2017 CONFERENCE

Cardiovascular Aging: New Frontiers and Old Friends
Westminster, Colorado • August 11-14, 2017

Call for Abstracts

DEADLINES
Abstract: March 31, 2017
Advance Registration: June 30, 2017
Housing: July 20, 2017

LOCATION & DATE
Westminster, Colorado • August 11-14, 2017

Register early by May 30, 2017 and be entered to WIN a Microsoft Surface Pro 4!

the-aps.org/CVAgingInvitation
#CVAging17
PURPOSE OF CONFERENCE
Aging is the number one risk factor of cardiovascular disease (CVD). The sessions at this conference will discuss the implications of aging vascular systems in a host of different physiological systems, organs, and tissues. These sessions will emphasize the translation of cell and molecular observations to ex vivo and intact mammalian systems. Topics include age-related arterial disease states such as atherosclerosis, hypertension, heart failure, as well as age-related tissue and systems dysfunction that are not typically thought to be influenced by vascular function such as, cancer, metabolic syndrome, and autoimmune diseases. This conference will draw physiologists and investigators from other translational fields of study that are interested in cardiovascular function and disease.

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LOCATION: Westin Westminster Hotel

The Westin Westminster Hotel is located between Boulder and downtown Denver. Its convenient location offers a one-of-a-kind opportunity to visit the natural wonders of Colorado. Visit the breathtaking slopes of the Rocky Mountains, Pikes Peak, and the Garden of Gods. For an experience that will truly inspire curiosity and excite minds of all ages, discover a variety of exhibitions, programs, and activities at The Denver Museum of Nature and Science. These activities plus many shops and fine restaurants make the Westminster area the perfect blend of outdoor adventure and urban sophistication.

The Westin Westminster Hotel is easily accessible from the Denver International Airport being only a cab ride away. Temperatures in this area during August usually range from the comfortable lower 70's to upper 80's making the outdoors perfect for all types of activities. For more information on the Westin Westminster, please visit www.westin.com/westminster.

ORGANIZING COMMITTEE
Andreas Beyer (Chair)
Medical College of Wisconsin
Anthony Donato (Co-Chair)
University of Utah
Prasad Katakam
Tulane University
Amanda Jo LeBlanc
University of Louisville
Lisa Lesniewski
University of Utah
Judy Muller-Delp
Florida State University
Douglas Seals
University of Colorado

For more information or to register, visit the-aps.org/CVAgingInvitation
### Keynote Lecture

**Health Aging and Cardiovascular Disease**  
*Speaker: Douglas Seals*

### Symposia I

**Countermeasures to Cardiovascular Aging**  
*Chairs: Lisa Lesniewski and Amanda Jo LeBlanc*

- Rapamycin and Elamipretide (SS-31): Interventions to Reverse Cardiac Aging by Enhancing Mitochondrial Function—Peter Rabinovitch
- Late-life Exercise Training Reverses Age-related Microvascular Dysfunction: A Role for Adiponectin?—Judy Muller-Delp
- Modulatory Influences of Sex Hormones on Vascular Aging—Kerrie Moreau
- Reversing Coronary Microvascular Dysfunction in Aging: Role of Thrombospondin-1—Amanda Jo LeBlanc

### Select Abstract Oral Presentations

**Novel Mechanisms of Blood Flow Control and Microvascular Function with Age**  
*Chair: Frank Dinenno*

- Skeletal Muscle Oxygen Transport During Exercise: Effects of Aging and Heart Failure—David Poole
- Aging and Mechanisms of Human Exercise Blood Flow—Frank Dinenno
- The Impact of Age and Hypertension on Cutaneous Microvascular Function—Lacy Alexander
- Alterations in Microvascular Network Patterns in Aging—Walter Lee Murfee

### Symposium III

**Novel Implications for Blood Flow and Vascular Dysfunction in Non-Cardiovascular Related Diseases**  
*Chair: Judy Muller-Delp*

- Implications for Blood Flow in Prostate Cancer—Brad Behnke
- Endothelial Dysfunction in the Adipose is a Key Regulator of Age Related Metabolic Dysfunction—Lisa Lesniewski

### Select Abstract Oral Presentations

### Career Workshop

**Career Development Workshop**

### Plenary Lecture

**Blood Pressure Targets for Older Adults: Implications for Cognitive and Cardiovascular Disease Endpoints**  
*Mark Supiano*
CONFERENCE PROGRAM (continued)

Symposia IV  Novel Mechanisms Underlying Vascular Impairments in the Aging Brain  
Chair: Prasad Katakam

- Pulse Pressure in the Aging Brain—Eric Thorin  
- Aging and Cerebrovascular Remodeling—Anne Dorrance  
- Human Cerebral Artery Function and Aging—Jill Barnes  
- Role of Endothelial nNOS in Age-related Microvascular Impairments—Prasad Katakam

Select Abstract Oral Presentations

Symposia V  Cellular Senescence and Genomic Instability: Implications for Cardiovascular Disease  
Chair: Anthony Donato

- Implications of Cellular Senescence in Age Related Physiological Dysfunction—James Kirkland  
- Age Related Genomic Instability in Human Arteries—Garrett Morgan  
- Physiological Implications of Induced Endothelial Specific Telomere Dysfunction—Ashley Walker

Select Abstract Oral Presentations

Symposia VI  Mitochondria: The Epicenter of Aging Related Cardiovascular Defects  
Chair: Andreas Beyer

- Oxygen Metabolism, Tissue Responses to Hypoxia, Oxidative Stress, and Molecular Mechanisms of Oxygen Sensing by Mitochondria—Paul Schumacker  
- Metabolic Regulation of Age-related Mitochondria Defects—Changhan David Lee  
- Non Canonical Telomerase Signaling as Mechanisms of Mitochondria and Vascular Dysfunction—Andreas Beyer

Select Abstract Oral Presentations

Closing Remarks  Aging and Cardiovascular Diseases: What is Now, What is Next?  
Speaker: Anthony Donato

For more information or to register, visit the-aps.org/CVAgingInvitation
ABSTRACTS
An exciting part of the conference is the presentation of scientific abstracts. There are two poster sessions during the conference that allow you to present your research along with your colleagues and peers. Deadline for abstract submission is March 31, 2017. The abstract online system is already accepting abstracts. Submit your abstract(s) in a few easy steps now! For more information, visit the-aps.org/CVAgingInvitation.

AWARDS
Calling all students and Postdoctoral Fellows. You may be eligible for travel award funding for this conference. There are two awards available, the APS Abstract Travel Award and the APS Minority Travel Fellowship Award. Don’t miss out on funding to attend this conference. Deadline for both awards is April 7, 2017. For more information, visit the-aps.org/CVAgingInvitation.

HOUSING
This conference is being held at the Westin Westminster Hotel in Westminster, Colorado. The hotel is conveniently located between Boulder and downtown Denver with easy access to shopping, dining, and activities. Single, double, triple, and quad occupancy rooms are available online. Deadline for housing is July 20, 2017. For more information, visit the-aps.org/CVAgingInvitation.

REGISTRATION
We can’t wait for you to attend this conference. Plan in advance and save on your registration fee. On-site registration is significantly higher than the advance registration fee so register early. Not an APS Member and want to save on the registration fee? No problem, join APS and become a member so you can also save on your registration fee! Enjoy your membership benefit of discounted registration when you join. For more information on membership, visit the-aps.org/apply. Deadline for registration is June 30, 2017. For more information, visit the-aps.org/CVAgingInvitation.