



UNIVERSITY OF OTTAWA
HEART INSTITUTE

INSTITUT DE CARDIOLOGIE
DE L'UNIVERSITÉ D'OTTAWA

AMERICAN HEART ASSOCIATION SCIENTIFIC SESSIONS 2014

Heart Institute Presentations and Activities Schedule

The American Heart Association Scientific Sessions convenes this week in Chicago. The 40 University of Ottawa Heart Institute program items include "Ask the Expert" talks, panel discussions, "Best of Specialty Conferences" presentations and a wide array of other research. Find it all with our program guide.

SATURDAY, NOVEMBER 15

EARLY CAREER

Developing Your Niche in Cardiovascular Surgery and Anesthesia (Planned by the Council on Cardiovascular Surgery and Anesthesia)

3:00 PM – 4:45 PM

S401A

4:20 PM DEBATE: STARTING FACULTY SHOULD HAVE PROTECTED TIME FOR RESEARCH

Marc Ruel

SUNDAY, NOVEMBER 16

SUNDAY MORNING PROGRAM

A Step-by-Step, How to Do It Course on Advanced Cardiac Surgical Techniques

8:00 AM – 11:00 AM

N227B

MODERATOR: Marc Ruel

SUNDAY MORNING PROGRAM

Cases and Debates in Complex Percutaneous Coronary Interventions

8:00 AM – 11:00 AM

N228

9:35 AM SURGICAL REPAIR IN ASYMPTOMATIC "SEVERE" DEGENERATIVE MITRAL REGURGITATION IS PREFERRED

Thierry Mesana

SUNDAY MORNING PROGRAM

New Directions and Applications of Biomaterials in Cardiovascular Disease

8:00 AM – 11:00 AM

N227A

9:45 AM BIOMATRICES AS ADJUVANTS AND STAND-ALONES FOR CARDIAC REGENERATION

Erik Suuronen

SUNDAY MORNING PROGRAM

Advanced Heart Failure Management Strategies in Pediatric and Congenital Heart Disease

8:00 AM – 11:00 AM

S102BC

10:38 AM THE UTILITY OF BIOMARKERS AND PROTEOMICS IN PEDIATRIC HEART FAILURE

Peter Liu

ABSTRACT POSTER SESSION

Cell, Tissue Engineering and Gene-Based Therapies I

8:00 AM – 5:00 PM

SOUTH HALL A2 - CORE 5

9:30 AM – 11:00 AM PARACRINE ENGINEERING OF HUMAN CARDIAC STEM CELLS TO OVER-EXPRESS STROMAL CELL- DERIVED FACTOR 1A ENHANCES POST-ISCHEMIC CARDIAC REPAIR

Darryl R Davis

9:30 AM – 11:00 AM OVER-EXPRESSION OF INSULIN-LIKE GROWTH FACTOR-1 BY HUMAN CARDIAC STEM CELLS ENHANCES LONG-TERM RETENTION OF TRANSPLANTED CELLS WHILE PROMOTING SALVAGE OF INJURED MYOCARDIUM

Robyn Jackson and Darryl R Davis

ABSTRACT POSTER SESSION

Novel Insights into Cardiac Remodeling After Myocardial Infarction from Imaging Structure, Metabolism and Function

9:00 AM – 5:00 PM

SOUTH HALL A2 - CORE 1

9:30 AM – 11:00 AM DYNAMIC THALLIUM-201 SPECT/CT PROVIDES QUANTITATIVE INDEX OF MYOCARDIAL FLOW AND VIABILITY: VALIDATION IN PORCINE POST-MYOCARDIAL INFARCTION MODEL

Stephanie L Thorn, Mitchel R Stacy, Alda Bregasi, Jin Chul Paeng, Vahid Ataeabadi Tavakoli, James O Winters, Chris Hawley, Yangfeng Tang, James Bennett, R. Glenn Wells, Chi Liu, Ran Klein, Albert J Sinusas

ABSTRACT POSTER SESSION

Coding Variants in Mendelian and Complex Cardiovascular Disease

9:00 AM – 5:00 PM

SOUTH HALL A2 - CORE 3

9:30 AM – 11:00 AM EXOME CHIP ANALYSIS FROM THE CASPER REGISTRY HIGHLIGHTS POTENTIAL GENETIC VARIANT ASSOCIATED WITH UNEXPLAINED CARDIAC ARREST

Rafik Tadros, Andrew D Krahn, Nathalie Chami, Jeffrey S Healey, Vijay S Chauhan, David H Birnie, Jean Champagne, Shubhayan Sanatani, Paul Angaran, Robert M Gow, Jean-Claude Tardif, John D Rioux, Marie-Pierre Dube, Simon de Denus, Santabhanu Chakrabarti, Brenda Gerull, Laurence Sterns, Raymond Yee, Lorne J Gula, George J Klein, Michael H Gollob, Martin Gardner, Christopher S Simpson, Mario Talajic, Guillaume Lettre

ABSTRACT POSTER SESSION

Aortic Stenosis: Flow and Determination of Severity

9:00 AM – 5:00 PM

SOUTH HALL A2 - CORE 5

9:30 AM – 11:00 AM ASSESSMENT OF AORTIC STENOSIS SEVERITY IN LOW-FLOW LOW-GRADIENT AORTIC STENOSIS: COMPARISON OF DOBUTAMINE STRESS ECHOCARDIOGRAPHY AND AORTIC VALVE CALCIUM SCORING BY COMPUTED TOMOGRAPHY -THE TOPAS STUDY

Abdellaziz Dahou, Marie-Annick Clavel, Eric Larose, Romain Capoulade, Philipp E Bartko, Henrique B Ribeiro, Lionel Tastet, Jutta Bergler-klein, Gerald Mundigler, Ian Burwash, Jean G Dumesnil, Mario Senechal, Kim O'Connor, Helmut Baumgartner, Josep Rodés-Cabau, Philippe Piabrot

ABSTRACT POSTER SESSION

Computed Tomography: Coronary Artery Atherosclerosis

9:00 AM – 5:00 PM

SOUTH HALL A2 - CORE 1

3:00 PM – 4:30 PM PREVALENCE, CHARACTERISTICS, AND EARLY TREATMENT STRATEGIES OF PATIENTS WITH CHRONIC TOTAL OCCLUSIONS UNDERGOING CORONARY COMPUTED TOMOGRAPHY ANGIOGRAPHY

Maksymilian P. Opolski, Bráin Ó Hartaigh, Heidi Gransar, Joshua Schulman-Marcus, Quynh A. Truong, Daniel S. Berman, Matthew J. Budoff, Stephan Achenbach, Mouaz Al-Mallah, Daniele Andreini, Filippo Cademartiri, Tracy Q. Callister, Hyuk-Jae Chang, Kavitha Chinnaiyan, Benjamin J. W. Chow, Ricardo Cury, Augustin Delago, Martin Hadamitzky, Joerg Hausleiter, Gudrun Feuchtner, Yong-Jin Kim, Philipp A. Kaufmann, Jonathon Leipsic, Fay Y. Lin, Erica Maffei, Gianluca Pontone, Gilbert Raff, Leslee J. Shaw, Todd C. Villines, Walter Reed Natl Medical Ctr, Bethesda, MD; Allison Dunning, James K. Min

ABSTRACT POSTER SESSION

Surgical Therapy for Valvular Heart Disease I

9:00 AM – 5:00 PM

SOUTH HALL A2 - CORE 6

3:00 PM – 4:30 PM BIOPROSTHETIC VALVES HAVE A HIGHER LONGEVITY IN BLOOD GROUP A RECIPIENTS

Olivier Schussler, Nermine Lila, Thomas V Pernberger, Parmeseeven Mootoosamy, Marc Ruel, Anne François, Afksendiyos Kalangos, Alain Carpentier

LATE-BREAKING CLINICAL TRIALS

Risk and Benefit of Dual Antiplatelet Therapy

3:45 PM – 5:00 PM

NORTH HALL B

PANELIST: Marc Ruel

ABSTRACT ORAL SESSION

ATVB Early Career Investigator Award Finalists

3:45 PM – 5:00 PM

S104

4:42 PM MIR-33 AND ITS PASSENGER STRAND COOPERATIVELY REGULATE AUTOPHAGY IN ATHEROSCLEROSIS

Mireille Ouimet, Hasini Ediriweera, Bhama Ramkhelawon, Elizabeth Hennessy, Erik Sakowski, Cynthia Portal Celhay, Tathagat Dutta Ray, Frederick Sheedy, Denuja Karunakaran, Ragnunath Singaravelu, Coen van Solingen, Xianghai Liao, John Pezacki, Jennifer Philips, Ira Tabas, Yves Marcel, Katey Rayner, Kathryn Moore

MONDAY, NOVEMBER 17

CARDIOVASCULAR SEMINAR

Functional Ischemic Mitral Regurgitation

7:30 AM – 8:45 AM

N227A

8:18 AM ADDRESSING SEVERE LEAFLET TETHERING IN FUNCTIONAL ISCHEMIC MITRAL REGURGITATION

Vincent Chan

CARDIOVASCULAR SEMINAR

Noncoding RNAs and Cardiovascular Disease

7:30 AM – 8:45 AM

S102A

MODERATOR: Ruth McPherson

ABSTRACT ORAL SESSION

Surgical Revascularization for Ischemic Heart Disease I

9:00 AM – 10:15 AM

N227B

MODERATOR: Marc Ruel

ABSTRACT ORAL SESSION

Cardiac Regeneration/Cellular Therapy: Experimental

9:00 AM – 10:15 AM

S404A

10:00 AM CAN THE FUNCTIONAL BENEFITS OF CARDIAC PROGENITOR CELLS BE EQUALED BY THEIR SECRETED EXTRACELLULAR VESICLES?

Nisa Renault, Anaïs Kervadec, Hadi Toeg, Xavier Loyer, Hany Nemetalla, Min Yin, Lousineh Arakélian, Marie-Cécile Périer, Valérie Bellamy, Nadia El Harane, Valérie Vanneaux, Jérôme Larghero, Albert A. Hagege, Chantal Boulanger, Marc Ruel, Jean-Sébastien Silvestre, Philippe Menasché

Be sure to verify times and locations in the official AHA program.

BEST OF AHA SPECIALTY CONFERENCES

Best of AHA Specialty Conferences: ATVB 2014

9:00 AM – 5:00 PM

SOUTH HALL A2

9:30 AM – 11:00 AM ANTI-MIR33 THERAPY

PROMOTES PGC1A EXPRESSION, MITOCHONDRIAL FUNCTION AND IMMUNOMETABOLIC PATHWAYS IN MACROPHAGES IN ATHEROSCLEROSIS

Denuja Karunakaran and Katey J Rayner

9:30 AM – 11:00 AM MIR-33 ANTAGONISM PREVENTS

THE PROGRESSION OF ATHEROSCLEROSIS BY PROMOTING AN M2 MACROPHAGE PHENOTYPE
Hasini N Ediriweera, Mireille Ouimet, Frederick J Sheedy, Katey J Rayner, Alessandro Salerno, Susan B Hutchison, Sarah Hamerling, Christine Esau, Regulus Therapeutics, Edward Fisher, Kathryn J Moore

9:30 AM – 11:00 AM MIR-33 COORDINATELY

REGULATES MACROPHAGE AUTOPHAGY

Mireille Ouimet, Hasini Ediriweera, Bhama Ramkhalawon, Elizabeth Hennessy, Denuja Karunakaran, Xianghai Liao, Christine Esau, Ira Tabas, Yves Marcel, Katey Rayner, Kathryn Moore

ABSTRACT ORAL SESSION

Heart Failure: ICDs, CRT and More

10:45 AM – 12:00 PM

S405

11:45 AM CLINICAL RISK STRATIFICATION FOR PRIMARY PREVENTION IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICDS)

Douglas S. Lee, Judy Hardy, Raymond Yee, Jeffrey S Healey, David Birnie, Christopher S. Simpson, Eugene Crystal, Iqwal Mangat, Kumaraswamy Nanthakumar, Xuesong Wang, Andrew D. Krahn, Paul Dorian, Peter C. Austin, Jack V. Tu

ABSTRACT ORAL SESSION

Aortic Stenosis: Mechanisms, Risk Stratification and Outcomes

2:00 PM – 3:15 PM

S404BCD

2:15 PM TRICUSPID REGURGITATION IS

INDEPENDENTLY ASSOCIATED WITH INCREASED RISK OF MORTALITY IN PATIENTS WITH LOW-FLOW LOW-GRADIENT AORTIC STENOSIS AND REDUCED EJECTION FRACTION-RESULTS FROM THE TOPAS STUDY

Abdellaziz Dahou, Julien Magne, Marie-Annick Clavel, Romain Capoulade, Philipp Emanuel Bartko, Jutta Bergler-Klein, Mario Senechal, Gerald Mundigler, Ian G Burwash, Henrique B Ribeiro, Kim O'Connor, Patrick Mathieu, Helmut Baumgartner, Jean G Dumesnil, Raphael Rosenhek, Eric Larose, Josep Rodés-Cabau, Philippe Pibarot

ABSTRACT ORAL SESSION

Surgical Therapy for Valvular Heart Disease:

Aortic Valve

3:45 PM – 5:00 PM

N226

4:00 PM WHEN IS LEFT VENTRICULAR FUNCTION

TOO POOR FOR SUCCESSFUL AORTIC VALVE REPLACEMENT? ANALYSIS OF 3,075 CASES

Dai Une and Marc Ruel

CARDIOVASCULAR SEMINAR

Advanced and Surgical Treatment of CHF

5:30 PM – 6:45 PM

N226

6:15 PM ADDRESSING THE MITRAL VALVE: MEDICAL, INTERVENTIONAL OR SURGICAL?

Thierry Mesana

TUESDAY, NOVEMBER 18

ABSTRACT POSTER SESSION

Emerging Technologies I

9:00 AM – 5:00 PM

SOUTH HALL A2 - CORE 5

9:30 AM – 11:00 AM SERUM-FREE CULTURE

CONDITIONS SUPPORT HUMAN CARDIAC STEM CELL OUTGROWTH

Seth Mount and Darryl R Davis

ABSTRACT POSTER SESSION

Transcatheter Aortic Valve Replacement: Findings from Trials and Registries

9:00 AM – 5:00 PM

SOUTH HALL A2 - CORE 6

9:30 AM – 11:00 AM TRANSCATHETER AORTIC VALVE

IMPLANTATION IN PATIENTS WITH BICUSPID AORTIC VALVE: A PATIENT LEVEL MULTI-CENTER ANALYSIS

Altayyeb Yousef and Marino Labinaz

ABSTRACT ORAL SESSION

Novel Genes Related to CAD and Risk Factors

10:45 AM – 11:45 AM

S101

11:00 AM IDENTIFICATION OF NOVEL CAD GENETIC LOCI BY 1000 GENOMES-BASED IMPUTATION AND A NON-ADDITIVE DISCOVERY SCREEN

Majid Nikpay

CARDIOVASCULAR SEMINAR

Harnessing Genomics and Other Omics for CVD Gene

Discovery and Translation in Very Large Populations

3:45 PM – 5:00 PM

S100C

MODERATOR: Ruth McPherson

ABSTRACT ORAL SESSION

Surgical Therapy for Valvular Heart Disease:

Mitral Valve

3:45 PM – 5:00 PM

N226

MODERATOR: Thierry Mesana

ASK THE EXPERTS

Hot Topics and Debates in Cardiac Surgery

5:30 PM – 6:45 PM

N226

6:00 PM PERSONS WITH DIABETES WITH LAD

DISEASE: NEW REVASCULARIZATION EQUIPOISE?

Marc Ruel

WEDNESDAY, NOVEMBER 19

ABSTRACT ORAL SESSION

Cell and Tissue Engineering Strategies for Heart Failure

9:00 AM – 10:15 AM

S404BCD

MODERATOR: Erik Suuronen

9:00 AM LONG TERM FOLLOW-UP OF OUTCOMES

WITH F-18-FLUORODEOXYGLUCOSE POSITRON EMISSION TOMOGRAPHY IMAGING- ASSISTED MANAGEMENT OF PATIENTS WITH SEVERE LEFT VENTRICULAR DYSFUNCTION SECONDARY TO CORONARY DISEASE

Brian A Mc Ardle and Rob S Beanlands

ABSTRACT ORAL SESSION

Novel Applications of Nuclear Cardiology for

Diagnosis and Management of Cardiovascular Disease

9:00 AM – 10:15 AM

N230B

9:00 AM INJECTABLE COLLAGEN-BASED HYDROGEL

MATRIX MODULATES MICRO-RNA EXPRESSION

AND PREVENTS CARDIAC DETERIORATION

POSTMYOCARDIAL INFARCTION

Nick JR Blackburn and Erik J Suuronen

9:30 AM STAGING ATHEROSCLEROTIC DISEASE AND

VESSEL REMODELING WITH [18F]-SODIUM FLUORIDE,

A NOVEL BIOMARKER OF ACTIVE CALCIFICATION:

SUB-STUDY OF THE CANADIAN ATHEROSCLEROSIS

IMAGING NETWORK (CAIN-2)

Myra S Cocker and Rob Beanlands

9:45 AM STRESS MYOCARDIAL PERFUSION POSITRON

EMISSION TOMOGRAPHY PROVIDES INCREMENTAL

RISK PREDICTION IN SUBJECTS WITH AND WITHOUT

DIABETES)

Hicham Skali, Marcelo F Di Carli, Ron Blankstein, Benjamin

J Chow, Rob S Beanlands, Daniel S Berman, James K Min,

Michael Merhige, Brent Williams, Emir Veledar, Leslee J

Shaw, Sharmila Dorbala

ABSTRACT POSTER SESSION

All About the Mitral Valve

9:00 AM – 12:00 PM

SOUTH HALL A2 - CORE 5

9:30 AM – 11:00 AM EFFECT OF MITRAL VALVE

AREA FOLLOWING SURGICAL REPAIR FOR DEGENERATIVE MITRAL REGURGITATION ON EXERCISE HEMODYNAMICS AND FUNCTIONAL CONSEQUENCES

Kwan Chan and Buu-Khanh Lam

ABSTRACT POSTER SESSION

Application of Molecular Imaging to Improve

Diagnosis of Cardiac and Vascular Inflammation

9:00 AM – 12:00 PM

SOUTH HALL A2 - CORE 1

9:30 AM – 11:00 AM CARDIAC DENERVATION

APPEARS BEFORE BECOMING MYOCARDIAL TISSUE FIBROSIS IN PATIENTS WITH CARDIAC INVOLVEMENT SARCOIDOSIS AND ACTIVE INFLAMMATION USING C-11 HYDROXYEPHEDINE PET/CT AND CARDIAC MAGNETIC RESONANCE

Keiichiro Yoshinaga, Ichizo Tsujino, Osamu Manabe, Yuuki Tomiyama, Takahiro Sato, Noriko Oyama-Manabe, Hiroshi Ohira, Ken-ichi Nishijima, David Birnie, Rob S.B. Beanlands, Masaharu Nishimura, Nagara Tamaki

ABSTRACT POSTER SESSION

Common and Rare Variation and

Cardiovascular Disease

9:00 AM – 12:00 PM

SOUTH HALL A2 - CORE 3

9:30 AM – 11:00 AM GENETIC VARIANTS PRIMARILY

ASSOCIATED WITH INFLAMMATORY BOWEL DISEASE DO NOT ASSOCIATE WITH CORONARY ARTERY DISEASE

Henning Jansen, Wolfgang Lieb, Paola Gloria Ferrario, Nelson P Christopher, Sekar Kathiresan, Reilly P Mudedach, Themistocles L Assimes, Eric Boerwinkle, Alistair S Hall, Christian Hengstenberg, Ruth McPherson, Robert Roberts, Nilesh J Samani, Jeanette Erdmann, Heribert Schunkert

ABSTRACT ORAL SESSION

Myocardial Protection and Surgical Outcomes

10:45 AM – 12:00 PM

N226

11:15 PM METHYLGLYOXAL INDUCES STEM CELL

DYSFUNCTION THROUGH IMPAIRED MATRIX

INTERACTIONS AFTER MYOCARDIAL INFARCTION

Nick Blackburn and Erik J Suuronen

ABSTRACT ORAL SESSION

Advances in Echocardiography of Aortic Valve Disease

10:45 AM – 12:00 PM

N230A

11:15 PM LIPOPROTEIN(A) AND PROGRESSION RATE

OF AORTIC VALVE STENOSIS - A POOLED-ANALYSIS

OF TWO PROSPECTIVE STUDIES

Romain Capoulade, Lionel Tastet, Ablajan Mahmut, Kwan L

Chan, Sandra Guaque-Olarte, Marie Arsenault, Elisabeth

Bedard, Benoit J Arsenault, Nathalie Gaudreault, Jean G

Dumesnil, Koon K Teo, James W Tam, Jean-Pierre Després,

Patrick Mathieu, Yohan Bossé, Philippe Pibarot

Be sure to verify times and locations in the official AHA program.