

# 2026 Vascular Research Initiatives Conference (VRIC)

*Metabolomica: Entering the Era of Reprogramming to  
Resolve Inflammation and Prevent Disease*

Wednesday, May 13, 2026

Hyatt Regency Bellevue  
900 Bellevue Way NE,  
Bellevue, WA 98004

**\*SVS Foundation Vascular Research Initiatives Conference Trainee Awardee**

Full presentations – 8 minutes, 5-minute presentations with 3 minutes of discussion  
Quick shot presentations – 6 minutes, 3-minute presentations with 3 minutes of discussion

**Wednesday, May 13, 2026**

**ROOM**

<b>6:00 AM</b>	<b>POWERPOINT PRESENTATION DROP-OFF – No CME</b>	<b>CEDAR BALLROOM (2ND FL)</b>
<b>7:00 AM</b>	<b>REGISTRATION AND CONTINENTAL BREAKFAST / POSTER PICK-UP – No CME</b>	<b>CEDAR BALLROOM FOYER (2ND FL)</b>
<b>8:00 AM</b>	<b>INTRODUCTORY REMARKS – No CME</b>	<b>CEDAR BALLROOM (2ND FL)</b>

Kathryn L Howe, MD, PhD, FRCSC, Chair, SVS Basic and Translational Research Committee

**8:08 AM ABSTRACT SESSION I - INTEGRATED MOLECULAR AND CELLULAR MECHANISMS IN PERIPHERAL ARTERY DISEASE**

Moderator: Karen Ho, MD  
Moderator: Trisha Roy, MD, PhD, FACS

**8:10 AM Full** **Spatial Transcriptomics and Immune Landscape of Tibial Artery Calcification**  
**Niu, Hong (Presenting), University of Washington;** Kamada, Keisuke; Kim, Kevin; Liu, Hui; Tang, Gale L.

**8:20 AM Quick shot** **The role of neuropilin-1 in peripheral artery disease endothelial cell metabolic dysfunction**  
McTeigue, William; Carr, Sean; Tu, Michael; Owsiany, Katherine; **Hekman, Katherine (Presenting), Stanford University**

**8:28 AM Quick shot** **Spatial Transcriptomics Comparison of Non-Peripheral and Peripheral Myonuclei in Peripheral Artery Disease Muscle**  
**Ismaeel, Ahmed (Presenting), Auburn University;** Range, Lea C.; Kosmac, Kate; Ho, Karen; Sufit, Robert; Bamman, Marc; Peterson, Charlotte; McDermott, Mary M.

**8:36 AM Quick shot** **Gut Microbial Co-occurrence Network in Patients with Peripheral Artery Disease**  
**Niraula, Sarbjeet (Presenting), Northwestern University;** Alagna, Megan E.; Seed, Patrick; Green, Stefan; Ho, Karen

**8:44 AM Full** **Single-Nucleus Multi-Omics of Human Peripheral Artery Disease Reveals Disease-Associated Smooth Muscle Cell States and Novel Therapeutic Targets**  
**Vacante, Francesca (Presenting), Stanford University;** Liu, Yu; Manhas, Amit; Tsarouchas, Themistoklis; Hafezi, Shahab; Shin, Hye Sook; Ross, Elsie; Tsao, Philip S.; Zayed, Mohamed; Hooper, Jody; Lee, Jason T.; Sluimer, Judith; Wu, Joseph C.

**8:54 AM Quick shot** **Convergence of Inflammatory and Pro-Fibrotic Pathways Centered Around Fibroblast Activation and Myofibroblast Differentiation in a Canine Model of Prosthetic Arterial Bypass Failure – Insights from Integrated Single-Nuclei and Spatial Transcriptomics**  
**Ciamarella, Michael A. (Presenting), Beth Israel Deaconess Medical Center;** Michaud, Marina; Park, Jemin; Nie, Karen; Mota, Lucas; Jordan, Sean; Bakhtiari, Mojtaba; Contreras, Mauricio; Pradhan, Leena; Ferran, Christiane; Bhasin, Manoj; Liang, Patric

**9:02 AM Quick shot** **Mapping Endothelial-Macrophage Interactions in Diabetic Vasculature: Role of TREM2 in Vascular Inflammation and Ischemic Response**  
**Malhi, Naseeb K. (Presenting), City of Hope;** Luo, Yingjun; Chen, Muxi; Tang, Xiaofang; Yuan, Dongqiang; Chadha, Rahuljeet; Tapia, Alonso; Yin, Shufan; Liu, Xuejing; Qi, Meirigeng; Reddy, Marpadga A.; Sun, Jiawei; Otto, James; Wei, Lu; Cooke, John P.; Lee, Esak; Natarajan, Rama; Southerland, Kevin; Chen, Zhen B.

**9:10 AM Quick shot** **Plaque-Associated Transcriptional Programs are Detectable in Circulating CD14+ Mononuclear Phagocytes in Patients with Peripheral Arterial Disease**  
**Esper, Ronda (Presenting), Mayo Clinic;** Cai, Junming; Sawhney, Amitoj Singh; Brownfield, Douglas; Schaller, Melinda

**9:16 AM BREAK – No CME**

**9:36 AM ABSTRACT SESSION II - MOLECULAR DETERMINANTS ACROSS ARTERIAL AND VENOUS DISEASE**

Moderator: Scott Damrauer, MD  
Moderator: Bhama Ramkhelawon, PhD

- 9:38 AM Full** **Genetic Architecture of Carotid Artery Stenosis and Imaging-Defined Disease Severity**  
**Hartmann, Katherine (Presenting), University of Pennsylvania;** Shakt, Gabrielle; Bellomo, Tiffany R.; Diemer, Elizabeth; Balasundaram, Naveen; Alba, Patrick; Lynch, Julie; Levin, Michael; Damrauer, Scott M.
- 9:48 AM Quick shot** **Human Carotid Atherosclerotic Plaque Extracellular Vesicles Modulate Macrophage Efferocytosis**  
**Abdul-Samad, Majed (Presenting), University Health Network;** Prajapati, Kamalben; Raju, Sneha; Guo, Mandy Kunze; Breda, Leandro; Scipione, Corey A.; Fish, Jason; Howe, Kathryn
- 9:56 AM Quick shot** **Dietary Ocean Nanoplastics Atherogenesis and Organ Accumulation Varies by Time and Diet Type in ApoE<sup>-/-</sup> Mice**  
**Risotto-Urbanowicz, Erin (Presenting), University of New Mexico;** Massie, Pierce; Garcia, Marcus; Friberg, Lunden; Sabouri, Mostafa; Machin, Daniel; Justus, Matthew; Iturralde-Carillo, Andrea; Abrums, Avalon; Le, Que; Marek, Jenna; Rumma, Rowza; Pace, Carolyn; Campen, Matthew J.; Clark, Ross
- 10:04 AM Quick shot** **Diet-Induced Weight Loss Improves Endothelium-Dependent Vasodilation and Lowers Circulating Adipocyte-Derived Extracellular Vesicles in Adults with Overweight/Obesity**  
**Holzer, Joshua (Presenting), University of Colorado Boulder;** Ruzzene, Samuel T.; Orozco-Fersiva, Nathalie; Valenti, Whitney; Gilmore, Emily; Venkatarmani, Suryha; R. Berry, Auburn; Lineberry, Grace; DeSouza, Noah; Greiner, Jared; Pacheco Garcia, Vinicius; Park, Andrew; Stauffer, Brian; Desouza, Christopher
- 10:12 AM Full** **The Histone Methyltransferase SETD4 Regulates Smooth Muscle Cell Differentiation and Response to Neointimal Hyperplasia via IL23 and KLF4**  
**Mangum, Kevin D. (Presenting), University of Michigan;** Xiong, Liqun; Joshi, Amrita; Shadiow, James; Moon, Jadie; Rocco, Sabrina; Davis, Frank; Ho, Karen; Gallagher, Katherine A.
- 10:22 AM Quick shot** **Ultra-short Echo Time Magnetic Resonance Imaging Staging Predicts Endovascular Immediate Technical Failure, Crossing Time and Case Complexity**  
Crichton, Alexander; Pomozi, Eniko; Csore, Judit; Lamichhane, Janak; Karmonik, Christof; Lumsden, Alan; **Roy, Trisha (Presenting), Houston Methodist DeBaakey Vascular**
- 10:30 AM Quick shot** **Identification of High-Risk Asymptomatic Carotid Artery Stenosis Patients Using Multiomics and Molecular Aging Clocks**  
**Prajapati, Kamalben (Presenting), University Health Network;** Baichoo, Shakuntala; Punwasi, Neil; Kuzmanov, Uros; Fish, Jason; Subasri, Vallijah; Howe, Kathryn L.
- 10:38 AM Quick shot** **Toll-like receptor 4 signaling coordinates fibrinolysis and vein wall remodeling during venous thrombus resolution**  
**Zhao, Yanqing (Presenting), University of Michigan;** Kumar, Kiran; Moreno, Oscar Y.; Eggleston, Trevin; Luke, Catherine; Henke, Peter; Moore, Bethany; Gallagher, Katherine A.; Obi, Andrea T.

**10:44 AM BREAK – No CME**

**11:00 AM ALEXANDER W. CLOWES DISTINGUISHED LECTURE**

Moderator: Kathryn L Howe, MD, PhD, FRCSC,  
Chair, SVS Basic and Translational Research Committee

**11:02 AM Genomics of Stromal Cells in Atherosclerosis**

**Muredach Reilly, MB, BCh, MS**

Professor of Medicine and Director of the Irving Institute  
Columbia University

**11:32 AM JVS-VASCULAR SCIENCE UPDATE – NO CME**

Moderator: Luke Packard Brewster, MD, PhD

**11:42 AM LUNCH & POSTER PREVIEW – NO CME**

**EVERGREEN BALLROOM GHI (LOBBY LEVEL)**

**12:32 PM SVS FOUNDATION UPDATE AND AWARDS CEREMONY – NO CME**

**CEDAR BALLROOM (2ND FL)**

Moderator: Peter K. Henke, MD  
Chair, SVS Research Council

**VRIC Trainee Awardees**

Sama Salih

Majed Abdul-Samad

Erin Risotto-Urbanowicz

Apoorva Bhandari

**12:42 PM SVS FOUNDATION MENTORED CLINICAL SCIENTIST RESEARCH CAREER DEVELOPMENT AWARD**

Moderator: Kathryn L Howe, MD, PhD, FRCSC  
Chair, SVS Basic and Translational Research Committee

**12:44 PM Cellular Senescence in Chronic Limb Threatening Ischemia: Tissue Signatures, Circulating Biomarkers, and Therapeutic Targets**

**Kevin W. Southerland, MD**

Associate Professor

Duke University

**12:54 PM ABSTRACT SESSION III - TRANSLATIONAL MECHANISMS AND THERAPEUTIC TARGETS IN AORTIC ANEURYSM DISEASE**

Moderator: Frank M. Davis, MD  
Moderator: Alan Daugherty, PhD, DSc

- 12:56 PM Full** **The Histone Acetyltransferase MOF Regulates Macrophage Inflammation During Abdominal Aortic Aneurysm Development**  
**Salih, Sama (Presenting), University of Michigan;** He, Xiaobing; Juriga, Nicholas; Pierre-Louis, Dominique; Callow, Brennan; Joshi, Amrita; Wasikowski, Rachael; Obi, Andrea T.; Gudjonsson, Johann; Gallagher, Katherine A; Davis, Frank
- 1:06 PM Quick shot** **TBX20 Drives Maladaptive Smooth Muscle Cell Dedifferentiation in Thoracic Aortic Aneurysm**  
**Buech, Joscha (Presenting), LMU University Hospital;** Chernogubova, Ekaterina; Radner, Caroline; Pauli, Jessica; Li, Zhaolong; Hagl, Christian; Pichlmaier, Maximilian; Paloschi, Valentina; Peterss, Sven; Maegdefessel, Lars
- 1:14 PM Quick shot** **Distinct Type 2 Diabetes Mechanisms Show Contrasting Effects on Abdominal Aortic Aneurysm**  
**DeVaro, David (Presenting), University of Pennsylvania;** Raghavan, Sridharan; Walker, Venexia; Gaunt, Tom; Larsson, Susanna; Levin, Michael; Tsao, Philip S.; Yuan, Shuai; Damrauer, Scott M.
- 1:22 PM Quick shot** **Divergent role of cell-specific YAP/TAZ signaling mediates the pathogenesis of abdominal aortic aneurysm formation**  
**Ueland, Walker (Presenting), University of Florida;** Bellotti, Paolo; Valisno, Jeff Arni; Adithan, Aravinthan; Kollareth Manual, Denny Joseph; Fassler, Michael; Krebs, Jonathan; Su, Gang; Sharma, Ashish; Upchurch, Gilbert R.
- 1:30 PM Full** **Aquaporin-4: A predictor and therapeutic target for permanent paraplegia caused by endovascular aortic aneurysm repair**  
**Kelly, James (Presenting), Kings College London;** Smith, Alberto; Patel, Ashish; Marsala, Martin; Mayr, Manuel; Modarai, Bija
- 1:40 PM Quick shot** **Serum And Glucocorticoid Inducible Kinase-1 Contributes to Abdominal Aortic Aneurysm Growth Via Phenotypic-Switching of VSMCs: A Comparative Proteomic Study**  
**Cliff, Cassandra L. (Presenting) Medical University of South Carolina;** Anderson, Matthew P.; Zhang, Leilei; Mukherjee, Rupak; Jones, Jeffrey A.; Ruddy, Jean Marie
- 1:48 PM Quick shot** **Biaxial Mechanics of Murine Abdominal Aortic Aneurysm Tissue to Model Human Disease**  
**Wahidi, Ryan (Presenting), Washington University School of Medicine;** Otani, Brendan; Elizondo Benedetto, Santiago; Arif, Batool; Braasch, Maxwell; Bersi, Matthew; Zayed, Mohamed A.
- 1:56 PM Quick shot** **Addressing Aortic Aneurysm Disease in Yucatan LDLR<sup>-/-</sup> Minipigs: Testing Drug-eluting Balloons as Novel Treatment Options**  
**Hanft, Katrin (Presenting), University Hospital Rechts der Isar, Technical University Munich;** Metschl, Susanne; Winter, Hanna; Pauli, Jessica; Sachs, Nadja; Boon, Reinier; Knappich, Christoph; Branzan, Daniela; Busch, Albert; Maegdefessel, Lars

<b>2:02 PM</b>	<b>BREAK – No CME</b>
<b>2:18 PM</b>	<b>TRANSLATIONAL PANEL</b> Moderator: Kathryn L Howe, MD, PhD, FRCSC Chair, SVS Basic and Translational Research Committee
<b>2:20 PM</b>	<b>Nutrient Sensing of Apoptotic Cells by Macrophages Drives Inflammation Resolution and Attenuates Atherosclerosis</b>  <b>Arif Yurdagul Jr., PhD</b> Associate Professor LSU Health Shreveport
<b>2:52 PM</b>	<b>Training Under Pressure: How Hypertension Rewires Innate Immunity to Drive Residual Cardiovascular Risk</b>  <b>Amanda C Doran, MD, PhD</b> Assistant Professor of Medicine, Division of Cardiovascular Medicine Vanderbilt University Medical Center
<b>3:22 PM</b>	<b>BREAK – No CME</b>
<b>3:38 PM</b>	<b>ABSTRACT SESSION IV - EMERGING MECHANISMS AND THERAPIES IN VASCULAR DISEASE</b> Moderator: Jean Marie Ruddy, MD Moderator: Lars Maegdefessel, MD, PhD
<b>3:40 PM</b> Full	<b>The Metaorganismal Trimethylamine-Flavin Containing Monooxygenase 3-Trimethylamine N-Oxide Axis Regulates Endothelial Denudation After Arterial Injury And Promotes Vascular Smooth Muscle Cell Phenotype Switching</b> <b>VS, JAYALEKSHMI (Presenting), Northwestern University;</b> Xiong, Liqun; Novak, Madelyn; Hazen, Stanley L.; Brown, Mark; Ho, Karen
<b>3:50 PM</b> Quick shot	<b>Estrogen-mediated stimulation of G protein-coupled Estrogen Receptor (GPER) preserves skeletal muscle mass in response to hypoxia via inhibition of 15-hydroxy prostaglandin dehydrogenase (15-PGDH)</b> <b>Iturralde-Carrilo, Andrea R. (Presenting), University of New Mexico;</b> Risotto-Urbanowicz, Erin; Justus, Matthew; Massie, Pierce; Coffman, Brittany; Pace, Carolyn; Prossnitz, Eric; Clark, Ross; Rumma, Rowza T.
<b>3:58 PM</b> Quick shot	<b>Beyond Deficiency: Genotype-Specific Extracellular Matrix Disruption in Vascular Ehlers–Danlos Syndrome</b> <b>Bhandari, Apoorva (Presenting), Oregon Health &amp; Science University;</b> Mizuno, Nobuyo; Tufa, Sara; Keene, Douglas; Mizuno, Kazunori; Sakai, Lynn; Shalhoub, Sherene
<b>4:06 PM</b> Quick shot	<b>Inhibition of MBD2 Improves Wound Healing and Myofibroblast Activation in Diabetic Wounds</b> <b>Buckley, Samuel (Presenting), University of Michigan;</b> Hughes, Lindsey D.; Bauer, Tyler; Joshi, Amrita; Shadiow, James; White Jr., Matthew; Saldana de Jimenez, Gabriela; Rocco, Sabrina; Reyes-Arbutas, Jorge; Stark, Amy; Davis, Frank M.; Obi, Andrea T.; Gallagher, Katherine A.

- 4:14 PM**  
**Full**      **Metabolic Dysfunction Drives Epigenetic Remodeling in Chronic Limb-Threatening Ischemia**  
**Pass, Caroline (Presenting), University of Florida;** Kawaida, Mia Y.; Fazzino, Brian; Kim, Kyoungrae; Yang, Qingping; He, Yong; Cai, Guoshuai; O'Malley, Kerri; Scali, Salvatore T.; Berceci, Scott A.; Ryan, Terence E.
- 4:24 PM**  
**Quick shot**      **Novel Retrievable Drug Infusion Stentgraft Highlights the Benefits of Liquid Drug Delivery for the Treatment of Vascular Restenosis**  
**Gage, Daniel (Presenting), The Ohio State University;** Stafford, Jordan; Kenawy, Dahlia; Amari, Foued; Tillman, Bryan
- 4:32 PM**  
**Quick shot**      **Integrative Transcriptomics and Human Tibial Artery Validation Identify ADAM12, RUNX1, and PDK4 as Novel Pro-Calcific Targets in Peripheral Arterial Disease**  
**Adler, Snow (Presenting), Naval Medical Center San Diego;** Ruiz del Rio, Jorge; Eliceiri, Brian; Gaffey, Ann C.
- 4:40 PM**  
**Quick shot**      **Endovascular Elastolytic Cocktail Delivery to Create Preclinical Porcine Aortic Aneurysm Model**  
Jadidi, Majid; **Batista de Oliveira, Barbara (Presenting), University of Nebraska Omaha;** Heinis, Frazer; Kargarbahrkazar, Bahman; Foster, Emma; Farmani, Sanaz; Kinsella, Nicholas; Bade, Aditya; Mactaggart, Jason

**5:00 PM**      **POSTER COMPETITION AND RECEPTION – NO CME**      **EVERGREEN BALLROOM GHI (LOBBY LEVEL)**

**Announcements / Instructions**

Moderator: Karen Ho, MD

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:05 PM</b>	1	Aortic Disease	Dina Levy-Lambert
	<b>Spatial Transcriptomics Reveals CXCL12+ Fibroblasts as Central Immune Organizers through CXCR4 Signaling in Abdominal Aortic Aneurysm</b>		
	<b>Levy-Lambert, Dina (Presenting), UCSF;</b> Ramirez, Joel; Shaikh, Saba; De Jeronimo Diaz, Cesar; Huang, April; Combes, Alexis; Fragiadakis, Gabriela; Fidler, Trevor P.; Oskowitz, Adam		

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:10 PM</b>	2	Aortic Disease	Matthew Patrick Anderson

**Plasma Proteolytic Profile of Reversible Hypertensive Aortic Remodeling**

**Anderson, Matthew P. (Presenting), Medical University of South Carolina;** Zhang, Leilei; Cliff, Cassandra L.; xiong, Ying; Mukherjee, Rupak; Jones, Jeffrey A.; Ruddy, Jean Marie

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:15 PM	3	Aortic Disease	Heather Holman
	<p><b>Aortopathy in the Setting of Psychological Stress</b>  <b>Holman, Heather (Presenting), Medical University of South Carolina;</b> Xiong, Ying; Ruddy, Jean Marie; Zeigler, Sanford; Van Beusecum, Justin P.; Jones, Jeffrey A.</p>		
5:20 PM	4	Aortic Disease	Jack Bontekoe
	<p><b>Increased AAA Rupture Risk among Females is not impacted by Pharmacologic RIPK3 inhibition with Dabrafenib</b>  <b>Bontekoe, Jack (Presenting), University of Wisconsin-Madison;</b> Yang, Qianfan; Zhou, Ting; Li, Patrick; Kim, Jooyong; Liu, Bo</p>		
5:25 PM	5	Aortic Disease	Pierce Massie
	<p><b>Micronanoplastic Content Compared Between Aneurysmal and Occlusive Abdominal Aortic Pathologies</b>  <b>Massie, Pierce (Presenting), University of New Mexico;</b> Garcia, Marcus; Patil, Sakshi; El Hayek, Elaine; Barela, Laurissa; Liu, Rui; Gallego, Daniel; Schlosser, Christopher; Decker, Aerlin; MazloumiBakhshayesh, Milad; Risotto-Urbanowicz, Erin; Justus, Matthew; Le, Que; Abrums, Avalon; Iturralde-Carillo, Andrea; Pace, Carolyn; Rumma, Rowza; Campen, Matthew J.; Clark, Ross</p>		
5:05 PM	6	Cardiovascular Remodeling, Thrombosis, and Response to Injury	Amy Kathryn Stark
	<p><b>TGF-<math>\beta</math> Promotes Endothelial Angiogenesis via PAK1-Mediated Epigenetic Regulation</b>  <b>Stark, Amy K. (Presenting), University of Michigan;</b> Shadiow, James; Hughes, Lindsey D.; Buckley, Samuel; Reyes-Arbutas, Jorge; Joshi, Amrita; Rocco, Sabrina; Saldana de Jimenez, Gabriela; Davis, Frank; Obi, Andrea T.; Gallagher, Katherine A.</p>		
5:10 PM	7	Cardiovascular Remodeling, Thrombosis, and Response to Injury	Chelsey Wood
	<p><b>Gut-Derived Microbial Uremic Toxins Induce Vascular Remodeling: A Potential Driver of Arteriovenous Fistula Failure</b>  <b>Wood, Chelsey (Presenting), University of Chicago;</b> Wahab, Marc; Samant, Sadhana A.; Visvabharathy, Lavanya; Gaines, Sara</p>		

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:15 PM</b>	8	Cardiovascular Remodeling, Thrombosis, and Response to Injury	Alex Pettey

**Cardiac Hemorrhage Precedes Fibrotic Remodeling in Hypertensive Plasminogen Activator Inhibitor 1-deficient Mice**

**Pettey, Alex (Presenting), University of Kentucky;** Ito, Sohei; Franklin, Michael; Howatt, Deborah A.; Moorleghen, Jessica; Levitan, Bryana; Graf, David; Guzman, Valerie; Zhang, Nancy; Sawada, Hisashi; Saffitz, Jeffrey E.; Lu, Hong S.; Daugherty, Alan

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:20 PM</b>	9	Cardiovascular Remodeling, Thrombosis, and Response to Injury	Wei Zhang

**Physiologically Shear-conditioned Endothelialization Improves patency in Vascular Reconstruction**

**Zhang, Wei (Presenting), Yale Cardiovascular Research Center;** Floodia, Saba1; Qyang, Yibing

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:25 PM</b>	10	Cardiovascular Remodeling, Thrombosis, and Response to Injury	Oscar Yesid Moreno

**Single Cell Transcriptomics Characteristics of Human In-Stent Thrombosis**

**O.Y. Moreno (Presenting) University of Michigan,** Moreno, Oscar Y.; Zhao, Yanqing; Williams, David M.; Sherk, William; Mohamed, Safa; Kumar, Kiran; Malempati, Meghana; Gordon, David; Wu, Weisheng; Wakefield, Thomas; Henke, Peter; Khaja, Minhajuddin; Obi, Andrea T.

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:05 PM</b>	11	Genomics and Epigenetics	Shuai Yuan

**Epigenomic Signatures of Peripheral Artery Disease: Mechanisms and Risk Prediction**

**Yuan, Shuai (Presenting), University of Pennsylvania;** Shakt, Gabrielle; Levin, Michael; DiNatale, Tia; Lynch, Julie; Chang, Kyong-Mi; Tsao, Philip S.; Damrauer, Scott M.

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:10 PM</b>	12	Genomics and Epigenetics	Sean Jordan

**Xenium Spatial Profiling Reveals Endothelial Disruption and Smooth Muscle Predominance After Saphenous Vein Distension During Conduit Harvest**

**Jordan, Sean (Presenting), Emory University;** Park, Jemin; Ciaramella, Michael; Nie, Karen; Michaud, Marina; Bakhtiari, Mojtaba; Liang, Patric; Bhasin, Manoj

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:15 PM</b>	13	Genomics and Epigenetics	John Cabot

**Large-Scale Multi-Ancestry GWAS Meta-Analysis Reveals 125 Novel Loci for Varicose Veins**  
**Cabot, John (Presenting), Stanford;** Pregnall, Andrew; Judy, Renae; Mimouni, Nour; Vy, Ha My; Do, Ron; Levin, Michael; Chang, Kyong-Mi; Dochtermann, Daniel; Pyarajan, Saiju; Tsao, Philip S.; Adkar, Shaunak; Damrauer, Scott M.

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:20 PM</b>	14	Genomics and Epigenetics	Ukti Bhatt

**Genetic and Functional Mapping of Monocyte - T Cell Complexes as Drivers of Thrombotic Risk in Chronic Kidney Disease**  
**Bhatt, Ukti1 (Presenting), LSU Health Shreveport;** Kaur, Harpreet; Pandey, Nilesh<sup>2</sup>; Kidder, Evan; Shaaban, Nirvana; Challapalli, Mounika; Duplechan, Dillon; Melancon, Dalton; Vosburg, Justin; Martinez, Alexa; Chandaluri, Lakshmi; Sachdeva, Bharat; Rom, Oren; Yurdagul, Arif; Orr, Wayne; Dhanesha, Nirav

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:25 PM</b>	15	Genomics and Epigenetics	Larisse Virgolina da Silva Pontes

**Histone Deacetylase Sirtuin-1 Modulates Diabetic Macrophage-induced Endothelial to Mesenchymal Cell Transition**  
**Virgolino da Silva Pontes, Larisse (Presenting), University of Utah;** Kaur, Ramandeep; Adu, Chris

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:05 PM</b>	16	Molecular and Cellular Atherosclerosis	Johana Coronel

**KLF3 Maintains Reparative Fibroblast Programs During LDL-Lowering Induced Atherosclerosis Remodeling**  
**Coronel, Johana (Presenting), Columbia University;** Bashore, Alexander; Xue, Chenyi; Zhu, Lucie; Reilly, Muredach P.

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:10 PM</b>	17	Molecular and Cellular Atherosclerosis	Avalon Abrums

**Vascular Smooth Muscle Cell Phenotyping After Commercial and Natural-Derived Nanoplastics Exposure**  
**Abrums, Avalon (Presenting), University of New Mexico;** Le, Que; Marek, Jenna; Risotto-Urbanowicz, Erin; Massie, Pierce; Pace, Carolyn; Iturralde-Carillo, Andrea; Garcia, Marcus; Campen, Matthew J.; Justus, Matthew ; Rumma, Rowza; Clark, Ross

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:15 PM</b>	18	Molecular and Cellular Atherosclerosis	Sohei Ito
<p><b>Retinoic Acid-mediated Differentiation of Adventitial Progenitor Cells and De Novo Elastic Fiber Synthesis Following Aortic Dissection</b>  <b>Ito, Sohei (Presenting), University of Kentucky;</b> Lu, Hong S.; Daugherty, Alan; Sawada, Hisashi</p>			
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:20 PM</b>	19	Molecular and Cellular Atherosclerosis	Cyrine Ben Dhaou
<p><b>Novel Role of Endothelial Nck1 in Atherosclerosis and Metabolic-Associated Steatotic Liver Disease</b>  <b>Ben Dhaou, Cyrine (Presenting), LSU Health Sciences Center;</b> Pearson-Gallion, Brenna; Cockerham, Elizabeth; Anand, Sumit K.; Das, Sandeep; Rom, Oren; Orr, Wayne</p>			
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:25 PM</b>	20	Molecular and Cellular Atherosclerosis	Tiffany R. Bellomo
<p><b>Proteomic Analysis Identifies Lipoprotein(a)-Associated Proteins Linked To Incident Atherosclerotic Cardiovascular Disease Events</b>  <b>Bellomo, Tiffany R. (Presenting), Massachusetts General Hospital;</b> Saadatagah, Seyedmohammad; Lee, Jiwoo; Bramel, Emily; Abushamat, Layla; Misra, Anika; Nakao, Tetsushi; Koyama, Satoshi; Patel, Aniruddh; Urbut, Sarah M.; Ballantyne, Christie; Natarajan, Pradeep</p>			
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:05 PM</b>	21	Novel Tools and Therapeutics	Michael Clark
<p><b>A Sparse Proteomic Risk Score Incorporating Plasma MMP12 Level Improves Prediction of Abdominal Aortic Aneurysm</b>  <b>Clark, Michael (Presenting), University of Pennsylvania;</b> Yuan, Shuai; Larsson, Susanna; Levin, Michael; Woerner, Jakob; Kim, Dokyoon; Damrauer, Scott M.</p>			
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:10 PM</b>	22	Novel Tools and Therapeutics	Ellen Otto
<p><b>Localized Delivery of Mesenchymal Stem Cell Extracellular Vesicles Attenuates Growth of an Established Abdominal Aortic Aneurysm</b>  <b>Otto, Ellen (Presenting), Carnegie Mellon University;</b> Li, Bo; Weinbaum, Justin S.; Kerr, Kat; McLoughlin, Kiran; Pellegrino, Amanda; Ren, Xi; Campbell, Phil; Vorp, David A.; Curci, John A.</p>			

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:15 PM</b>	23	Novel Tools and Therapeutics	Baohui Xu
	<p><b>Glutaminase 1 blockage suppresses experimental abdominal aortic aneurysms (AAA)</b>  <b>Xu, Baohui (Presenting), Stanford University School Medicine;</b> Ye, Jiayu; Samura, Makoto; Ai, Wenjia; Zhao, Ning; Ju, Junjie; Becker, Laren; Tsao, Philip S.; Dalman, Ronald L.</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:20 PM</b>	24	Novel Tools and Therapeutics	Daniyal Mahmood
	<p><b>Optimizing Computational Fluid Dynamics Simulation Inputs for Predicting Aneurysmal Degeneration After Uncomplicated Acute Type B Aortic Dissection</b>  <b>Mahmood, Daniyal (Presenting), University of Toronto;</b> Huang, Yu Xuan; Tajeddinisarvestani, Farshad; Lindsay, Thomas; Amon, Cristina; Crawford, Sean</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:25 PM</b>	25	Novel Tools and Therapeutics	Chi Chi Do-Nguyen
	<p><b>Resolvin D2 Administration After Murine Thoracic Aortic Aneurysm Formation Attenuates Further Development</b>  <b>Do-Nguyen, Chi Chi1 (Presenting), Medical University of South Carolina;</b> Xiong, Ying; Jones, Jeffrey A.; Ruddy, Jean Marie; Pope, Nicolas</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:05 PM</b>	26	PAD and Ischemic Biology	Drew J. Braet
	<p><b>Associations Between Hemodynamics and Plaque Composition in Internal Carotid Artery Stenosis</b>  <b>Braet, Drew J. (Presenting), University of Michigan;</b> Delbono, Luciano; Bhagat, Aryan; Dandu, Vivek; Karam, Aarav; Henke, Peter; Figueroa, C A.</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:10 PM</b>	27	PAD and Ischemic Biology	Erin Risotto-Urbanowicz
	<p><b>The G Protein-Coupled Estrogen Receptor (GPER) Augments HIF1<math>\alpha</math> Stabilization in Skeletal Myocytic Response to Hypoxia</b>  <b>Risotto-Urbanowicz, Erin (Presenting), University of New Mexico;</b> Iturralde-Carillo, Andrea; Kulkarni, Deepali; Massie, Pierce; Justus, Matthew; Coffman, Brittany; Pace, Carolyn; Prossnitz, Eric; Clark, Ross; Rumma, Rowza</p>		

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:15 PM</b>	28	PAD and Ischemic Biology	Iris H. Liu
	<p><b>Vascular calcification is associated with renal dysfunction and reduced levels of serum Klotho in patients with chronic limb-threatening ischemia</b>  <b>Liu, Iris H. (Presenting), UCSF;</b> Hamana, Tomoyo; Madra, Anna; Wang, Dan; Baldazzi, Giulia; Dubal, Dena; Virmani, Renu; Conte, Michael S.</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:20 PM</b>	29	PAD and Ischemic Biology	Christo Pulickal
	<p><b>A Conserved HMOX1-Associated Macrophage Axis Dominates Inflammatory Variation Across Human Peripheral Arteries</b>  Patel, Suraj; Pulickal, <b>Christo (Presenting), Stony Brook Medicine;</b> Zhang, David T.; Yarmohammadi, Hiran; Madhavan, Mahesh</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
<b>5:25 PM</b>	30	PAD and Ischemic Biology	Santosh Reddy Sukka
	<p><b>Proteasomal Regulation of an Amino Acid Transporter in Macrophages Enables an Efferocytosis-Induced Resolution Pathway Relevant to Atherosclerotic Plaque Stabilization</b>  <b>Sukka, Santosh Reddy R. (Presenting), Columbia University;</b> Wang, Xiaobo; Tabas, Ira</p>		
<b>5:35 PM</b>	Winners Announced		
<b>7:00 PM</b>	Reception ends. <b><u>Presenters, please remove posters by 7PM, or they will be discarded.</u></b> If you have a poster that will be at the AHA's Vascular Discovery, you are responsible to move it.		