



2024 Vascular Research Initiatives Conference (VRIC)

Immune and Structural Cells in Cardiovascular Disease

***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 15, 2024

ROOM

6:00 AM	POWERPOINT PRESENTATION DROP-OFF – No CME	STEVENS MEETING CTR – SALON A3
7:00 AM	REGISTRATION AND CONTINENTAL BREAKFAST / POSTER PICK-UP – No CME	STEVENS MEETING CTR – SALON A3
8:00 AM	INTRODUCTORY REMARKS – No CME	STEVENS MEETING CTR – SALON A3
	Katherine A. Gallagher, MD, Chair, SVS Basic and Translational Research Committee	
8:08 AM	ABSTRACT SESSION I - VENOUS THROMBOSIS, INTIMAL HYPERPLASIA AND NOVEL THERAPEUTICS	
	Moderator: Karen J. Ho, MD Moderator: Andrea Obi, MD	
8:10 AM Full	Soluble Guanylate Cyclase Activators As Potential Novel Pad Therapeutics Shaunak Adkar* (Presenting) , Sabina Sorondo, Mozghan Lotfi, Stanford Univ, Stanford, CA; Sharika Bamezai, Univ of Michigan, Chester Springs, MI; Ryan Choi, Stanford Univ, Stanford, CA; Ole Dyg Pedersen, Bispebjerg Hosp/Klinik Y, Copenhagen, Denmark; Sisse Ostrowski, Stanford Univ, Stanford, CA; Jonas Ghose, Rigshospitalet, Copenhagen S, Denmark; Henning Bundgaard, National University Hospital, Copenhagen, Denmark; Michael Levin, Scott M Damrauer, University of Pennsylvania, Philadelphia, PA; Nicholas J. Leeper, Stanford Univ, Stanford, CA; Derek Klarin, Stanford Univ, Mountain View, CA	
8:20 AM Quick shot	Statin Targeted Treatment Against Intimal Hyperplasia Using Unique Chitosan-PLGA Nanoparticles Ashley Penton (Presenting) , Loyola Univ of Chicago, Chicago, IL; Gloria Grace Poland, Maleen Cabe, Kelly Langert, Kristopher Maier, Vivian Gahtan, Loyola Univ of Chicago, Maywood, IL.	
8:28 AM Quick shot	Vascular Loss Of Type VIII Collagen Improves Venous Remodeling After Arteriovenous Fistula Creation In Mice Xochilt Labissiere (Presenting) , Univ of Miami, Miami, FL; Miguel Gabriel Rojas, Univ of Miami, Coral Gables, FL; Laisel Martinez, Roberto Vazquez-Padron, Univ of Miami, Miami, FL	
8:36 AM Quick shot	Akkermansia (Strain BAA835) And The Microbial ADP-heptose Pathway Are Associated With Reduced Neointimal Hyperplasia After Arterial Injury Karen J. Ho (Presenting) , Sarbjeet Niraula, Northwestern Univ, Chicago, IL; Vivek Pamulapati, Univ of Nevada at Las Vegas, Las Vegas, NV; Jonathan Jung, Univ of Pennsylvania, Philadelphia, PA; Jae Woong Jang, Northwestern Univ, Chicago, IL; Catherine Plunkett, Bio-Techne, Minneapolis, MN; Liqun Xiong, James Du, Northwestern Univ, Chicago, IL; Raphael Valdivia, Duke Univ, Durham, NC; Stefan Green, Rush Univ Medical Ctr, Chicago, IL; Patrick Seed, Lurie Children's Hosp, Chicago, IL	

8:44 AM Full **Smooth Muscle Cell Tgf- β Receptor Knockout Improves Arteriovenous Fistula Maturation Via Attenuation Of Autophagy**
Weichang Zhang (Presenting), Hualong Bai, Luis Gonzalez, Zhuo Li, Yuichi Ohashi, Carly Thaxton, Yukihiko Aoyagi, Bogdan Yatsula, Masaki Kano, Yangzhouyun Xie, Yujun Cai, Shu Chang, Changsha, CT; Alan Dardik, Yale Univ, New Haven, CT

8:54 AM Quick shot **Nano-based Perivascular Intervention Sustains A Nine-month Long-term Suppression Of Intimal Hyperplasia In Vein Grafts**
Yitao Huang (Presenting), Takuro Shirasu, Go Urabe, Dept of Surgery, Sch of Med, The Univ of Virginia, Charlottesville, VA; Nisakorn Yodsanit, Dept of Materials Science and Engineering, Univ of Wisconsin-Madison, Madison, WI; Matthew Stratton, Matthew Joseph, Coll of Med, The Ohio State Univ, Columbus, OH; Ruosen Xie, Dept of Materials Science and Engineering, Univ of Wisconsin-Madison, MADISON, WI; Yuyuan Wang, Dept of Materials Science and Engineering, Univ of Wisconsin-Madison, Madison, WI; Lynn M Marcho, Coll of Med, The Ohio State Univ, Columbus, OH; Jing Li, Runze Tang, Ki Ho Park, Dept of Surgery, Sch of Med, The Univ of Virginia, Charlottesville, VA; Bowen Wang, Dept of Surgery, Feinberg Sch of Med, Northwestern Univ, Chicago, IL; K. Craig Kent, Sch of Med, The Univ of Virginia, Charlottesville, VA; Shaoqin Gong, Univ of Wisconsin-Madison, Madison, WI; Lian-Wang Guo, Dept of Surgery, Sch of Med, The Univ of Virginia, Charlottesville, VA

9:02 AM Quick shot **Loss Of Tlr4 Signaling Inhibits Thrombus Resolution In A Non-monocyte Dependent Manner**
Kiran Kumar (Presenting), Oscar Yesid Moreno, Nathaniel Parchment, Sriganesh Sharma, Sabrina Rocco, Univ of Michigan, Ann Arbor, MI; Catherine Luke, Hartland High Sch, Howell, MI; Sylviane Lambert, Michael A Holinstat, Frank Davis, Katherine A Gallagher, Bethany Moore, Peter Henke, Andrea T Obi, Univ of Michigan, Ann Arbor, MI

9:10 AM Quick shot **Unveiling Sex-based Differences In Plaque Histology In Patients With End-stage Peripheral Arterial Disease**
Madeline Drake (Presenting), Houston Methodist Hosp, Houston, TX; Fouzul Kansul, Texas A&M Medical Sch, Houston, TX; Judit Csore, Houston Methodist Hosp, Houston, TX; Deborah Vela, Texas Heart Institute, Houston, TX; Trisha Roy, Houston Methodist Cardiovascular, Houston, TX

9:16 AM BREAK – No CME

9:32 AM ABSTRACT SESSION II – STEM CELLS, VASCULAR REGENERATION AND PAD

Moderator: Bhama Ramkhelawon, PhD
 Moderator: Kevin W Southerland, MD

9:34 AM Full **Deciphering Prosthetic Bypass Graft To Artery Anastomosis Dynamics At The Molecular Level: A Single-nuclei And Spatial Transcriptomics Analysis**
Lucas Mota* (Presenting), Beth Israel Deaconess Medical Ctr, Boston, MA; Marina Michaud, Emory Univ, Atlanta, GA; Mojtaba Bakhtiari, Emory, Atlanta, GA; John Tomeo, Mauricio Contreras, Leena Pradhan, Beth Israel Deaconess Medical Ctr, Boston, MA; Frank W Logerfo, Harvard Medical School, Boston, MA; Patric Liang, Beth Israel Deaconess Medical Ctr, Boston, MA

- 9:44 AM Quick shot** **Length And Proximal Extent Of Occlusion Dictates Severity Of Disease In A Mini-swine Model Of PAD**
Ali Hani Hakim (Presenting), Yuqian Tian, Al-Murtadha Al-Gahmi, Sara Cartwright, Jamal K Salaymeh, Julian K Kim, Zhen Zhu, George Casale, Iraklis I Pipinos, Mark A Carlson, Univ of Nebraska Medical Ctr, Omaha, NE
- 9:52 AM Quick shot** **Expression Of The Aim2 Inflammasome In Skeletal Is Modulated By Surgical Bypass And Is A Target To Reduce Ischemic Myopathy In Pad**
Bowen Xie, Edwyn Assaf, UPMC, Pittsburgh, PA; Ricardo Ferrari, Univ of Pittsburgh, Pittsburgh, PA; George Casale, Iraklis I Pipinos, Univ of Nebraska Medical Cent, Omaha, NE; **Ulka Sachdev (Presenting)**, UPMC, Pittsburgh, PA
- 10:00 AM Quick shot** **Therapeutic Delivery Of MICRORNA-369-3p Promotes Atherosclerosis Regression In Diabetic Mice By Regulating Bone Marrow Myeloid Progenitors**
Shruti Rawal (Presenting), Akm Khyrul Wara, Madhur Sachan, Brigham and Women's Hosp, Boston, MA; Camila de Oliveira Vaz, Univ of Campinas, Campinas, Brazil; Vinay Randhawa, Mark W Feinberg, Brigham And Women's Hospital, Boston, MA
- 10:08 AM Full** **The Tgfb-Whsc1 Axis Drives Macrophage To Myofibroblast Transition During Wound Repair**
Kevin Dale Mangum (Presenting), Tyler Bauer, Amrita Joshi, William Melvin, Emily Barrett, Sonya Wolf, Jadie Moon, James Shadiow, Andrea T Obi, Johann Gudjonsson, Frank Davis, Katherine A Gallagher, Univ of Michigan, Ann Arbor, MI
- 10:18 AM Quick shot** **Harnessing Limb Revascularization With Synthetic Probiotics**
John Vlahos, Molly Ratner, NYU Langone, New York, NY; Tetsuhiro Harimoto, Columbia Univ, New York, NY; Ariadne Zias, NYU Medical Center, New York, NY; Cristobal Rivera, NYU Grossman Sch of Med, New York, NY; Yogi Pratama, Tal Danido, **Bhama Ramkhelawon (Presenting)**, NYU Medical Center, New York, NY
- 10:26 AM Quick shot** **Nr3c1-Sfrp1 Axis Regulates The Adipogenic Differentiation Of Vcam1+ Fibro-adipogenic Progenitors In Chronic Limb Threatening Ischemia**
Qunsheng Dai, Changxin Wan, Yueyuan Xu, Brianna Garrett, Leo Akers, Derek Peters, James Otto, Christopher D Kontos, Jason Ji, Yarui Diao, **Kevin W Southerland (Presenting)**, Duke Univ, Durham, NC
- 10:34 AM Quick shot** **Creation Of Lymphatic Endothelial Cells From Induced Pluripotent Stem Cells For Use In Regenerative Therapy For Lymphedema**
Katherine Owsiany (Presenting), Emory Univ, Atlanta, GA; Sean Carr, Emory Univ, Decatur, GA; Michael Tu, Emory Univ, Atlanta, GA; Katherine Hekman, Atlanta VA, Decatur, GA
- 10:40 AM** **BREAK – No CME**
- 11:01 AM** **ALEXANDER W. CLOWES DISTINGUISHED LECTURE**
- Moderator: Katherine A. Gallagher, MD, Chair, SVS Basic and Translational Research Committee
Moderator: Kathryn L Howe, MD, PhD, Vice-Chair, SVS Basic and Translational Research Committee
- 11:03 AM** **Impact of Lifestyle Factors on Brain-Body Communication in Cardiovascular Disease**
Filip Swirski, PhD
Director, Cardiovascular Research Institute
Arthur & Janet C. Ross Professor of Medicine (Cardiology) & Professor of Radiology
Icahn School of Medicine at Mount Sinai, New York

11:35 AM LUNCH & POSTER PREVIEW NO CME STEVENS MEETING CTR – SALON A2

12:35 PM SVS FOUNDATION UPDATE AND AWARDS CEREMONY NO CME STEVENS MEETING CTR – SALON A3

Moderator: Raul J Guzman, MD

VRIC Trainee Awardees

Shaunak Adkar

Lucas Mota

Jack Bontekoe

Nathaniel Parchment

12:45 PM SVS FOUNDATION MENTORED CLINICAL SCIENTIST RESEARCH CAREER DEVELOPMENT AWARD

Moderator: Katherine A. Gallagher, MD, Chair, SVS Basic and Translational Research Committee

12:47 PM TLR4 and MLL1 in Immunothrombosis and Thrombus Resolution

Andrea Obi, MD

Assistant Professor, Vascular Surgery
University of Michigan

12:57 PM TRANSLATIONAL PANEL

Moderator: Katherine A. Gallagher, MD, Chair, SVS Basic and Translational Research Committee

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

12:59 PM Cardiovascular Disease: Impact Beyond the Heart

Kathryn J. Moore, PhD

Jean and David Blechman Professor of Cardiology/Professor of Medicine
Director of the Cardiovascular Research Center
New York University Grossman School of Medicine

1:31 PM Genetic and Molecular Triggers for Acute Aortic Dissections

Dianna M. Milewicz, MD, PhD

President George H.W. Bush Chair of Cardiovascular Medicine
Director of the Division of Medical Genetics and the John Ritter Research Program
McGovern Medical School, University of Texas Health Science Center at Houston
Director of the joint MD-PhD Program
MD Anderson Cancer Center and University of Texas Health Science Center at Houston

2:03 PM BREAK – No CME

2:19 PM ABSTRACT SESSION III - ATHEROSCLEROSIS AND IMMUNE CELLS IN CVD

Moderator: Ann Marie Schmidt, MD
 Moderator: Kathryn L Howe, MD, PhD

- 2:21 PM Full** **Endothelial CEPT1 Impacts Aortic Atherosclerosis And Hepatic Lipoprotein Metabolism**
Shahab Hafezi (Presenting), Tariq J Khan, Larisa Belaygorod, Batool Arif, Clay F Semenkovich, Mohamed A Zayed, Washington Univ in St. Louis, Saint Louis, MO
- 2:31 PM Quick shot** **Lesion Site-specific Mass Spectrometry Analysis Of Human Carotid Plaques Reveals Strongest Association Of The Necrotic Core And Fibrous Cap Proteome With Plaque Stability**
Nadja Sachs (Presenting), Klinikum rechts der Isar der TUM, Munich, Germany; Ankit Sinha, Elena Kratz, Max-Planck-Institutue of Biochemistry, Martinsried, Germany; Jessica Pauli, Molecular Vascular Med, TUM, Munich, Germany; Marie-Luise Engl, Klinikum rechts der Isar der TUM, Munich, Germany; Hanna Winter, Molecular Vascular Med, TUM, Munich, Germany; Matthias Mann, Max Planck Inst of Biochemistry, Martinsried, Germany; Lars Maegdefessel, Molecular Vascular Med, TUM, Munich, Germany
- 2:39 PM Quick shot** **Tnfa-setdb2 Pathway Regulates Fibroblast To Myofibroblast Transition In Wound Repair**
Tyler M Bauer (Presenting), Kevin Dale Mangum, Emily Barrett, James Shadiow, Amrita Joshi, Samuel Buckley, Frank Davis, Katherine A Gallagher, University Of Michigan, Ann Arbor, MI
- 2:47 PM Quick shot** **Genetic Variation Associated With Progression And Severity Of Peripheral Artery Disease**
Michael G Levin (Presenting), Univ of Pennsylvania, Philadelphia, PA; Shaunak Adkar, Stanford Univ, Stanford, CA; Jonas Ghouse, Copenhagen Univ Hosp, Copenhagen, Denmark; John Depaolo, Univ of Pennsylvania, Philadelphia, PA; Ole BV Pedersen, Rigshospitalet, Copenhagen, Denmark; Sisse Ostrowski, Rigshospitalet, Copenhagen, Denmark; Julie Lynch, VA Salt Lake City, Bedford, MA; Henning Bundgaard, National University Hospital, Copenhagen, Denmark; Scott M Damrauer, University of Pennsylvania, Philadelphia, PA; Derek Klarin, Stanford Univ, Stanford, CA
- 2:55 PM Quick shot** **Effect Of Chronic E-cigarette Nicotine Exposure On A Mouse Model Of Hind-limb Ischemia**
Maryam Amirahmadi (Presenting), Alicia Deng, Stanford Univ, Stanford, CA; Phillip S Tsao, Stanford Univ-VAPAHCS, Stanford, CA
- 3:03 PM Quick shot** **Loss Of The ETS Transcription Factor ERG Disrupts Fate-defining Programs In The Aortic Endothelium And Promotes Expansion Of Endothelial Lineage Cells In Atherosclerotic Plaque**
Steven R Botts (Presenting), Kristen Schulz, Corey A Scipione, Sneha Raju, Leandro C Breda, Kamalben Prajapati, Kai Yu, Aniq Khan, Chanele K Polenz, Sharon J Hyduk, Toronto General Hosp Res Inst, Toronto, ON, Canada; Joshua D Wythe, Univ of Virginia, Charlottesville, VA; Clint S Robbins, Myron I Cybulsky, Jason E Fish, Kathryn L Howe, Toronto General Hosp Res Inst, Toronto, ON, Canada
- 3:11 PM Quick shot** **Cofilin 1 Mediates Fatty Acid-induced Foam Cell Formation And Inflammation In Mouse Bone Marrow-derived Macrophages**
Jillian Poles (Presenting), Lakshmi Arivazhagan, Vikas Kumar, Ann Marie Schmidt, NYU Langone Health, New York, NY

- 3:19 PM Quick shot** **Cd40 Is Required For B1b Cell Homeostasis In Atherosclerosis**
Katrin Nitz (Presenting), Mayo Clinic, Rochester, MN; Myrthe Reiche, Univ of Amsterdam, Amsterdam, Netherlands; Oom Pattarabainard, Aditi Upadhye, Univ of Virginia, Charlottesville, VA; Claudia van Tiel, Univ of Amsterdam, Amsterdam, Netherlands; Angela M Taylor, Univ of Virginia, Charlottesville, VA; Stephen G Malin, Karolinska Instt, Stockholm, Sweden; Christoph J Binder, Medical Univ of Vienna, Vienna, Austria; Norbert Gerdes, Heinrich Heine Univ, Duesseldorf, Germany; Cornelia M. Weyand, Mayo Clinic, Rochester, MN; Christian Weber, Ludwig-Maximilian's Univ Munich, partner site Munich Heart Alliance, Munich, Germany; Dorothee Atzler, Inst of Cardiovascular Prevention (IPEK), Ludwig-Maximilian's Univ Munich, partner site Munich Heart Alliance, Munich, Germany; Coleen A McNamara, Univ of Virginia, Charlottesville, VA; Esther Lutgens, Mayo Clinic, Rochester, MN
- 3:25 PM BREAK – No CME**
- 3:41 PM ABSTRACT SESSION IV - AORTOPATHIES**
- Moderator: Alan Daugherty, PhD, DSc
 Moderator: Scott M. Damrauer, MD
- 3:43 PM Full** **Reduction Of Abdominal Aortic Aneurysm Rupture By Modulating Smooth Muscle Cell Phenotype Switching**
Jack Bontekoe* (Presenting), Ting Zhou, Huan Yang, Michelle Conte, Zulmari Silva-Pedraza, Courtney Morgan, David Aufhauser, Paul D Dimusto, Bo Liu, Univ of Wisconsin-Madison Sch of Med and Public Health, Madison, WI
- 3:53 PM Full** **Genome-first Approach To Rare And Common Variant Risk Of Thoracic Aortic Aneurysm And Dissection**
John DePaolo (Presenting), Gina M. Biagetti, Renae Judy, Sarah Abramowitz, Nimesh Desai, Wilson Y Szeto, Joseph E Bavaria, Michael Levin, Univ of Pennsylvania, Philadelphia, PA; Dongchuan Guo, UT-Houston McGovern Med Sch, Houston, TX; Dianna M Milewicz, Univ of Texas Health Science, Houston, TX; Scott M Damrauer, University of Pennsylvania, Philadelphia, PA
- 4:03 PM Quick shot** **Inhibition Of Endothelial Cell-Mediated Efferocytosis Promotes Abdominal Aortic Aneurysm Formation**
Jeff Arni C Valisno (Presenting), Gang Su, Paolo Bellotti, Jonathan Krebs, Guoshuai Cai, Guanyi Lu, Ashish K Sharma, Gilbert R Upchurch Jr., Univ of Florida, Gainesville, FL
- 4:11 PM Quick shot** **A Novel Porcine Model Of Thoracic Aortic Aneurysms Reveals Increased Endogenous Matrix Metalloproteinase Activity**
Jordan F Stafford (Presenting), Drayson Campbell, Dahlia Kenawy, Foued Amari, Bryan W Tillman, Ohio State Univ, Columbus, OH
- 4:19 PM Full** **Endothelial Mixed Lineage Leukemia 1 (kmt2a/MLL1) As A Central Mediator Of Immuno-thrombosis During SARS-CoV-2 Infection**
Nathaniel Parchment* (Presenting), Sriganesh Sharma, Kiran Kumar, Sabrina Rocco, Oscar Yesid Moreno, Univ of Michigan, Ann Arbor, MI; Catherine Luke, Hartland High Sch, Howell, MI; Katherine A Gallagher, University Michigan, Northville, MI; Peter Henke, Andrea T Obi, University Of Michigan, Ann Arbor, MI

4:29 PM Quick shot **Matrix Metalloproteinase Inhibition In Rat Abdominal Aortic Aneurysm**
Mohamed Zaghloul (Presenting), Santiago Elizondo-Benedetto, Batool Arif, Gyu Seong Heo, Hannah Luehmann, Yongjian Liu, Robert J Gropler, Washington Univ, Saint Louis, MO; Mehran M Sadeghi, Yale Univ, Easton, CT; Mohamed A Zayed, Washington University School M, Saint Louis, MO

4:37 PM Quick shot **Indoleamine 2,3-dioxygenase-mediated Tryptophan Catabolism Limits Experimental Abdominal Aortic Aneurysms**
Baohui Xu (Presenting), Gang Li, Hongping Deng, Yankui Li, Fanru Shen, Makoto Samura, Stanford Univ Sch of Med, Stanford, CA; Philip S Tsao, Stanford Univ-VAPAHCS, Palo Alto, CA; Ronald L Dalman, Stanford University Medical CE, Palo Alto, CA

4:45 PM Quick shot **Pathological PERK/ATF4 Activation In Vascular Smooth Muscle Cells Drives Abdominal Aortic Aneurysm Development**
Brennan Callow (Presenting), Kevin Dale Mangum, Tyler Bauer, Xianying Xing, Mary O'Riordan, Johann Gudjonsson, Andrea T Obi, Katherine A Gallagher, Frank M Davis, Univ of Michigan, Ann Arbor, MI

5:00 PM POSTER COMPETITION AND RECEPTION STEVENS MEETING CTR – SALON A2
NO CME

Announcements / Instructions

Moderator: Karen J. Ho, MD
 Moderator: Gale L. Tang, MD
 JVS-VS Editor: Alan Dardik, MD, PhD

<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
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5:05 PM	1	Aortic Disease and Treatment	Matthew Kazaleh
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Hepcidin Loss Demonstrates Sex Dependent Differences In Aortic Aneurysm Size
Matthew Kazaleh (Presenting), Rachel Gioscia-Ryan, Xiaohua Gao, Ashna Golla, Univ of Michigan, Ann Arbor, MI; Erik Scott, Univ of Virginia, Charlottesville, VA; Sundaraman Swaminathan, Mayo Clinic, Phoenix, AZ; Robert Hawkins, Gorav Ailawadi, Morgan Salmon, Univ of Michigan, Ann Arbor, MI

<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
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5:09 PM	2	Aortic Disease and Treatment	Drew Braet
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Three-dimensional Characterization Of Sex Differences In Abdominal Aortic Aneurysm Progression Via Vascular Deformation Mapping
Drew Braet (Presenting), Luciano Delbono, Greg Spahlinger, Univ of Michigan, Ann Arbor, MI; Nathan Graham, Univ of Chicago Med, Chicago, IL; Akul Arora, C Alberto Figueroa, Jonathan Eliason, Nicholas S Burris, Univ of Michigan, Ann Arbor, MI

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:13 PM	3	Aortic Disease and Treatment	Junsung Kim
	<p>Fluctuation in Total Curvature as a Shape Quantifier to Better Understand EVAR Outcomes Junsung Kim (Presenting), Mary Alyssa Varsanik, Univ of Chicago, CHICAGO, IL; Kameel Khabaz, UCLA, Los Angeles, CA; Joseph Pugar, Blessing Nnate, Nhung Nguyen, Cheong Jun Lee, Ross Milner, Luka Pocivavsek, Univ of Chicago, Chicago, IL</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:17 PM	4	Aortic Disease and Treatment	Keisuke Kamada
	<p>Knockout Of P27Kip1 Accelerates Topical Elastase/3-aminopropionitrile Fumarate Salt-induced Abdominal Aortic Aneurysm Rupture In Mice Keisuke Kamada (Presenting), Hong Niu, Kevin Kim, Hui Liu, Gale L Tang, Univ of Washington, Seattle, WA</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:05 PM	5	Vascular Injury, Remodeling, and Regeneration	Francesca Voza
	<p>Novel GLP-Grade E-Selectin/AAV2 Gene Therapy Optimal Dosage For Vascular Regeneration Francesca A Voza (Presenting), Yulexi Ortiz, Nga Le, Antoine Ribieras, Zhao-Jun Liu, Omaidia Caridad Velazquez, Univ of Miami Miller Sch of Med, Miami, FL</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:09 PM	6	Vascular Injury, Remodeling, and Regeneration	Luis Gonzalez
	<p>Tenascin-C In Arteriovenous Fistula Failure: Unraveling Venous Remodeling Dynamics Luis Gonzalez (Presenting), Weichang Zhang, Yuichi Ohashi, Yale Sch of Med, New Haven, CT; Roberto Vazquez-Padron, Univ of Miami, Miami, FL; Alan Dardik, Yale Sch of Med, New Haven, CT</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:13 PM	7	Vascular Injury, Remodeling, and Regeneration	Christian Barksdale
	<p>Biomechanical Forces Can Promote SGK-1-dependent Expression Of Pathologic Matrix Markers Christian Barksdale (Presenting), Jonah Silverman, Ethan Fannin, Ryan Gedney, Victoria Mattia, Mario Figueroa, Ying Xiong, Rupak Mukherjee, Jeffrey A Jones, Jean Marie Ruddy, Medical Univ of South Carolina, Charleston, SC</p>		

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:05 PM	8	PAD	Judit Csőre

Validating Artificial Intelligence-assisted Classification Of Peripheral Arterial Disease Lesion Composition From 9.4 Tesla Magnetic Resonance Imaging With Histology

Judit Csore (Presenting), Christof Karmonik, Bright Benfor, Houston Methodist, Houston, TX; Peter Osztrogonacz, Semmelweis Univ, Budapest, Hungary; Trisha Roy, Houston Methodist Cardiovascular, Houston, TX

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:09 PM	9	PAD	Ali Hakim

Adipose-derived Mesenchymal Stem-cell Therapy Improves Arteriogenesis, Hemodynamics, And Walking Performance In A Porcine Model Of Peripheral Artery Disease

Ali Hani Hakim (Presenting), Yuqian Tian, Al-Murtadha Al-Gahmi, Katya Brunette, Julian K Kim, Univ Nebraska Medical Center, Omaha, NE; Zhen Zhu, Song-young Park, George Casale, Mark A Carlson, Iraklis I Pipinos, Univ Nebraska Medical Ctr, Omaha, NE

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:13 PM	10	PAD	Shuai Yuan

Associations Of Genetic And Lifestyle Risk Factors With Incident Peripheral Artery Disease: A Prospective Cohort Study

Shuai Yuan (Presenting), Karolinska Instt, Solna, Sweden; Yuhao Sun, Zhejiang Univ, Hang Zhou, China; Jie Chen, Zhejiang Univ, Hangzhou, China; Pranav Sharma, Michael G. Levin, Univ of Pennsylvania, Philadelphia, PA; Susanna Larsson, Karolinska Instt, Stockholm, Sweden; Scott M Damrauer, University of Pennsylvania, Philadelphia, PA

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:17 PM	11	PAD	Sarbjeet Niraula

Gut Microbial Markers Associated With Clinical Features Of Peripheral Artery Disease

Sarbjeet Niraula (Presenting), Spencer L. Stirewalt, Northwestern Univ, Chicago, IL; Jonathan Jung, Penn Med, Philadelphia, PA; Megan E. Alagna, Jae Jang, Erik Wu, James Du, Liqun Xiong, Northwestern Univ, Chicago, IL; Stefan J. Green, Rush Univ Medical Ctr, Chicago, IL; Patrick C. Seed, Lurie Children's Hosp, Chicago, IL; Karen J. Ho, Northwestern Univ, Chicago, IL

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:05 PM	12	Atherosclerosis	Ulf Hedin

Symptomatic Low- And High-degree Carotid Stenoses Exhibit Similar Features Of Plaque Instability

Paul Shlemoun, Sofie Hellberg, Katarina Waden, Otto Bergman, Mariette Lengquist, Karolinska Institute, Stockholm, Sweden; Andrew J. Buckler, Elucid Bioimaging Inc., Boston, MA; Ljubica Matic, Melody Chemaly, David Marlevi, **Ulf Hedin (Presenting)**, Karolinska Institute, Stockholm, Sweden

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:09 PM	13	Atherosclerosis	Gloriani Sanchez
	<p>Piezo-1 Expression Decreases Under Disturbed Flow Model Of Femoral Atherosclerosis. Gloriani Sanchez (Presenting), Emory Univ/Georgia Inst of Technology, Atlanta, GA; Fujie Zhao, Emory University Hospital; Atlanta VA Medical Ctr, Atlanta, GA; Levi Wood, Georgia Inst of Technology, Atlanta, GA; Luke P Brewster, Emory University Hospital; Atlanta VA Medical Ctr, Atlanta, GA</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:13 PM	14	Atherosclerosis	Kristen Schulz
	<p>Chronic Knockout Of The ETS Transcription Factor ERG Promotes Loss Of Endothelial Cell Identity And Endothelial Cell Dysfunction In An Aortic Endothelial Cell Model Relevant For Atherosclerosis Kristen Schulz (Presenting), Steven R Botts, Univ Health Network, Toronto, ON, Canada; Kai Ellis, Sickkids, Toronto, ON, Canada; Nadiya Khyzha, Fred Hutch, Seattle, WA; Rathnakumar Kumaragurubaran, Cincinnati Children's Hosp Medi, Cincinnati, OH; Michael Wilson, SickKids, Toronto, ON, Canada; Kathryn L Howe, Jason E Fish, University Health Network, Toronto, ON, Canada</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:17 PM	15	Atherosclerosis	Ishita Kathuria
	<p>Myeloid Cell Lgr4 Contributes To Atherosclerotic Lesion Formation Ishita Kathuria (Presenting), Ravi Varma Aithabathula, Naveed Pervaiz, Britney Le, Ki-Suk Kim, The Univ of Tennessee Health Science Ctr, Memphis, TN; Jiqui Wang, Shanghai Jiao Tong Univ Sch of Med, Shanghai, China; Udai P Singh, Bhupesh Singla, The Univ of Tennessee Health Science Ctr, Memphis, TN</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:05 PM	16	Novel Disease Models and Vascular Grafts	Brandon Gaston
	<p>Development Of A Bio-hybrid Endovascular Stent-graft That Enables Immunosuppression Free Islet Cell Transplantation Brandon T Gaston (Presenting), Varun Singh, Anil Kharga, Kevin Deng, Kang Mi Lee, Marc Succi, Anahita Dua, Massachusetts General Hosp, Boston, MA; James F Markmann, The Hosp of the Univ of Pennsylvania, Philadelphia, PA</p>		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:09 PM	17	Novel Disease Models and Vascular Grafts	Chikage Noishiki
	<p>Modeling Varicose Vein Using Induced Pluripotent Stem Cells Chikage Noishiki (Presenting), Shaunak S Adkar, David Wu, Lu Liu, Naima C Turbes, Dipti Tripathi, Amit Manhas, Dilip Thomas, Karim Sallam, Jason T Lee, Nick J Leeper, Derek Klarin, Eri Fukaya, Nazish Sayed, Stanford Univ, Palo Alto, CA</p>		

	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:13 PM	18	Novel Disease Models and Vascular Grafts	Kelly Twohig
	Aortic Arch Endovascular Stent Grafts With Zone 0 Proximal Landing Zones For Geometrically Complex Aortas Kelly Twohig (Presenting) , Joseph Pugar, Ian McDougall, Endospan Ltd., Herzliya, Israel; Luka Pocivavsek, Univ of Chicago, Chicago, IL		
	<u>Poster ID</u>	<u>Poster Category</u>	<u>Presenter</u>
5:17 PM	19	Novel Disease Models and Vascular Grafts	Nitisha Mehrotra
	Supramolecularly Fabricated Non-thrombogenic Small Diameter Vascular Graft Nitisha Mehrotra (Presenting) , Rice Univ, Houston, TX; Aparna Adumbumkulath, Paul Kim, Baylor Coll of Med, Houston, TX; Suran Somawardana, Rice Univ, Houston, TX; Kirti Mhatre, Univ of Houston, Houston, TX; Aladdein Mattar, Abdelmotagaly Elgalad, Texas Heart Inst, Houston, TX; Nilson Salas, Ramyar Gilani, Crystal Shin, Ghanashyam Acharya, Baylor Coll of Med, Houston, TX; Pulickel M. Ajayan, Rice Univ, Houston, TX		
5:30 PM	Winners Announced		
6:00 pm	Reception ends. <u>Presenters, please remove posters by 6PM, or they will be discarded.</u> If you have a poster that will be at the AHA's Vascular Discovery, you are responsible to move it.		