al-Khalaf, PhD, Ottawa Heart Institute</p> <p>10:45 Mitochondrial Microdomain Disruption Results In Sinus Node Dysfunction In Heart Failure Lu Ren, Stanford Univ, Palo Alto, CA; Raghavender Reddy Gopireddy, UC Davis, Davis, CA; Guy Perkins, UCSD, San Diego, CA; Valeriy Timofeyev, Yankun Lyu, Daphne A Diloretto, James Overton, Wilson Xu, Nathan Grainger, Elena N Dedkova, Xiao-Dong Zhang, UC Davis, Davis, CA; Ebenezer Yamoah, Univ of Nevada, Reno, Reno, NV; Manuel F Navedo, Nipavan Chiamvimonvat, Phung N Thai, UC Davis, Davis, CA</p> <p>11:05 A Mouse Model Carrying The R502W Mutation In Cardiac Myosin Binding Protein C (cMyBP-C) Leads To Hypertrophic Myocardial Remodeling In The Absence Of <cMyBP-C> Haploinsufficiency</p>

	<p>Laura Sen-Martín, Ángel Fernández-Trasancos, Miguel Lopez-Unzu, David Sánchez-Ortiz, María Rosaria Pricolo, Jorge Alegre-Cebollada, Ctr Nacional de Investigaciones Cardiovasculares (CNIC), Madrid, Spain</p> <p>11:25 Cardiac Fibroblast GSK-3α Aggravates Ischemic Cardiac Injury By Promoting Fibrosis, Inflammation, And Impairing Angiogenesis Prachi Umbarkar, Sultan Tousif, Suma Ejantkar, Angelica Toro Cora, Qinkun Zhang, Hind Lal, Univ of Alabama at Birmingham, Birmingham, AL</p>
11:45 am – 12:30 pm	<p>Moderator: Sean Wu, MD, PhD, Stanford University</p> <p>Early Career Keynote: “Science is a Discipline with No Borders” Ivor Benjamin, MD, FACC, FAHA, Medical College of Wisconsin</p>
12:30 – 1:00	<i>Break/Exhibits</i>
1:00 – 1:30 pm	<p>Opening Welcome</p> <p>Moderator: Elizabeth McNally, MD, PhD, Northwestern University</p> <p>1:00 Opening Remarks from the President of the American Heart Association Michelle A. Albert, MD, MPH, FAHA, University of California San Francisco</p> <p>1:15 Welcome Remarks from the BCVS Leadership Committee Chair Jianyi “Jay” Zhang, MD, PhD, FAHA, University of Alabama at Birmingham</p>
1:30 – 2:45 pm	Session 1: Genetic Basis of Cardiomyopathy

	<p>Moderators: Konstantinos Drosatos, MSc, PhD, University of Cincinnati Brett A Colson, PhD, University of Arizona</p> <p>1:30 Molecular substrates for sudden cardiac death in young athletes with Plakophilin-2 deficiency Mario Delmar, MD, New York University, Langone Medical Center</p> <p>1:50 Role of junctophilin in cardiomyopathies Xander Wehrens, MD, PhD, Baylor College of Medicine, Cardiovascular Research Institute</p> <p>2:10 Insights into hypertrophic and dilated cardiomyopathy phenotypes studied in transgenic <i>MYL2</i> mice Danuta Szczesna-Cordary, PhD, University of Miami</p> <p>2:30 Myosin Binding Protein H-like Competes With Cardiac Myosin Binding Protein-c To Prolong Atrial Contraction Kelly Araujo, Loyola Univ Chicago, Maywood, IL; Kc Woulfe, UNIVERSITY OF COLORADO, Aurora, CO; Lucas Wittenkeller, David Y Barefield, Loyola Univ Chicago, Maywood, IL</p>
2:45 – 3:15 pm	Break/Exhibits
3:15 – 4:30 pm	<p>Session 2: Cardiac Repair, Cellular Reprogramming and Tissue Engineering</p> <p>Moderators: Richard Lee, MD, Harvard University Olaf Bergmann, PhD, Karolinska</p>

	<p>3:15 Metabolic Regulation of Mammalian Heart Regeneration Ahmed Mahmoud, PhD, University of Wisconsin-Madison</p> <p>3:35 Recent Advance in Direct Cardiac Reprogramming Li Qian, PhD, University of North Carolina</p> <p>3:55 Prolonged Regenerative Capacity in the Neonatal Opossum Heart Wataru Kimura, PhD, Riken Center for Developmental Biology</p> <p>4:15 Injection Of Human iPSC-derived Cardiac Cells Promote Cardiac Repair After Infarction In Nonhuman Primates Yu-Che Cheng, Inst of Biomedical Sciences, Academia Sinica, Taipei, Taiwan; Marvin Hsieh, Univ of Wisconsin-Madison, Madison, WI; Chen-Ju Lin, Univ of Wisconsin-Madison, Madison, WI, Taipei City; Cindy Miao-chuan Chang, NCKU Res and Development Found, Tainan; Ching-Ying Huang, Riley Puntney, NCKU Res and Development Found, Tainan, New Taipei City; Amy Moy, Univ of Wisconsin-Madison, Madison, WI; Ting Chien-Yu, Darien Chan, Inst of Biomedical Sciences, Academia Sinica, Taipei, Taiwan; Martin Nicholson, Taipei; Jen-Hao Lin, Po-Ju Lin, Inst of Biomedical Sciences, Academia Sinica, Taipei, Taiwan; Hung-Chih Chen, Academia Sinica, Taipei; Gina Kim, Univ of Wisconsin-Madison, Madison, WI; Jennifer Coonen, Univ of Wisconsin-Madison, Madison, WI, Madison, WI; Yen-Wen Liu, DIVISION OF CARDIOLOGY, Tainan; Timothy A Hacker, Univ of Wisconsin, Madison, WI; Timothy Kamp, U OF WISCONSIN-MADISON, Madison, WI; Patrick C Hsieh, ACADEMIA SINICA, Taipei City</p>
4:30 – 7:00 pm	Poster Session 1 (includes Poster Competition)
Time (CDT)	TUESDAY – July 26
7:00 – 8:00 am	Continental Breakfast
7:00 – 8:00 am	Women in Science Breakfast

	<p>Moderators: Nicole Purcell, PhD, Huntington Medical Research Institutes Sarah Schumacher-Bass, PhD, Cleveland Clinic</p> <p>BCVS Champions the Women and Embracing Diversity</p> <p>Jane Freedman, MD, Vanderbilt University Editor-in-Chief, <i>Circulation Research</i></p> <p>Elizabeth McNally, MD, PhD, Northwestern University Editor-in-Chief, Journal of Clinical Investigation</p> <p>Nancy Sweitzer, MD, PhD, University of Arizona Health Sciences Editor-in-Chief, Circulation Heart Failure</p> <p>Rong Tian, MD, PhD, University of Washington Editor-in-Chief, Journal of Molecular and Cellular Cardiology</p>
<p>8:00 – 9:15 am</p>	<p>Session 3: Small RNAs, Exosomes and Extracellular Vesicles in Cardiovascular Disease</p> <p>Moderators: Jiang Chang, MD, PhD, Texas A&M University Susmita Sahoo, PhD, Mount Sinai</p> <p>8:00 Interorgan Transport of Adipocyte Mitochondrial-derived Vesicles Precondition the Heart Against Ischemia Reperfusion Injury Clair Crewe, PhD, Washington University School of Medicine in St Louis</p>

	<p>8:20 Cyclin D2 Overexpression Enhances the Efficacy of Human Induced Pluripotent Stem Cell-derived Cardiomyocytes for Myocardial Repair in a Swine Model of Myocardial Infarction Jianyi "Jay" Zhang, MD, PhD, University of Alabama at Birmingham</p> <p>8:40 Cardiac Extracellular Vesicles Accelerate Pathology of Diseases Jonathan Leor, MD, PhD, Tel Aviv University, Israel</p> <p>9:00 Extracellular Vesicles Function As An Alternative Disposal Pathway For Mitochondria In The Heart Wenjing Liang, UNIVERSITY OF CALIFORNIA SAN DIEGO, San Diego, CA; Rachel Diao, UC San Diego, San Diego, CA; Rita Najor, Justin Quiles, Liguo Chi, UNIVERSITY OF CALIFORNIA SAN DIEGO, San Diego, CA; Asa Gustafsson, Univ of California, San Diego, La Jolla, CA</p>
9:15 – 9:45 am	Refreshment Break/Exhibits
9:45 – 11:00 am	<p>Session 4: Advances in Cardiac Hypertrophy and Remodeling</p> <p>Moderators: Priscila Sato, PhD, Drexel University Jiandong Liu, PhD, University of North Carolina</p> <p>9:45 PKG1 blood pressure-independent anti-remodeling mechanisms Robert Blanton, MD, Tufts Medical Center</p> <p>10:05 Secretion of Mitochondria as a Mitochondrial Quality Control Mechanism Asa Gustafsson, PhD, University of California San Diego</p> <p>10:25</p>

	<p>Regulation of post-transcriptional gene expression modulates myofibroblast activation Michael Tranter, PhD, University of Cincinnati</p> <p>10:45 Stress-induced Uhrf1 Epigenetically Modulates Angiogenesis And Cardiac Function In Ventricular Hypertrophy Arianna Felicetta, Humanitas Univ, Pieve Emanuele (Milan), Italy; Pierluigi Carullo, Humanitas Res Hosp, Rozzano (Milan), Italy; Giada Cassanmagnago, Humanitas Univ, Pieve Emanuele (Milan), Italy; Marco Cremonesi, Humanitas Res Hosp, Rozzano (Milan), Italy; Mauro Passaretti, Humanitas Univ, Pieve Emanuele (Milan), Italy; Federico Colombo, Javier Cibella, Gianluca Basso, Clelia Peano, Humanitas Res Hosp, Rozzano (Milan), Italy; Gianluigi Condorelli, Humanitas Res Hosp, Rozzano (Milan), Italy</p>
11:00 am - Noon	<p>Session 5: Keynote Lecture</p> <p>Moderators: Pilar Alcaide, PhD, Tufts University Sumanth Prabhu, MD, Washington University School of Medicine in St. Louis</p> <p>From Bench to Bedside: The Role of Science in Treating a Deadly Disease Leslie Leinwand, PhD, University of Colorado</p>
Noon – 1:30 pm	<p>Lunch on Your Own/Poster Viewing/Exhibits <i>Or</i> BCVS Early Career: Lunch with Legends <i>*Ticketed event for early career members to meet invited senior investigators.</i></p> <p>Table Leaders: Sean Wu, MD PhD, Stanford University Sakthi Sadayappan, PhD, University of Cincinnati Jill Tardiff, PhD, University of Arizona Susmita Sahoo, PhD, Mount Sinai</p>

	<p>Åsa Gustafsson, PhD, UC San Diego Steve Jones, PhD, University of Louisville Sarah Schumacher, PhD, Cleveland Clinic Elizabeth McNally, MD, PhD, Northwestern University Jonathan Kirk, PhD, Loyola University Chicago Rong Tian, PhD, University of Washington Xinliang Ma, PhD, Thomas Jefferson University Young-sup Yoon, MD, PhD, Emory University Nicole Purcell, PhD, Huntington Medical Research Institutes Robin Shaw, MD, PhD, University of Utah</p>
1:30 – 2:45 pm	<p>Session 6: Hot Topics in Cardiac Fibrosis</p> <p>Moderators: Steven Jones, PhD, University of Louisville Tariq Hamid, PhD, Washington University of St Louis</p> <p>1:30 Cardiac fibroblast activity enables cardiomyocyte hypertrophy in vivo Jeff Molkentin, PhD, Cincinnati Children’s Hospital Medical Center</p> <p>1:50 Targeting Fibroblast Subpopulations in Hypertensive Heart Disease Taben Hale, PhD, University of Arizona</p> <p>2:10 Phenotypic Screening, Artificial Intelligence and New Therapeutic Targets for Cardiac Fibrosis Timothy McKinsey, PhD, University of Colorado Denver</p> <p>2:30</p>

	Asporin, An Extracellular Matrix Protein, Is A Beneficial Regulator Of Cardiac Remodeling Deepika Rai, Cedars Sinai Medical Ctr, Los Angeles, CA; Chengqun Huang, Cedars-Sinai Medical Ctr, Los Angeles, CA; Reetu Thakur, Cedars Sinai Medical Ctr, Los Angeles, CA; Ankush Sharma, Univ of Oslo, Oslo, Norway; Roberta A Gottlieb, CEDARS-SINAI MEDICAL CENTER, Los Angeles, CA; Honit Piplani, Cedars Sinai Medical Ctr, Los Angeles, CA
2:45 – 3:15 pm	Refreshment Break/Exhibits
3:15 – 4:30 pm	<p>Session 7: Bench to Bedside: Cardiovascular Therapeutics not Lost in Translation</p> <p>Moderators: Farah Sheikh, PhD, University of California San Diego Irene Cal Y Mayor-Turnbull, MD, Mount Sinai</p> <p>3:15 Gene Therapy Approaches to Signal Cardiomyocyte Renewal in the Injured Heart James F. Martin, MD, Baylor College of Medicine</p> <p>3:35 Variant effect mapping for inherited cardiomyopathy Victoria N. Parikh, MD, Stanford University School of Medicine</p> <p>3:55 Fueling the Flames of Inflammation and Atherosclerosis: Role of Cell Death Katey Rayner, PhD, University of Ottawa Heart Institute</p> <p>4:15 Nil10: A Newly Synthesized Nanoparticle That Reduces Inflammation And Preserves Heart Function In Murine And Porcine Models Of Acute Myocardial Infarction Laura Tesoro, Univ Francisco de Vitoria, Pozuelo De Alarcon, Spain; Laura Botana, Madrid; Ignacio Hernandez Navarro, Univ Francisco de Vitoria, Pozuelo de Alarcon, Spain; Rafael Ramirez-Carracedo, Univ Francisco de Vitoria, Pozuelo de Alarcon, Spain, Las Rozas; Jose L Zamorano, Hosp Ramon y</p>

	Cajal, Madrid, Spain; Marta Saura, Univ de Alcala, Alcala De Henares, Spain; Carlos Zaragoza, Univ Francisco de Vitoria, Pozuelo De Alarcon
4:30 – 7:00 pm	Poster Session 2 (includes Poster Competition)
7:00 pm	Early Career Social
Time (CDT)	Wednesday, July 27
7:00 – 8:00 am	Continental Breakfast/Registration/Exhibits
8:00 – 9:15 am	<p>Session 8: Novel Mechanisms of HFpEF and HFrEF</p> <p>Moderators: Edward Thorp, PhD, Northwestern University Flora Sam, MD, Boston University</p> <p>8:00 Mitochondrial Mechanisms in Heart Failure Rong Tian, MD, University of Washington</p> <p>8:30 Lipid-based signaling in cardiometabolic HFpEF Gabriele Schiattarella, MD, Charite University MDC Berlin</p> <p>9:00 Troponin I Tyrosine-26 Phosphorylation Improves Relaxation And Is Beneficial During Pathological Diastolic Dysfunction Lorien Salyer, Sarah Sturgill, Elizabeth Brundage, Hussam Salhi, Vikram Shettigar, Eaman Abay, Mark T Ziolo, Brandon Biesiadecki, The Ohio State Univ, Columbus, OH</p>
9:15 – 9:45 am	Refreshment Break/Exhibits
9:45 – 11:00 am	<p>Session 9: The Heart and Cancer: New Insights</p> <p>Moderators: Douglas Sawyer, MD, Maine Health Han Zhu, MD, Stanford University</p>

	<p>9:45 Inter-organ cross-talk in anthracycline cardiomyopathy Aarti Asnani, MD, Beth Israel Deaconess</p> <p>10:05 Metabolism through a Hyperpolarized Lens: from Hype to Breakthroughs Vlad Zaha, MD, UT Southwestern Medical Center</p> <p>10:25 Acute and Chronic Cardiovascular Complications of Immune Checkpoint Inhibitors, Challenges and Insights into Cardiovascular Biology Tomas Neilan, MD, Massachusetts General Hospital</p> <p>10:45 Ponatinib-induced Cardiotoxicity Is Driven By S100A8/A9-NLRP3-IL1β Signaling Mediated Excessive Inflammation Tousif Sultan, UAB, Birmingham, AL; Anand P Singh, Massachusetts General Hosp, Boston, MA; Prachi Umbarkar, UAB Sch of Med, Birmingham, AL; Cristi Galindo, Nicholas Wheeler, Western Kentucky Univ, Bowling Green, KY; qinkun zhang, Univ of Alabama at Birmingham, Birmingham, AL; Sumanth D Prabhu, Washington Univ, Saint Louis, MO; Hind Lal, UAB, Birmingham, AL</p>
11:00 – 11:45 am	<p>Session 10: Outstanding Early Career Investigator Award Competition</p> <p>Moderators: Farah Sheikh, PhD, UC San Diego Danuta Szczesna-Cordary, PhD, University of Miami Health System</p> <p>11:00 Cardiac Reprogramming Inducer ZNF281 Is Indispensable For Heart Development By Interacting With Key Cardiac Transcriptional Factors</p>

	<p>Hisayuki Hashimoto, Keio Universtiy Sch of Med, Tokyo, Japan; Jin Komuro, Keio Univ, Tokyo; Takahiro Nakamura, Keio Universtiy Sch of Med, Tokyo, Japan; Shinsuke Yuasa, Keio Universtiy Sch of Med, Tokyo, Japan, Tokyo, Japan; Keiichi Fukuda, KEIO UNIVERSITY, Tokyo</p> <p>11:15 Unbiased Discovery Of Allograft Inflammatory Factor 1 As A New And Critical Immunometabolic Regulatory Node During Cardiac Injury Matthew DeBerge, Edward B Thorp, NORTHWESTERN UNIVERSITY, Chicago, IL</p> <p>11:30 ATP-dependent Citrate Lyase Drives Metabolic Remodeling In The Heart During Cancer Shijie Liu, Texas Heart Inst, Houston, TX; Seth Gammon, Lin Tan, MD Anderson Cancer Ctr, Houston, TX; Janet Pham, Cedars-Sinai Medical Ctr, Los Angeles, CA; Philip L. Lorenzi, MD Anderson Cancer Ctr, Houston, TX; Heinrich Taegtmeier, MCGOVERN MEDICAL SCHOOL AT UTHEALTH, Houston, TX; David Piwnica-Worms, MD Anderson Cancer Ctr, Houston, TX; James F Martin, BAYLOR COLLEGE OF MEDICINE, Houston, TX; Anja Karlstaedt, Cedars-Sinai Medical Ctr, Los Angeles, CA</p>
11:45 am – 1:30 pm	<p>Lunch on Your Own OR AHA Center for Accelerated Drug Discovery</p>
1:30 – 2:45 pm	<p>Session 11: Metabolic Cues in Heart Disease</p> <p>Moderators: Kedryn Baskin, PhD, Ohio State University John Elrod, PhD, Temple University</p> <p>1:30 Atypical Sphingolipids in Ischemia Mitochondrial Function Lauren Cowart, PhD, Virginia Commonwealth University</p>

	<p>1:50 Cardiac metabolism, an important driver of cardiovascular diseases Guadalupe Sabio, DVM, PhD, Spanish National Centre for Cardiovascular Research</p> <p>2:10 Human cardiac metabolism in health and heart failure Zoltan Arany, MD, PhD, University of Pennsylvania</p> <p>2:30 Inhibition Of Cardiac Glucose Transporter 1 Suppresses Early Glucose Dependency And Klf5 Activation And Treats Cardiomyopathy In Diabetes Sobuj Mia, Univ of Cincinnati, Cincinnati, OH; Ioannis D Kyriazis, Lewis Katz Sch of Med at Temple Univ, Philadelphia, PA; Rafailia Sidiropoulou, Univ of Cincinnati, Cincinnati, OH; Daniel Hill, Athanasios Mantalaris, Wallace H. Coulter Dept of Biomedical Engineering, Georgia Inst of Technology, Atlanta, GA; Konstantinos Drosatos, Univ of Cincinnati, Cincinnati, OH</p>
2:45 – 3:15 pm	Refreshment Break/Exhibits
3:15 – 4:30 pm	<p>Session 12: Epigenetics and Transcriptional Control of Heart Disease</p> <p>Moderators: Manuel Rosa-Garrido, PhD, UCLA Leslie Leinwand, PhD, University of Colorado</p> <p>3:15 Role of antiretroviral drugs in post-translation modification of histone and development of cardiac hypertrophy Manish K. Gupta, PhD, University of Central Florida</p> <p>3:35 Bmi-1 mediated fibroblast heterogeneity in cardiac wound healing Sadia Mohsin, PhD, Temple University</p>

	<p>3:55 Potential role of cardiac DNA methylation in heart failure related to race, diabetes, and ischemia Adam Wende, PhD, University of Alabama at Birmingham</p> <p>4:15 An Epigenome-wide Association Study Paired With Cell-type-specific Data Identifies Key Regulators Of Heart Failure Caitlin Lahue, Brian Gural, Abdalla Alkhwaja, UNC Chapel Hill, Chapel Hill, NC; Douglas Chapski, Manuel Rosa-Garrido, UCLA, Los Angeles, CA; Eleanor Wong, Natl Univ of Singapore, Singapore, Singapore; Wilson Tan, Stanford, Palo Alto, CA; Shuxun Ren, UCLA, Los Angeles, CA; Roger Foo, Cardiovascular Res Inst, Singapore; Thomas M Vondriska II, Yibin Wang, UCLA, Los Angeles, CA; Christoph Rau, UNC Chapel Hill, Chapel Hill, NC</p>
4:30 – 7:00 pm	Poster Session 3 (includes Poster Competition)
7:00 – 9:00 pm	Council Dinner
Time (CDT)	Thursday, July 28
7:00 – 8:00 am	Continental Breakfast
8:00 – 9:15 am	<p>Session 13: Cardio-immunology, Inflammation and Cardiac Pathophysiology</p> <p>Moderators: Ganesh Halade, PhD, USF Meena Madhur, MD, PhD, Vanderbilt University</p> <p>8:00 Compensatory Cardiomyocyte Growth During Hypertension Requires Resident Cardiac Macrophages Slava Epelman, MD, University Health Network</p> <p>8:20 Cardiac resident macrophages prevent fibrosis and stimulate angiogenesis Xavier Revelo, PhD, University of Minnesota</p>

	<p>8:40 Cardiac Myosin-specific Autoimmune T cells Contribute to Immune Checkpoint Inhibitor-associated Myocarditis Daniela Cihakova, MD, PhD, Johns Hopkins University</p> <p>9:00 Inflammasome Primed Neutrophils Regulate Myocardial Infarction Induced Myelopoiesis Gopalkrishna Sreejit, Sunil Nooti, Western Univ of Health Sci, Pomona, CA; Robert Jagers, Columbus, OH; Jillian Johnson, Columbus, OH, Columbus, OH; Jianjie Ma, Ohio State Univ Wexner Medical Ctr, Columbus, OH; Andrew Murphy, Baker Heart and Diabetes Inst, Melbourne, Australia; Prabhakara R Nagareddy, The Ohio State Univ, Columbus, OH</p>
9:15 – 9:45 am	Refreshment Break
9:45 – 11:00 am	<p>Session 14: Interorgan Communications in Heart Disease</p> <p>Moderators: Kristine Deleon-Pennell, PhD, Medical University of South Carolina Joel Schilling, MD, PhD, Washington University in St Louis</p> <p>9:45 Cardiorenal interactions in HFpEF - experimental models and therapeutic findings Joshua Hare, MD, University of Miami</p> <p>10:05 New mechanisms for BAT to affect the heart Kristin Stanford, PhD, Ohio State University</p> <p>10:25 Clonal hematopoiesis: hematopoietic clone wars in the cardiovascular system Jose Javier Fuster, PhD, Center for Cardiovascular Research</p>

	10:45 Maladaptive Myeloid Lipid Metabolism Promotes Cardiac Diastolic Dysfunction Through Splenic Hematopoiesis Mallory Filipp, Zhi-Dong Ge, Northwestern Univ, Chicago, IL; Sanjiv J Shah, Edward B Thorp, NORTHWESTERN UNIVERSITY, Chicago, IL
11:00 am	Adjourn