

SCIENTIFIC 20 SESSIONS 16



UNIVERSITY OF IOWA PARTICIPATION

89th Annual Scientific Sessions

November 12-16, 2016

Earnest Morial Convention Center New Orleans, LA

Past Presidents of the American Heart Association From The University of Iowa

1966-67 Lewis E. January, M.D. 1978-79 John W. Eckstein, M.D. 1990-91 François M. Abboud, M.D.

SPECIAL LECTURES

Welcome and Presidential Address

Sunday, November 13, 2016 | Main Event 1, Hall G | 1:00-3:00 PM Steven Houser, PhD, FAHA | Temple University, Philadelphia, PA

Lewis A. Conner Memorial Lecture

Sunday, November 13, 2016 1:00-3:00 pm in Main Event 2 Hall G Robert M. Califf, MD, MACC | Commissioner of FDA | Silver Springs, MD

Nobel Laureate Lecture

Title of Lecture: TBA

Monday, November 14, 2016 12:30-1:30pm in Main Event 2 Hall G James E Rothman, PhD | Chairman, Department of Cell Biology, Yale University, New Haven, CT

Paul Dudley White International Lecture

"The Dark Genome: Function and Therapeutic Potential of Non-Coding RNAs in Cardiovascular Disease"

Tuesday, November 15, 2016 2:00-2:30PM Room 211-213

Stefanie Dimmeler, PhD | Director of the Institute of Cardiovascular Regeneration, Goethe University Frankfurt, Germany

Distinguished Scientist Lecture

"Contributions of Epidemiology to the prevention of Stroke and Dementia" Tuesday, November 15, 2016 12:30-1:30 pm in Main Event 2 Room Philip A Wolf, MD | Professor of Neurology, Boston University, Boston, MA

Session Highlights and Awards

Chairman's Award

Sidney Smith, Jr., Chapel Hill, NC

<u>Distinguished Scientist Recognition</u> <u>Basic Research Prize</u>

Elizabeth McNally, Chicago, IL

Clinical Research Prize

Joseph Ornato, Richmond, VA

Population Research Prize

Emelia Benjamin, Framingham, MA

Eugene Braunwald Academic Mentorship Award

Eric Olson, Dallas, TX

Research Achievement Award

Robert Califf, Silver Springs, MD

Joseph A. Vita Award

Christine Seidman, Boston, MA

Saturday, November 12, 2016

Early Career Session EC.AHA.01 Early Career Opening General Session	Presentation Overview of Scientific Organization of the AHA and Ways to Get Involved
Moderator- 9:00 AM-12:00 PM Rivergate Presentation- 9:00-9:20 AM	Steven R House, Temple University, Philadelphia, PA and AHA President 2016/2017
Resuscitation Science Symposium Session ReSS.APS.06.05 ReSS Poster Session - Day 1 Section 05 Moderator- 1:15-2:45 PM The Great Hall D Presentation- 1:23-1:31 PM	Presentation 126-A Multi-Statewide 5-Year Initiative to Improve Care for Out-of-Hospital Cardiac Arrest: Primary Results From the HeartRescue Project Saket Girotra, Univ of Iowa Carver Medical Ctr, Iowa City, IA

Sunday, November 13, 2016

Sunday Morning Program Session AT.SMP.291 State-of-the-Art Update in Clinical Lipidology	Presentation- PCSK9 Inhibitors: When Are They Useful? In Whom?
Moderator- 8:00 - 11:00 AM Room 354-355 Presentation- 8:44-9:06 AM	Jennifer G Robinson, Iowa City, IA
Resuscitation Science Symposium Session ReSS.12 Main Event Session: Preparing for and Executing Team Resuscitation Moderator- 12:00-1:15 PM The Great Hall A	Moderator Saket Girotra, Iowa City, IA
Cardiovascular Seminar Session AT.CVS.112 Emerging Concepts in Cardiac Valve Disease Moderator- 3:45-5:00 PM Room 218-219 Presentation- 3:45-4:00 PM	Moderator Donald D Heistad, Iowa City, IA Presentation- Aortic Valve Matrix Remodeling Donald D Heistad, Iowa City, IA
Joint Sessions Session JS.663 Familial Hypercholesterolemia: From Childhood to Adulthood and Diagnosis to Cure (Joint Session with FH Foundation) Moderator-3:45-5:00 PM Rivergate	Moderator Jennifer G Robinson, Iowa City, IA

Sunday	Nov.	13 th .	cont'd
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Abstract Oral Session

Session LI.AOS.758 Congenital Heart Disease Progressing to Heart Failure and Transplant

Moderator- 3:45-5:00 PM Room 271

Presentation-3:45-3:55 PM

Presentation-4:00-4:10 PM

Presentation 158-The Influence of Fontan-associated Protein-losing Enteropathy on Outcomes in Patients Referred for Heart Transplant: a Multicenter Study

Erik Edens, Univ. of Iowa, Iowa City, IA

Presentation 159-NO Improvement in Outcomes for Adults with Congenital Heart Disease Listed for Heart Transplantation at the Lowest Priority Status in the United States 1986-2014

...Knute D Carter, Univ. of Iowa, Iowa City, IA, et al

Abstract Poster Session

Session HY.APS.P17 Autonomic, Reflex, and Neurohumoral Control of Circulation

Moderator- 3:45-5:00 PM Science & Tech Hall, Clinical Science Section

Presentation-3:45-5:00 PM

S 4184- Selective Deletion of Brain-specific Renin Isoform Causes Hypertension and Elevated Sympathetic Nerve Activity

Keisuke Shinohara, Xuebo Liu, Donald A Morgan, Justin L Grobe, Kamal Rahmouni, Curt D Sigmund, Univ of Iowa, Iowa City, IA

Abstract Poster Session

Session IM.APS.P24 CT of the Heart: Predictive Value and Function

Moderator- 3:45-5:00 PM STH Clinical Science Section

Presentation-3:45-5:00 PM

S 4262- Diagnostic Accuracy of Coronary Computed Tomography Angiography in Patients Undergoing Cardiac Valve Surgery: Systematic Review and Meta-analysis

Kongkiat Chaikriangkrai, Ghanshyam Palamaner Subash Shanta, Aref Bin Abdulhak,... Jay K Bhama, Gardar Sigurdsson, Univ of Iowa Heart and Vascular Ctr, Iowa City, IA, et al

Abstract Poster Session

<u>Session AR.APS.P56 Arrhythmia: Clinical</u>
Electrophysiology, Diagnosis and Risk Stratification I

Moderator-3:45-5:00 PM STH-Clinical Science II Section

Presentation-3:45-5:00 PM

S 5162 - Temporal Trends, Racial and Gender Differences in the Use of Oral Anticoagulation in Medicare Patients With Newly Diagnosed Atrial Fibrillation

...Mary Vaughan Sarrazin, Univ of Iowa Coll of Med, Iowa City, IA, et al

Abstract Poster Session

<u>Session AR.APS.P58 Arrhythmia: Clinical</u> <u>Electrophysiology, Diagnosis and Risk Stratification III</u>

Moderator- 3:45-5:00 PM STH-Clinical Science II Section

Presentation-3:45-5:00 PM

S 5189- Intermittent Pre-excitation in Wolff Parkinson White Syndrome Does Not Convey Low Risk

...Jennifer Lampe, Univ of Iowa Children's Hosp, Iowa City, IA; et al

Sunday Nov. 13 th , cont'd Abstract Oral Session Session AR.APS.P62 Technical Considerations for Ablation of Atrial Fibrillation	\$ 5242 - Experience With a Novel Hybrid Cryo/rf Focused Technique in Long-Standing Persistent Atrial Fibrillation - Low Voltage Bridge Mapping
Moderator- 3:45 - 5:00 PM STH-Clinical Science II Section	Michael C Giudici, Steven J Bailin, Univ of Iowa Hosp, Iowa City, IA
Presentation-3:45-5:00 PM	
Joint Sessions Session JS.1197 My Patient Cannot Stand Up: Orthostatic Hypotension in 2016 (Joint Session with American Autonomic Society) Moderator- 5:30 - 6:45 PM Room 260-262	Moderator Brian Olshansky, Iowa City, IA

Monday, November 14, 2016

Resuscitation Science Symposium Poster Session Session ReSS.APS.15.01 ReSS Poster Session - Day 3 Section 01 The Great Hall D Moderator: 8:00-9:30 AM The Great Hall D	Presentation 300- Early Coronary Angiography & Survival After Out-of-Hospital Cardiac Arrest: Systematic Review & Meta-Analysis
Presentation- 8:00-8:08 AM	Sheena CarlLee, Rohan Khera,Marin Schweizer, Saket Girotra, Univ of Iowa Hosp and Clinics, Iowa City, IA, et al
Frontiers in Science Session TH.FIS.100 Bridging Basic and Clinical Science: Introduction and Overview	Presentation-Perspective from the ATVB Council.
Moderator- 9:00-9:30 AM Room 217 Presentation-9:05:9:10 AM	Steven R Lentz, Iowa City, IA
Frontiers in Science Session TH.FIS.101 Venous Thrombosis Moderator- 9:30:-11:00 AM Room 217	Moderator Steven R Lentz, Iowa City, IA
Cardiovascular Seminar Session ST.CVS.262 Controversy: Should Interventional Cardiologist Perform Mechanical Thrombectomy for Stroke Moderator- 10:45-12:00 PM Room 348-349	Moderator Colin Derdeyn, Iowa City, IA

Monday, November 14, 2016 cont'd Cardiovascular Seminar Session EP.CVS.152 The High Risk CAC Zero Patient: To Treat or Not to Treat Moderator- 10:45-12:00 PM Room 346-347 Presentation-11:10-11:30 AM	Presentation-High Risk, Zero CAC Patients Must Be Treated Jennifer G Robinson, Iowa City, IA
Abstract Oral Session Session AR.AOS.780 Atrial Fibrillation: Topics in Mechanism and Anticoagulation Moderator- 10:45-12:00 PM Room 338-339 Presentation- 11:45-11:55 AM	Presentation 219- Racial Differences in Outcomes With Dabigatran and Rivaroxaban versus Warfarin in Medicare Population With Atrial Fibrillation Mary Vaughan Sarrazin, Univ of Iowa Coll of Med, Iowa City, IA, et al
Best of AHA Specialty Conference Session BASC.06 Best of AHA Specialty Conferences: Hypertension 2016 Moderator- 10:45 - 12:00 PM Science & Tech Hall-Best of Specialty Conference Section Presentation-10:45 – 12:00 PM	Presentation HTN 08 - Deletion of Serum and Glucocorticoid-regulated Kinase 1 (SGK1) in T Cells Attenuates Hypertension and Renal/Vascular DysfunctionJing Wu, Iowa Univ, Iowa City, IA
Abstract Oral Session Session QU.APS.P84 Acute Coronary Artery Disease: Quality of Care and Outcomes Moderator- 10:45 - 12:00 PM STH-Population Science Section Presentation-11:00 - 11:15 AM	M 2091 - Patterns of 30-Day Readmissions Following Acute Myocardial Infarction in the United States: Analysis of the Nationwide Readmission Database Rohan Khera,Saket Girotra, Univ of Iowa, Iowa City, IA, et al.
Abstract Poster Session Session NR.APS.500 Cardiovascular Disease Risk Assessment and Management Moderator- 10:45-12:00 PM Science & Technology Hall Presentation-10:45-12:00 PM	M 3027 Mechanisms Underlying Associations Between Optimism, Hostility, and Cardiovascular RiskNatalie L Denburg, Univ of Iowa, Carver Coll of Med, Iowa City, IA
Frontiers in Science Session TH.FIS.102 The Holy Grail of Anticoagulation: Preventing Thrombosis without Causing Bleeding Moderator- 11:00-12:00 PM Room 217	Presentation - Overview of Current and Emerging Anticoagulant Therapeutics
Presentation-11:00-11:15 AM	Steven R Lentz, Iowa City, IA

Monday, November 14, 2016 cont'd Abstract Poster Session Session CE.APS.P163 Apoptosis, Necrosis, and Autophagy	M 1171 - Activation of Igf-1 Receptor Signaling by Hyperinsulinemia Suppresses Cardiac Autophagy Through Trb3/p62 Pathway
Moderator- 12:45-2:00 PM Science/Technology Hall, Basic Science Section Presentation-12:45-2:00 PM	E. Dale Abel, Univ of Iowa, Iowa City, IA, et al.
Abstract Poster Session Session MP.APS.P166 Cardiac Metabolism, Energetics, and Function	M 1199 - Mitochondrial Pyruvate Transport is Required for the Cardiac Adaptation to Pressure Overload
Moderator- 12:45-2:00 PM Science/Technology Hall, Basic Science Section Presentation-12:45-2:00 PM	Yuan Zhang E. Dale Abel, Univ of Iowa, Roy J. and Lucille A. Carver Coll of Med, Iowa City, IA et al.
Abstract Poster Session Session MP.APS.P166 Cardiac Metabolism, Energetics, and Function Moderator- 12:45-2:00 PM Science/Technology Hall, Basic Science Section	M 1205 - Snf1-related Kinase Improves Cardiac Mitochondrial Efficiency by Decreasing Mitochondrial Uncoupling
Presentation-12:45-2:00 PM	E. Dale Abel, Univ of Iowa, Iowa City, IA, et al.
Frontiers in Science Session ARS.FIS.03 Ventricular Arrhythmias in Structural Heart Disease Moderator – 1:00-3:15 PM Room 255-257	Presentation -What Can We learn From Arrhythmogenesis in Heart Failure?
Presentation - 2:11-2:16 PM	Barry London, Iowa City, IA
Abstract Rapid Fire Oral Session LI.RFO.20 Metabolic Syndrome, Dysglycemia, and Dyslipidemia: Diagnostic, Prognostic, and Therapeutic Aspects Moderator – 1:30-2:40 PM Science and Technology	Presentation 685 - Pharmacodynamic Relationship Between PCSK9, Alirocumab, and LDL-C Lowering in the ODYSSEY CHOICE I Trial
Hall, Population Science Theater Presentation – 2:00-2:05 PM	Jennifer G Robinson, Univ of Iowa, Iowa City, IA, et al.
Cardiovascular Seminar Session LF.CVS.218 Cholesterol Controversies	Moderator
Moderator - 2:00 - 3:15 PM Room 354-355	Jennifer G Robinson, Iowa City, IA

Monday, November 14, 2016 cont'd	
Abstract Oral Session Session TH.AOS.103.N Sol Sherry Distinguished Lecture in Thrombosis Moderator: 2:00-3:30 PM Room 217	Moderator Steven R Lentz, Iowa City, IA
Abstract Poster Session Session LI.APS.P146 Mechanistic Insights in Pediatric and Congenital Heart Disease Moderator-2:00-3:15 PM Science &Tech Hall, Special Focus Section Presentation-2:00-315 PM	M 3054-Impact of the Unzipping Technique on Pulmonary Artery Structure and Growth Rachel Luehrs and Melissa Bates, Univ of Iowa, Iowa City, IA, et al.
Cardiovascular Seminar Session HY.CVS.180 SFRN Session: Hypertension Moderator- 2:00-3:15 PM Room 350-351 Presentation-2:00-3:15 PM	Presentation - Prevention Panel Participant: Pregnancy, children, and underserved populations Gary L. Pierce, Iowa City, IA
Main Event Session ME.04 What is the Role of PCSK9 Inhibitors in CV Prevention? Moderator- 3:45-5:00 PM Room Main Event 1, Hall G Presentation-4:30-4:45 PM	Presentation - Framework for Using Nonstatins in Clinical Practice Jennifer G Robinson, Iowa City, IA
Clinical Science: Special Report Session CSSR.01 Cell Therapy: Ready for Prime Time? Moderator- 3:45-5:00 PM Room Main Event 1, Hall G Presentation-3:45-3:57 PM	Presentation - Administration of Autologous Bone Marrow Cells for Limb Salvage in Patients With Critical Limb Ischemia: Results of the Multicenter Phase III MOBILE TrialMelhem J Sharafuddin, Univ of Iowa Sch of Med, Iowa City, IA, et al.
Abstract Oral Session Session ReSS.AOS.21 Oral Abstracts: Post-arrest Management Moderator- 4:30-5:30 PM The Great Hall A Presentation- 4:30-4:45 PM	Presentation 29- Post-resuscitation Care and Survival After In-hospital Cardiac Arrest Saket Girotra,Yunshu Zhou, Mary Vaughan-Sarrazin, Univ of Iowa, Iowa City, IA, et al.

Monday, November 14, 2016 cont'd

Cardiovascular Seminar

Session AR.CVS.1209 Vasovagal Syncope, POTS & IST: HRS Expert Consensus & Beyond

Moderator- 5:30 - 6:45 PM Room 220-221

Presentation-5:30-5:45 PM

Presentation – The Syncope Evaluation

Brian Olshansky, Iowa City, IA



The University of Iowa Division of Cardiovascular Medicine cordially invites you to attend the University of Iowa Reception at the American Heart Association 2016 Scientific Sessions.

Monday, November 14, 2016 7:00 p.m. to 9:00 p.m.

Marriott New Orleans Downtown at the Convention Center 859 Convention Center Boulevard New Orleans, Louisiana

We hope you can join us for an evening of hors d'oeuvres, cocktails, and conversation.

Hosted by Barry London, Director, Division of Cardiovascular Medicine in the University of Iowa Roy J. and Lucille A. Carver College of Medicine.

Please R.S.V.P. online. http://www.uifoundation.org/forms/aha/

If you have questions or need more information, contact Andrea Chambers at andreachambers@uiowa.edu or at (319) 467-3613 or (800) 648-6973.

Tuesday, November 15, 2016

Tuesday, November 10, 2010	
Special Focus Session: Cardiovascular Nursing Session NU.SF.CVN.814 Cardiovascular Nursing Clinical Symposium: Day Two	Presentation - Palliative Care for the Patient With Pulmonary Hypertension?
Moderator- 8:00-3:00 PM Room 353 Presentation-2:15-3:00 PM	Traci Stewart, Iowa City, IA
Cardiovascular Seminar Session AT.CVS.117 Role of PCSK9 in Cardiovascular Disease	Moderator Jennifer Robinson, Iowa City, IA
Moderator- 9:00-10:15 AM Room 211-213	Jennier Robinson, Iowa Oity, IA
Abstract Oral Session Session QU.AOS.556 Quality, Outcomes, and Safety in CVD	Presentation 324 - Trends in Survival From In-hospital Cardiac Arrests During Nights and Weekends
Moderator- 9:00- 10:15 AM Room 238-239	
Presentation-9:30-9:40 AM	Saket Girotra, Univ of Iowa Hosp and Clinics, Iowa City, IA, et al.
Cardiovascular Seminar	
Session PR.CVS.244 SFRN Session: Heart Failure	Presentation - Treatment Panel Participant: Options on the
Moderator - 9:00-10:15 AM Room 350-351	horizon for HFpEF vs HFrEF, and the effects of sex/gender on treatment
Presentation – 9:00-10:15 AM	E. Dale Abel, Iowa City, IA
Abstract Poster Session	
Session HF.APS.P209 Kidney-Heart Connection: Diuresis	T4043 - National Trends and Outcomes in Dialysis- requiring
and Renal Function in Heart Failure	Acute Kidney Injury in patients With Congestive Heart Failure: 2002-2013
Moderator- 10:45- 12:00 PM Science & Technology Hall, Clinical Science Section	2002-2013
Presentation- 10:45-12:00 PM	Abhishek Mishra, Univ of Iowa Hosp and Clinics, Iowa City, IA, et al.
Abstract Poster Session	
Session LF.APS.P225 Exercise, Physical Activity and Rehabilitation III	T2029 - ICD Lead Performance in Athletes: Long-term Results of a Prospective Multinational Registry
Moderator- 10:45-12:00 PM Science & Tech Hall, Population Science Section	Treatile of a Freepoulve Malandalonal Megistry
Presentation- 10:45-12:00 PM	Brian Olshansky, Univ of Iowa, Iowa City, IA, et al.
Abstract Poster Session	
Session EP.APS.P266 Epidemiology and Papulation Studies: Station and Stain Adherence	T2016 - Reasons for Statin Underutilization in Ambulatory
Population Studies: Statins and Stain Adherence	Care Settings: Results From the PALM Community Based
Moderator- 10:45-12:00 PM Science & Tech Hall, Population Science Section	Registry
Presentation- 10:45-12:00 PM	Jennifer G Robinson, Univ of Iowa Carver Coll of Med, Iowa City, IA; et al.

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Tuesday. November 15. 2016 cont'd Abstract Poster Session Session TH.APS.P111 Hemostasis, Thrombosis and Fibrinolysis Moderator – 12:45-2:00 PM Science & Tech Hall, Basic Science Section	T1203 - Glucose Metabolism is Essential for Platelet Function Trevor P Fidler, Trevor Funari, Nicholas G Dunne,E. Dale Abel, Univ of Iowa, Roy J. and Lucille A. Carver Coll of Med,
Presentation -12:45-2:00 PM	Iowa City, IA, et al.
Abstract Poster Session Session AT.APS.P236 Experimental Ischemic Injury, Oxidative Stress, and Diabetic Heart Disease Moderator- 12:45-2:00 PM Science & Tech Hall, Basic Science Section Presentation- 12:45-2:00 PM	T1015- Sodium Glucose Co-Transporter 1 (SGLT1) is a Novel Contributor to Cardiac Ischemia/Reperfusion (I/R) Injury Through PKC- and ERK-Dependent Mechanisms Zhao Li, Lindsey Gifford, Ferhaan Ahmad, The Univ of Iowa, Iowa City, IA
Abstract Poster Session Session CE.APS.P242 Ligand-Mediated Signaling and Receptor Pharmacology Moderator- 12:45-2:00 PM Science & Tech Hall, Basic Science Section Presentation- 2:00 - 3:30 PM	T1068 - Differential Insulin-dependent Signaling Pathways Modulated by Hydrogen Peroxide in Cardiac Myocytes E. Dale Abel, Univ of Iowa, Iowa City, IA; et al.
Abstract Poster Session Session HF.APS.P121 Molecular Basis of Cardiac Hypertrophy Moderator- 1:30-2:45 PM Science & Tech Hall, Clinical Science Section Presentation- 1:30-2:45 PM	T4169 - The RNA Binding Protein RBPMS2 is a Novel Regulator of Cardiac Stress Jared M McLendon, Xiaoming Zhang, Ryan L Boudreau, Univ of Iowa Carver Coll of Med, Iowa City, IA T4176 - A Minipig Genetic Model of Hypertrophic Cardiomyopathy Robert M Weiss, Abhay Divekar, Lindsey M Gifford, Melissa K Davis, Daniel R Thedens, Jessica Sieren, David K Meyerholz, Ferhaan Ahmad, Univ of Iowa, Iowa City, IA; et al.
Abstract Poster Session Session EP.APS.P269 Epidemiology and Population Studies: Atrial Fibrillation Moderator- 1:30-2:45 PM Science & Tech Hall, Population Science Section Presentation-1:30-2:45 PM	T2124 - Association of Hepatitis C infection and Incident Atrial Fibrillation Prashant Bhave, Univ of Iowa Hosp and Clinics, Iowa City, IA; Mary Vaughan Sarrazin, VA Iowa City, Iowa City, IA, et al.

T2155 - Racial Differences in Statin Therapy Utilization for Cardiovascular Disease Prevention in the United States: Findings From the PALM (Patient and Provider Assessment of Lipid Management) Registry Jennifer G. Robinson, Univ of Iowa Carver Coll of Med, Iowa City, IA
T 4288 - Role of Permanent Pacing in Neurally Mediated Syncope: Have We Come Full Circle? Brian Olshansky, Iowa City, IA
Moderator Steven R Lentz, Iowa City, IA

Wednesday, November 16, 2016

No lowa Participants listed in morning sessions for final day of Scientific Sessions.