



ATVB|PVD
2015

Arteriosclerosis, Thrombosis and Vascular Biology / Peripheral Vascular Disease 2015

Scientific Sessions

Preliminary Program Call For Abstracts

May 7–9, 2015 | Hilton San Francisco Union Square Hotel | San Francisco, CA

In collaboration with the Council on Functional Genomics and
Translational Biology and the Society for Vascular Surgery

my.americanheart.org

Program At A Glance

	Wednesday May 6	Thursday May 7		Friday May 8		Saturday May 9	
6:30						6:30–7:30 AM 5K Fun Run/Walk	
7:00		Registration/ Continental Breakfast/ Exhibits	Early Career Training Session	Registration/ Continental Breakfast/ Exhibits	Early Career Training Session	Registration	
7:30							
8:00		Vascular Research Initiatives Conference 2015 8:00 AM–6:00 PM	8:00–10:00 AM Conference Opening and Plenary Session I Functional Genomics Enhancer Biology and Epigenetics		8:00–9:30 AM Plenary Session III Highlights from the ATVB Journal		8:30–10:30 AM Poster Session III and Continental Breakfast
8:30							
9:00	9:30–10:00 AM Refreshment Break/Exhibits						
9:30							
9:45							
10:00		10:00–10:30 AM Refreshment Break/Exhibits		10:00 AM–11:45 PM Concurrent Session III	10:30–NOON Plenary Session V Invited Lecture Series Hoeg Award Lecture Keynote Lecture Distinguished Lecture		
10:30	10:30 AM–12:15 PM Concurrent Session I		Session A— Lipoprotein Metabolism and Therapeutic Targets				
11:00	Session A— Mechanisms of Atherosclerosis		Session B— Blood Coagulation and Antithrombotic Therapy				
11:30	Session B— Molecular, Developmental and Cellular Biology of the Vessel Wall		Session C— Aortic Aneurysm and Carotid Artery Disease				
11:45	Session C— Translational Science of Vascular Medicine: Molecular Imaging		11:45 AM–1:00 PM The Mentor of Women Award Luncheon (ticket required)				
NOON	NOON–6:00 PM KinMet 2015	12:15–1:15 PM Meet the Professor Luncheon (ticket required)	Or lunch on your own		NOON Closing Remarks/ Adjourn		
12:30		PVD Luncheon (ticket required) Or lunch on your own			HDL Structure- Function Workshop		
1:00	CAAC Symposium 1:30–5:00 PM	1:15–2:45 PM Plenary Session II Inflammation, Thrombosis and Vascular Disease	1:00–3:00 PM Plenary Session IV Young Investigator Award Competition — Brinkhouse Prize and Page Award		Saturday/Sunday Separate registration required		
1:30							
2:00							
2:30							
3:00	ATVB Registration Opens 3:00–7:00 PM	2:45–3:15 PM Refreshment Break/Exhibits	3:00–3:30 PM Refreshment Break/Exhibits		4:30–6:30 PM Next Generation Technology Bootcamp		
3:30		3:15–5:00 PM Concurrent Session II	3:30–5:15 PM Concurrent Session IV				
4:00		Session A— Apolipoproteins and Lipid Metabolism	Session A— Diabetes, Obesity and Metabolic Disorders				
4:30		Session B— Immunity and Inflammation in Vascular Biology and Thrombosis	Session B— Platelet Production, Signaling and Function				
5:00		Session C— Translational Science of Vascular Medicine: Mechanistic Biomarkers	Session C— Genomics, Epigenomics and Stem Cells in Vascular Disease				
		5:00–5:30 PM Special NHLBI Report					
5:30	CAAC Reception 6:00–10:00 PM	5:30–7:30 PM Poster Session I and Reception	5:45–7:00 PM Moderated PVD Poster Session	Poster Session II and Reception 5:30–7:30 PM			
6:00							
6:30							
7:00							
7:30							
8:00				ATVB/PVD Joint Council Dinner (ticket required) 7:30–10:30 PM			
8:30							

General Information

Key Dates

Oct. 17	Abstract and award submissions open for ATVB/PVD and VRIC
Dec. 17	Online registration opens
Jan. 23	Abstract and award submissions close
Feb. 25	Last day to become an AHA Professional Member and qualify for EARLY registration discount
March 11	Early registration deadline
March 25	Last day to become an AHA Professional Member and qualify for ADVANCE registration discount
April 8	Advance registration deadline
April 9	Standard registration rates apply

Program Description

This 2½-day meeting is sponsored by the Councils on Arteriosclerosis, Thrombosis and Vascular Biology and the Council on Peripheral Vascular Disease, in cooperation with the Council on Functional Genomics and Translational Biology, and the Society for Vascular Surgery. The meeting includes diverse disciplines within the arteriosclerosis, thrombosis, vascular biology, functional genomics, peripheral vascular disease and vascular surgery research communities that allow investigators to explore areas of cross-disciplinary interests. Special lectures, discussions and oral and poster presentations are planned. The meeting format is designed to provide opportunities for intense interaction among participants during sessions and breaks. We expect a broad representation from many disciplines and encourage young scientists to attend.

Target Audience

The conference will especially appeal to scientists and clinicians in cardiovascular medicine, cardiovascular surgery, cardiovascular research, thrombosis research, clinical cardiology, molecular/cellular biology, vascular biology, vascular medicine, vascular surgery, endocrinology, genetics, functional genomics, hematology, immunology and physiology.

Who Attends

- Ninety-two percent are physicians and/or research scientists
- Twenty-two percent of attendees are international: Canada (29 percent), Japan (13 percent), Sweden (10 percent), Netherlands (7 percent), Australia (5 percent), Germany (5 percent), France (4 percent) and the United Kingdom (4 percent). Other countries represented are Argentina, Austria, Belgium, Brazil, Chile, China, Denmark, Finland, India, Italy, New Zealand, Norway, Portugal, Russia, Singapore, South Korea, Spain and Switzerland
- Specialties include arteriosclerosis, biochemistry, cardiology, cell biology, diabetes and metabolism, endocrinology, genetics, hematology, internal medicine, molecular biology, nutrition, pathology, pharmacology, physiology, surgery (cardiothoracic, general, and vascular), thrombosis, vascular medicine and many others.

Continuing Medical Education



Physicians — The American Heart Association is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Physician Assistants — The American Association of Physician Assistants (AAPA) accepts Category I credit from AOACCME, Prescribed credit from the American Academy of Family Physicians (AAFP), and the American Medical Association *AMA PRA Category 1 Credit*™ from organizations accredited by ACCME..

Disclosure

All faculty participating in CME/continuing education (CE) activities sponsored by the American Heart Association will disclose to the audience (1) significant financial relationships with the manufacturer(s) of products from the commercial supporter(s) and/or the manufacturer(s) of products or devices discussed in their presentation, and (2) unlabeled/unapproved uses of drugs or devices discussed in their presentation. Such disclosures will be made in writing in course presentation materials.

Registration

Registration will open **Wednesday, Dec. 17, 2014**. To access the conference registration site, go to my.americanheart.org (Sessions tab) and follow the link to ATVB|PVD 2015. The deadline for early registration is March 11, and the deadline for advance registration is April 8. After April 8, standard registration rates apply. American Heart Association/American Stroke Association (AHA/ASA) council members pay significantly discounted registration fees. To qualify for the early AHA membership rate, you must renew or become a member by Feb. 25. To qualify for the advance AHA membership rate, you must renew or become a member by March 25.

Professional Membership

Join AHA/ASA Professional Membership today and save up to \$300 off registration if you become a Professional Member on or before Feb. 25. Join online today at my.americanheart.org (use Promo Code DEJ157ZZ).

Venue

ATVB|PVD 2015 will be held at the Hilton Union Square, in the heart of the Theater District. The hotel is located at 333 O'Farrell Street, and is within walking distance of world-famous cable cars, theaters, shopping and the culturally rich Yerba Buena Center for the Arts. Close by are historic Chinatown, Fisherman's Wharf and the Golden Gate Bridge. The Hilton Union Square offers a variety of options to fill your leisure time, including a heated outdoor pool, whirlpool, state of the art fitness center and spa.

Rooms for conference participants are available at special reduced rates of \$229 and will be available on a first-come, first-served basis until all are filled or until Tuesday, April 14, 2015. Information about lodging rates and reservations is available on the conference website at my.americanheart.org/atvbvpdsessions.

The most convenient airports are San Francisco International, which is 17 miles (30 minutes) away; Oakland International Airport, which is 18 miles (45 minutes) away; and San Jose International Airport, which is 50 miles (one-and-a-half hours) from the hotel.

Call for Abstracts — ATVB

CALL FOR ABSTRACTS

Physicians, research investigators and other health scientists are invited to submit abstracts on all aspects of arteriosclerosis, thrombosis, vascular biology and peripheral vascular disease for presentation at ATVB|PVD 2015. Abstracts for the conference will be selected for oral

or poster presentation.

The deadline for electronic submission of abstracts is **5:00 PM Central Standard Time (CST), Friday, Jan. 23, 2015**. To submit your abstract, visit the conference website at my.americanheart.org/atvbvpdsessions.

Please note that you will be charged a processing fee of U.S. \$40 for each abstract you submit. The fee for submissions after Jan. 23 will be U.S. \$80 per abstract.

Abstracts accepted for presentation at the conference will be published in an online issue of the AHA journal *Arteriosclerosis, Thrombosis and Vascular Biology* following the conference.

Abstract sessions are a forum for the presentation of novel research findings. Thus, the work covered by the abstract must not have been published (manuscript or abstract) at the time of submission or presented at any national meeting or world congress before May 6, 2015.

Abstracts and presentations are embargoed for release at date and time of presentation or time of AHA news event. Written embargoed information cannot be shared with anyone; however, one-on-one embargoed media interviews may be conducted as long as the reporter agrees to abide by the embargo policy. Failure to honor embargo policies will result in the abstract being withdrawn and barred from presentation.

Abstracts may be submitted in the following categories:

Atherosclerosis categories:

Apolipoproteins and Lipid Metabolism
Cellular Lipid Metabolism
Lipoprotein Metabolism and
Therapeutic Targets
Mechanisms of Atherosclerosis

Thrombosis categories:

Blood Coagulation and Antithrombotic Therapy
Platelet Production, Signaling and Function
Vascular Cells, Inflammation and Thrombosis

Vascular Biology categories:

Genomics and Epigenomics and Stem
Cells in Vascular Disease
Immunity and Inflammation in Vascular
Biology and Thrombosis
Molecular, Developmental and Cellular
Biology of the Vessel Wall

Vascular Medicine categories:

Aortic Aneurysm Disease
Peripheral Artery Disease, Carotid Artery
Disease and Stroke
Venous Thromboembolism, Chronic Venous
and Lymphatic Diseases
Clinical Lipidology: Diagnosis and
Therapeutics
Diabetes, Obesity and Metabolic Disorders

Awards

Sponsored by the ATVB and PVD Councils

Application for the following awards may be made by submitting abstracts for presentation at ATVB|PVD 2015 by the **Jan. 23, 2015** deadline. For detailed instructions, eligibility requirements and award criteria, visit the conference website at my.americanheart.org/atvbvpvdsessions and follow the link to ATVB|PVD 2015. If you have questions about eligibility, contact scientificconferences@heart.org.

- **Kenneth M. Brinkhous Young Investigator Prize in Thrombosis** recognizes outstanding endeavors by new investigators in fundamental and applied research in thrombosis, including the mechanism, detection, treatment and prevention of thrombotic disorders.
- **Irvine H. Page Young Investigator Research Award** is open to new investigators in arteriosclerosis and vascular biology. The award recognizes investigators in the formative years of their careers who have the potential to become future leaders in cardiovascular research.
- **Junior Investigator Award for Women** helps recruit and retain women in the field of arteriosclerosis, thrombosis and vascular biology by recognizing excellent research conducted by women.
- **Travel Awards for Young Investigators** encourage and support the efforts of early career investigators in cardiovascular research and encourage participation in ATVB and AHA activities by providing travel funds to attend the ATVB|PVD Conference, present research in oral or poster format and engage in discussion with senior investigators.
- **Robert W. Hobson II, MD, Early Career Investigator Award** is sponsored by the PVD Council and recognizes an outstanding early career investigator in the field of vascular and endovascular medicine, vascular surgery or vascular biology.
- **PVD Mid-Career Investigator Award** is sponsored by the PVD Council and recognizes mid-level career (associate professor) investigators who are actively involved in research related to peripheral vascular disease (arterial or venous).

New in 2015!

1. New **Translational Science of Vascular Medicine** Thursday (morning and afternoon) are integrated sessions addressing the intersection of basic and clinical sciences and opportunities for basic and clinical scientists to collaborate at the translational interface in vascular medicine. This year, the sessions will emphasize molecular imaging and mechanistic biomarkers as well as presentation by NHLBI staff scientists highlighting the NHLBI Perspective on Translational Opportunities for the ATVB and PVD communities.
2. Moderated and innovative electronic poster session feature PVD-related abstracts.
3. In collaboration with the Council on Functional Genomics and Translational Biology, the ATVB/PVD conference is providing a first-of-its-kind, hands-on, **Next-Generation Technology Bootcamp**, open to basic, clinical, and translational attendees with an interest in learning how to leverage and use cutting-edge genomic technologies and specifically, to use publicly available resources in their research. This year the bootcamp

will cover gene regulation and epigenetics (ENCODE and other computational data sets) and genome editing with the CRISPR/Cas9 system. Participants will be asked to view online videos before the conference. There is limited space available, and advance registration is required. **Early career attendees are especially encouraged to register.** Additional information will be available in Jan. 2015.

Special Features

These special lectures and award presentations are included in the program:

- 5K Fun Run/Walk
- Early Career Training sessions
- Meet the Professor Luncheon
- Irvine H. Page Young Investigator Research Award and the Kenneth M. Brinkhous Young Investigator Prize in Thrombosis competitions
- Mentor of Women Award Luncheon
- Jeffrey M. Hoeg Arteriosclerosis, Thrombosis and Vascular Biology Award for Basic Science and Clinical Research Lecture
- Distinguished Lecture
- Keynote Lecture
- Council Dinner

Other Meetings of Interest

The following conferences/symposia are not part of the education activities for ATVB/PVD 2015:

Vascular Research Initiatives Conference

May 6, 2015, Hilton San Francisco Union Square Hotel

The 29th Annual Vascular Research Initiatives Conference (VRIC), presented by the Society for Vascular Surgery® (SVS), is a one-day session preceding the main ATVB|PVD meeting, uniquely designed to foster interaction among top scientists of diverse disciplines who are investigating peripheral vascular disease and its treatments.

Submission of abstracts for the VRIC 2015 follows the same general process as abstract submission for the ATVB|PVD 2015, and all submitted abstracts will be reviewed and considered for presentation at ATVB|PVD 2015 Scientific Sessions. There is no additional cost for VRIC submissions. Poster or oral presentation at the VRIC 2015 does not preclude poster presentation at the ATVB|PVD 2015. VRIC 2015 presenters are encouraged to also present their data at the ATVB|PVD 2015 poster session.

The presenting author of an accepted abstract must pay the registration fee to attend VRIC 2015. Registration for VRIC 2015 entitles one to a \$100 discount off of the ATVB|PVD 2015 registration. All other expenses, (airfare, lodging, etc.) associated with the submission and presentation of an abstract are the responsibility of the presenter.

The deadline for **VRIC** and **ATVB|PVD** abstract submissions is **Jan. 23, 2015**.

Chinese American Academy of Cardiology Symposium

May 6, 2015, Hilton San Francisco Union Square Hotel

The Chinese American Academy of Cardiology (CAAC) in partnership with the American Heart Association will host the CAAC Symposium and Reception on Wednesday, May 6, at the Hilton San Francisco Union Square Hotel. The program will begin at 1:30 PM and will include a keynote presentation, featured scientific presentations and oral abstracts. A reception and dinner will follow the symposium. There is no cost to attend the CAAC Symposium, but registration is required. Additional information is available on the ATVB|PVD website.

Kinetics-Metabolism 2015

May 6, 2015, Hilton San Francisco Union Square Hotel

Scientists interested in lipoprotein and cellular metabolism and kinetic modeling are invited to attend KinMet 2015. There is no additional cost to attend this meeting.

Workshop on HDL Structure-Function

May 9–10, Hilton San Francisco Union Square Hotel

This workshop is an intimate and informal gathering of experts in HDL research. Its focus includes controversial and emerging topics in HDL structure and function, bringing experienced and young scientists together in an open forum. The objective of the meeting is to encourage lively debate and dialogue.

Preliminary Program

THURSDAY, MAY 7

7:00–8:00 AM

Early Career Training Session

Organized in cooperation with the ATVB Early Career Committee

8:00–8:30 AM

Conference Opening Welcome

Elliott Antman, MD, FAHA, Brigham and Women's Hospital, Boston, MA
President, American Heart Association

Muredach P. Reilly, MB, FAHA, University of Pennsylvania, Philadelphia, PA

Michael S. Conte, MD, University of California, San Francisco, San Francisco, CA

8:30–10:00 AM

Plenary Session I: Functional Genomics: Enhancer Biology and Epigenetics

Organized in cooperation with the Council on Functional Genomics and Translational Biology

8:30 Distant Views of Human Gene Regulation and Disease

Len A. Pennacchio, PhD, Lawrence Berkeley National Laboratory, Berkeley, CA

9:00 Epigenetic Control Over Innate Immunity

Christopher Glass, MD, PhD, FAHA, University of California San Diego, San Diego, CA

9:30 Epigenetic Reader Proteins and Superenhancers in Endothelial Biology

Jorge Plutzky, MD, Brigham and Women's Hospital, Boston, MA

10:00–10:30 AM

Refreshment Break and Exhibits

10:30 AM–12:15 PM

Concurrent Session I A: Mechanisms of Atherosclerosis

10:30 Innovative Inflammatory Mechanisms That Drive Plaque Vulnerability

Katey Rayner, PhD, NYU Langone Medical Center, New York, NY

11:00 Oral Abstract Presentations

Concurrent Session I B: Molecular and Cellular Biology of the Vessel Wall

10:30 Dual Role of Tissue Transglutaminase in Vascular Stiffening

Lakshmi Santhanam, PhD, Johns Hopkins University, Baltimore, MD

11:00 Oral Abstract Presentations

Concurrent Session I C: Translational Science of Vascular Medicine: Molecular Imaging

Organized in cooperation with the Peripheral Vascular Disease Council

10:30 Molecular Imaging of Vascular Inflammation Using Ultrasound

Jonathan R. Lindner, MD, Oregon Health & Science University, Portland, OR

11:00 Oral Abstract Presentations

11:45 FDG-PET Imaging in Arterial and Venous Disease

Ahmed Tawakol, MD, Massachusetts General Hospital, Boston, MA

12:15–1:15 PM

Meet the Professor Luncheon (ticket required),

Organized in cooperation with the ATVB Early Career Committee

Or lunch on your own

1:15–2:45 PM

Plenary Session II: Inflammation, Thrombosis and Vascular Disease

1:15 Contribution of RAGE to Diabetic Complications and the Ageing Vasculature

Ann Marie Schmidt, MD, New York University Langone Medical Center, New York, NY

1:45 Imaging Sterile and Infectious Inflammation in Blood Vessels

Paul Kubes, PhD, University of Calgary, Calgary, Alberta, Canada

2:15 Metalloproteases and Their Substrates in Thrombosis, Vascular Disease, and Inflammation

Christopher Overall, PhD, University of British Columbia, Vancouver, BC, Canada

2:45–3:15 PM

Refreshment Break and Exhibits

3:15–5:00 PM

Concurrent Session II A: Apolipoproteins and Lipid Metabolism

3:15 Modulation of Plasma Triacylglycerol by Apolipoprotein A-V
Robert O. Ryan, PhD, Children's Hospital Oakland Research Institute, Oakland, CA

3:45 Oral Abstract Presentations

Concurrent Session II B: Immunity and Inflammation in Vascular Biology and Thrombosis

3:15 Modulation of Co-stimulation in Vascular Disease: from Mechanisms to Therapy
Esther Lutgens, MD, PhD, University of Amsterdam, Amsterdam, Netherlands

3:45 Oral Abstract Presentations

Concurrent Session II C: Translational Science of Vascular Medicine: Mechanistic Biomarkers

Organized in cooperation with the Council on Peripheral Vascular Disease

3:15 Circulating RNA as a Biomarker and Mediator of Cardiovascular Disease
Jane E. Freedman, MD, University of Massachusetts Medical School, Worcester, MA

3:45 Oral Abstract Presentations

4:30 Platelet Activation and Thrombosis Biomarkers in Vascular Medicine
Jeffrey S. Berger, MD, MS, FAHA, FACC, New York University School of Medicine, New York, NY

5:00–5:30 PM

Special Report

5:00 NHLBI Perspective on Translational Opportunities for the ATVB and PVD Communities
Zorina Galis, PhD, NIH/NHLBI, Bethesda, MD

5:30–7:30 PM

Poster Session I and Reception

5:45–7:00 PM

Moderated PVD Poster Session

Organized in cooperation with the Council on Peripheral Vascular Disease

FRIDAY, MAY 8

7:00–8:00 AM

Early Career Training Session

Organized in cooperation with the ATVB Early Career Committee

8:00–9:30 AM

Plenary Session III: Highlights from the ATVB Journal

8:00 ATVB Journal Report
Alan Daugherty, PhD, DSc, FAHA, University of Kentucky, Lexington, KY

8:15 Presentation by the 2015 ATVB Journal Early Career Investigator Award Recipients

9:00 Recent Progress in Biomedical Research on Rho-kinase
Hiroaki Shimokawa, MD, PhD, FAHA, Tohoku University Graduate School of Medicine, Sendai, Japan

9:30–10:00 AM

Refreshment Break and Exhibits

10:00–11:45 AM

Concurrent Session III A: Lipoprotein Metabolism and Therapeutic Targets

10:00 Post-Transcriptional Regulation of Fatty Acid Synthesis
Jay Horton, MD, University of Texas Southwestern Medical School, Dallas, TX

10:30 Oral Abstract Presentations

Concurrent Session III B: Blood Coagulation and Antithrombotic Therapy

10:00 Protein Disulfide Isomerases: Novel Targets for Novel Antithrombotics
Bruce Furie, MD, Harvard Medical School, Beth Israel Deaconess Medical Center, Boston, MA

10:30 Oral Abstract Presentations

Concurrent Session III C: Aortic Aneurysm and Carotid Artery Disease

Organized in cooperation with the Council on Peripheral Vascular Disease

10:00 Genetics and Pharmacogenetics in Vascular Disease
Sonia Anand, MD, PhD, FRCPC, McMaster University, Hamilton, ON, Canada

10:30 Oral Abstract Presentations

11:45 AM–1:00 PM

The Mentor of Women Award Luncheon (ticket required) or lunch on your own

1:00–3:00 PM

Plenary Session IV: Young Investigator Award Competition

1:30 Kenneth M. Brinkhous Young Investigator Prize in Thrombosis Competition

2:00 Irvine H. Page Young Investigator Research Award Competition

3:00–3:30 PM

Refreshment Break and Exhibits

3:30–5:15 PM

Concurrent Session IV A: Diabetes, Obesity and Metabolic Disorders

3:30 Insulin-dependent ApoB Degredation and Hepatic Insulin Resistance
Janet D. Sparks, PhD, FAHA, University of Rochester Medical Center, Rochester, NY

4:00 Oral Abstract Presentations

Concurrent Session IV B: Platelet Production, Signaling and Function

3:30 Signaling of Platelet Adhesion on Receptors and New Antithrombotic Strategies
Xiaping Du, MD, PhD, University of Illinois at Chicago, Chicago, IL

4:00 Oral Abstract Presentations

Concurrent Session IV C: Genomics, Epigenomics and Stem Cells in Vascular Disease

3:30 TET2 is an Epigenetic Regulation of Smooth Muscle Plasticity
Kathleen A. Martin, PhD, Yale University School of Medicine, New Haven, CT

4:00 Oral Abstract Presentations

4:30–6:30 PM

Next-Generation Technology Bootcamp

*Organized in cooperation with the Council on Functional Genomics and Translational Biology
Separate registration required*

Kiran Musunuru, MD, PhD, MPH, Harvard University, Cambridge, MA

5:30–7:30 PM

Poster Session II and Reception

7:30–10:30 PM

ATVB and PVD Joint Council Dinner (ticket required) or dinner on your own

SATURDAY, MAY 9

6:30–7:30 AM

5K Fun Run/Walk

8:30–10:30 AM

Poster Session III and Continental Breakfast

10:30–NOON

Plenary Session V: Invited Lecture Series

Hoeg Award Lecture

10:30 Jeffrey M. Hoeg Arteriosclerosis, Thrombosis and Vascular Biology Award for Basic Science and Clinical Research Lecture, TBA

Keynote Lecture

11:00 Molecular Clocks and Cardiometabolic Disease
Garret A. Fitzgerald, MD, University of Pennsylvania, Philadelphia, PA

Distinguished Lecture

11:30 TBD
Roger Y. Tsien, PhD, Howard Hughes Medical Institute, UCSD, San Diego, CA

NOON

Closing Remarks/Conference Adjourns

ATVB/PVD 2015 Program Committee

Joshua A. Beckman, MD, MS, Brigham and Women's Hospital, Boston, Massachusetts

Michael S. Conte, MD, University of California, San Francisco, San Francisco, California

Edward Conway, MD, PhD, MBA, University of British Columbia, Vancouver, British Columbia, Canada

Mark Crowther, MD, MSc, FRCPC, McMaster University, Hamilton, Ontario, Canada

John Curci, MD, Vanderbilt University Medical Center, Nashville, Tennessee

Alan Daugherty, PhD, DSc, FAHA, University of Kentucky, Lexington, Kentucky

W. Sean Davidson, PhD, University of Cincinnati, Cincinnati, Ohio

Xiaping Du, MD, PhD, University of Illinois at Chicago, Chicago, Illinois

Robert C. Flaumenhaft, MD, PhD, Harvard Medical School, Boston, Massachusetts

Jennifer Hall, PhD, University of Minnesota, Minneapolis, Minnesota

David G. Harrison, MD, FAHA, Vanderbilt University School of Medicine, Nashville, Tennessee

Catherine C. Hedrick, PhD, FAHA, La Jolla Institute for Allergy and Immunology, La Jolla, California

Ken-ichi Hirata, MD, Kobe University School of Medicine, Kobe, Japan

Joseph Italiano, PhD, Brigham and Women's Hospital, Boston, Massachusetts

Iftikhar Kullo, MD, FAHA, FACC, Mayo Clinic, Rochester, Minnesota

Steven R. Lentz, MD, PhD, FAHA, University of Iowa, Iowa City, Iowa

Lars Maegdefessl, MD, PhD, Karolinska Institute, Stockholm, Sweden

Ziad Mallat, MD, PhD, University of Cambridge, Cambridge, United Kingdom

Jordan D. Miller, PhD, Mayo Clinic, Rochester, Minnesota

Sanjay Misra, MD, Mayo Clinic, Rochester, Minnesota

Kathryn J. Moore, PhD, New York University, New York, New York

Kiran Musunuru, MD, PhD, MPH, Harvard University, Cambridge, Massachusetts

Gregory Piazza, MD, Brigham and Women's Hospital, Boston, Massachusetts

J. Geoffrey Pickering, MD, PhD, FRCPC, Robarts Research Institute, London, Ontario, Canada

Jorge Plutzky, MD, Brigham and Women's Hospital, Boston, Massachusetts

Katey Rayner, PhD, University of Ottawa Heart Institute, Ottawa, Ontario, Canada

Muredach P. Reilly, MB, FAHA, Conference Chair, University of Pennsylvania, Philadelphia, Pennsylvania

Kerry Anne Rye, PhD, FAHA, University of New South Wales, Kensington, NSW, Australia

Daisy Sahoo, PhD, Medical College of Wisconsin, Milwaukee, Wisconsin

Jonathan D. Smith, PhD, FAHA, Cleveland Clinic, Cleveland, Ohio

Philip S. Tsao, PhD, Stanford University School of Medicine and VA Palo Alto Health Care System, Stanford, California

Alisa Wolberg, PhD, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina

Hong Wang, MD, PhD, EMBA, Temple University School of Medicine, Philadelphia, Pennsylvania

Karol Watson, MD, PhD, FAHA, UCLA Medical Center, Los Angeles, California

Andrew S. Weyrich, PhD, University of Utah, Salt Lake City, Utah

ATVB Invited Presenters

Sonia Anand, MD, PhD, FRCPC, McMaster University, Hamilton, Ontario, Canada

Jeffrey S. Berger, MD, MS, FAHA, FACC, New York University School of Medicine, New York, New York

Alan Daugherty, PhD, DSc, FAHA, University of Kentucky, Lexington, Kentucky

Xiaping Du, MD, PhD, University of Illinois at Chicago, Chicago, Illinois

Garret A. Fitzgerald, MD, University of Pennsylvania, Philadelphia, Pennsylvania

Jane E. Freedman, MD, University of Massachusetts Medical School, Worcester, Massachusetts

Bruce Furie, MD, Harvard Medical School, Beth Israel Deaconess Medical Center, Boston, Massachusetts

Zorina Galis, PhD, NIH/NHLBI, Bethesda, Maryland

Christopher Glass, MD, PhD, FAHA, University of California San Diego, San Diego, California

Jay Horton, MD, University of Texas Southwestern Medical School, Dallas, Texas

Paul Kubes, PhD, University of Calgary, Calgary, Alberta, Canada

Jonathan R. Lindner, MD, Oregon Health & Science University, Portland, Oregon

Esther Lutgens, MD, PhD, University of Amsterdam, Amsterdam, Netherlands

Kathleen A. Martin, PhD, Yale University School of Medicine, New Haven, Connecticut

Kiran Musunuru, MD, PhD, MPH, Harvard University, Cambridge, Massachusetts

Christopher Overall, PhD, University of British Columbia, Vancouver, BC, Canada

Len A. Pennacchio, PhD, Lawrence Berkeley National Laboratory, Berkeley, California

Jorge Plutzky, MD, Brigham and Women's Hospital, Boston, Massachusetts

Katey Rayner, PhD, University of Ottawa Heart Institute, Ottawa, Ontario, Canada

Robert O. Ryan, PhD, Children's Hospital of Oakland Research Institute, Oakland, California

Lakshmi Santhanam, PhD, Johns Hopkins University, Baltimore, Maryland

Ann Marie Schmidt, MD, New York University Langone Medical Center, New York, New York

Hiroaki Shimokawa, MD, PhD, FAHA, Tohoku University Graduate School of Medicine, Sendai, Japan

Janet D. Sparks, PhD, FAHA, University of Rochester Medical Center, Rochester, New York

Ahmed Tawakol, MD, Massachusetts General Hospital, Boston, Massachusetts

Roger Y. Tsien, PhD, Howard Hughes Medical Institute, UCSD, San Diego, California

Questions and Information

If you have questions after reading this program, contact the American Heart Association National Center, Dallas:

Telephone	888-242-2453 (inside the United States) 214-570-5935 (outside the United States)
Fax	214-373-3406
Email	scientificconferences@heart.org
Website	my.americanheart.org

Council Membership Customer Service

Lippincott Williams & Wilkins

Telephone	800-787-8984 (inside the United States) 301-223-2307 (outside the United States)
Fax	301-223-2327
Email	ahaonline@lww.com



ATVB|PVD²|15

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Cardiovascular diseases and stroke afflict people of all races, ethnicities, genders, religions, ages, sexual orientations, national origins and abilities. The American Heart Association is committed to ensuring that our workforce and volunteers reflect the world's diverse population. We know that such diversity will enrich us with the talent, energy, perspective and inspiration we need to achieve our mission: building healthier lives, free of cardiovascular diseases and stroke.

Submit your best science by
Friday, Jan. 23, 2015
and plan to attend!