



UNIVERSITY OF OTTAWA
HEART INSTITUTE
INSTITUT DE CARDIOLOGIE
DE L'UNIVERSITÉ D'OTTAWA

AMERICAN HEART ASSOCIATION SCIENTIFIC SESSIONS 2013

Heart Institute Presentations and Activities Schedule

The American Heart Association Scientific Sessions is the largest conference for cardiovascular science and medicine in the world. The staff of the University of Ottawa Heart Institute is once again responsible for many expert clinical talks and research presentations at the event. This guide highlights those Heart Institute program items.

SATURDAY, NOVEMBER 16

EARLY CAREER

Challenges at the Start of Your Cardiac Surgical Practice (Planned by the Council on Cardiovascular Surgery and Anesthesia)

1:00 PM – 2:30 PM

ROOM C150

1:45 PM – 2:00 PM CONSIDERATIONS AND NEW APPROACHES TO CHALLENGING REDO SURGERY
Marc Ruel

AHA CARDIOVASCULAR EVENING SYMPOSIUM

Diabetes and Cardiovascular Disease: Current Controversies

7:00 PM – 9:00 PM

OMNI DALLAS HOTEL, DALLAS BALLROOM BC

8:12 PM – 8:36 PM CABG IS THE RIGHT OPTION FOR ALMOST ALL PATIENTS WITH DIABETES AND MULTIVESSEL CAD
Marc Ruel

SUNDAY, NOVEMBER 17

ABSTRACT POSTER SESSION

Imaging and Outcomes in Valvular Heart Disease

9:00 AM – 5:00 PM

HALL F, CORE 5

9:30 AM – 11:00 AM TRICUSPID REGURGITATION IS ASSOCIATED TO HIGHER MORTALITY IN PATIENTS WITH LOW-FLOW LOW-GRADIENT AORTIC STENOSIS AND LOW EJECTION FRACTION -RESULTS FROM THE TOPAS STUDY

Abdellaziz Dahou, Marie-Annick Clavel, Romain Capoulade, Philip Bartko, Jutta Bergler-Klein, Mario Sénéchal, Gerald Mundigler, Ian Burwash, Henrique Ribeiro, Kim O'Connor, Helmut Baumgartner, Jean G Dumesnil, Patrick Mathieu, Eric Larose, Josep Rodés-Cabu, Julien Magne, Philippe Pibarot

ABSTRACT POSTER SESSION

Cell and Tissue Engineering Therapies for Heart Failure

9:00 AM – 5:00 PM

HALL F, CORE 5

9:30 AM – 11:00 AM FUNCTIONAL ENHANCEMENT OF CIRCULATING ANGIOGENIC CELLS CULTURED ON A COLLAGEN BIOMATERIAL USING THE CYSTEINE-RICH ANGIOGENIC INDUCER 61 (CYR-61) PROTEIN
Brian McNeill, Branka Vulesevic, Marc Ruel, Erik J Suuronen

9:30 AM – 11:00 AM EFFECTIVE RETENTION AND DISTRIBUTION OF A COLLAGEN MATRIX INJECTED INTO THE INFARCTED MOUSE HEART LIMITS LOSS OF CARDIAC FUNCTION

Ali Ahmadi, Stephanie Thorn, Myra Kordos, Donna T Padavan, Tayebah Hadizad, Greg O Cron, Rob S Beanlands, Jean N DaSilva, Marc Ruel, Rob A deKemp, Erik J Suuronen

ABSTRACT POSTER SESSION

Translational Molecular Imaging: Novel Probes and Advanced Clinical Applications

9:00 AM – 5:00 PM

HALL F, CORE 1

9:30 AM – 11:00 AM [18F]-FLUORODEOXYGLUCOSE IS A STRONGER CORRELATE OF INTRAPLAQUE INFLAMMATORY BURDEN IN HUMAN CAROTID PLAQUE THAN C-REACTIVE PROTEIN: A SUB-STUDY OF THE CANADIAN ATHEROSCLEROSIS IMAGING NETWORK (CAIN)

Myra S Cocker, J David Spence, Robert Hammond, Brian Mc Ardle, Jordan Bernick, Rob deKemp, Cheemun Lum, George Youssef, Yulia Yerofeyeva, Tigran Kara vardanyan, Adebayo Adeeko, Andrew Hill, Sudhir Nagpal, Grant Stotts, Jennifer Renaud, Cathy Kelly, Joanne Brennan, Linda Garrard, Murad Alturkustani, Laura Hammond, Jean DaSilva, Jean-Claude Tardif, Rob Beanlands

ABSTRACT POSTER SESSION

Novel Angiogenic and Regenerative Therapies for Heart Failure

9:00 AM – 5:00 PM

HALL F, CORE 5

3:00 PM – 4:30 PM COMPARATIVE ASSESSMENT OF EXOGENOUS AND ENDOGENOUS CARDIAC REPAIR USING AN INJECTABLE PORCINE SUBMUCOSA-EXTRACELLULAR MATRIX IN A MYOCARDIAL SCAR MODEL

Rashmi Tiwari-Pandey, Hadi Toeg, Richard Seymour, Ali Ahmadi, Suzanne Crowe, Branka Vulesevic, Erik J. Suuronen, Marc Ruel

ABSTRACT ORAL SESSION

ATVB Early Career Investigator Award Finalists

3:45 PM – 5:00 PM

ROOM C140

Moderator: Katey Rayner

ABSTRACT ORAL SESSION

Vivien Thomas Young Investigator Award Finalists

3:45 PM – 5:00 PM

ROOM D227

Moderator: Marc Ruel

4:15 PM – 4:30 PM FINDING THE IDEAL BIOMATERIAL FOR AORTIC VALVE REPAIR

Hadi D Toeg, Ovais Abessi, Talal Al-Atassi, Laurent de Kerchove, Gebrine El-Khoury, Michel Labrosse, Munir Boodhwani

MONDAY, NOVEMBER 18

ASK THE EXPERTS

Update on Aortic Valve Repair

7:30 AM – 8:45 AM

ROOM D227

Moderator: Munir Boodhwani

CARDIOVASCULAR SEMINAR

Imaging for Viability: Is It Viable

7:30 AM – 8:45 AM

ELM FORK ROOM

7:45 AM – 8:00 AM ROLE OF SPECT/PET
Rob Beanlands

CARDIOVASCULAR SEMINAR

Challenges in Acute and Chronic Thromboembolic Disease

7:30 AM – 8:45 AM

ROOM C140

7:45 AM – 8:00 AM EPIDEMIOLOGY AND EVALUATION OF PATIENTS WITH CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION

Fraser D Rubens

ABSTRACT ORAL SESSION

Emerging Role of PET Biomarkers in Cardiovascular Disease

9:00 AM – 12:00 PM

WEST FORK ROOM

Moderator: Rob Beanlands

11:00 AM – 11:15 AM IS THERE AN ASSOCIATION BETWEEN MYOCARDIAL FLOW RESERVE AS MEASURED ON RUBIDIUM-82 POSITRON EMISSION TOMOGRAPHY AND ALLOGRAFT REJECTION IN PATIENTS FOLLOWING CARDIAC TRANSPLANTATION?
Brian A Mc Ardle, Ross A Davies, Gary R Small, Yeung Yam, Haisam Haddad, Lisa M Mielniczuk, Ellamae Stadnick, Ann Guo, Rob S Beanlands, Rob A deKemp, Benjamin Chow

ABSTRACT POSTER SESSION

Novel Cellular Therapies for Ischemic Heart Failure

9:00 AM – 5:00 PM

HALL F, CORE 5

9:30 AM – 11:00 AM GENETIC ENHANCEMENT OF INSULIN-LIKE GROWTH FACTOR-1 IN HUMAN CARDIAC STEM CELLS PREVENTS CELL DEATH AND ENHANCES ISCHEMIC MYOCARDIAL REPAIR
Robyn Jackson, Everad L Tilokey, Nicholas Latham, Bin Ye, Munir Boodhwani, Vincent Chan, Marc Ruel, Erik J Suuronen, Duncan J Stewart, Darryl R Davis

9:30 AM – 11:00 AM DIABETES INHIBITS CARDIAC STEM CELL-MEDIATED CARDIAC REPAIR THROUGH THE ACCUMULATION OF REACTIVE DICARBONYLS
Andre S Molgat, Nicholas Latham, Everad Tilokey, Megan Fitzpatrick, Glenn Hay, Rick Seymour, Branka Vulesevic, Khanh Lam, Marc Ruel, Ross W Milne, Erik J Suuronen, Darryl R Davis

ABSTRACT POSTER SESSION

Arrhythmia Management

9:00 AM – 5:00 PM

HALL F, CORE 4

9:30 AM – 11:00 AM A PROSPECTIVE PLACEBO CONTROLLED RANDOMIZED STUDY OF CAFFEINE IN PATIENTS WITH SUPRAVENTRICULAR TACHYCARDIA UNDERGOING ELECTROPHYSIOLOGICAL TESTING. I. EFFECTS ON CARDIAC CONDUCTION AND REFRACTORINESS

Robert Lemery, Amanda Pecarskie, Kathryn Williams, George A Wells

ABSTRACT POSTER SESSION

Novel Technologies for AF Ablation

9:00 AM – 5:00 PM

HALL F, CORE 4

9:30 AM – 11:00 AM CONTACT FORCE MAPPING OF HUMAN CARDIAC GANGLIONNATED PLEXUSES
Robert Lemery

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

ABSTRACT POSTER SESSION

From Genomic Target to Disease Mechanism
9:00 AM – 5:00 PM
HALL F, CORE 3

9:30 AM – 11:00 AM FUNCTIONAL RELATIONSHIP OF THE COL4A1/COL4A2 LOCUS ON CHROMOSOME 13Q34 TO CORONARY ARTERY DISEASE (CAD)
Adam Turner, Majid Nikpay, Paulina Lau, Sebastien Soubeyrand, Ruth McPherson

ABSTRACT POSTER SESSION

Outcomes in Aortic Stenosis
9:00 AM – 5:00 PM
HALL F, CORE 5

3:00 PM – 4:30 PM IMPACT OF RIGHT VENTRICULAR LONGITUDINAL STRAIN AT REST AND UNDER DOBUTAMINE STRESS ON OUTCOME IN LOW-FLOW, LOW-GRADIENT AORTIC STENOSIS -RESULTS FROM THE TOPAS STUDY
Abdellaziz Dahou, Marie-Annick Clavel, Romain Capoulade, Philip Bartko, Julien Magne, Gerald Mundigler, Jutta Bergler-Klein, Ian G Burwash, Julia Mascherbauer, Henrique Ribeiro, Kim O'Connor, Helmut Baumgartner, Mario Sénéchal, Jean G Dumesnil, Raphael Rosenhek, Patrick Mathieu, Eric Larose, Josep Rodes, Philippe Pibarot

ABSTRACT POSTER SESSION

Heart Rhythm Disorders: Clinical Features
9:00 AM – 5:00 PM
HALL F, CORE 4

3:00 PM – 4:30 PM IMPLANTABLE CARDIOVERTER DEFIBRILLATOR EVENTS AND MORTALITY IN UNEXPLAINED CARDIAC ARREST SUBJECTS IN THE CARDIAC ARREST SURVIVORS WITH PRESERVED EJECTION FRACTION REGISTRY (CASPER)
Petsy Pui-Sze So, Jeffrey S Healey, Vijay S Chauhan, David H Birnie, Jean Champagne, Shubhayan Sanatani, Kamran Ahmad, Emily Ballantyne, Brenda Gerull, Raymond Yee, Allan C Skanes, Lorne J Gula, Peter Leong-Sit, George J Klein, Michael H Gollob, Christopher S Simpson, Mario Talajic, Martin Gardner, Andrew D Krahn

CASE THEATER

Learning at the Movies: Surgical Tribulations of a Heart Failure Patient: VAD + Transplant
2:00 PM – 2:45 PM
HALL F, CASE THEATER

Moderator: **Marc Ruel**

ABSTRACT ORAL SESSION

Surgical Revascularization for Ischemic Heart Disease I
2:00 PM – 5:10 PM
ROOM D227

2:30 PM – 2:45 PM CABG VERSUS PCI IN PATIENTS WITH DIABETES: A METAANALYSIS OF RANDOMIZED CONTROLLED TRIALS IN THE ERA OF STENTS
Subodh Verma, Bobby Yanagawa, Muhammad Ahsan, David H Fitchett, Milan Gupta, Shantanu Singh, Nandini Gupta, David A Latter, Marc Ruel, Michael E Farkouh, Jan O Friedrich

4:30 PM – 4:45 PM THE EFFECT OF CLOPIDOGREL PLUS ASPIRIN VERSUS ASPIRIN ONLY ON PROGRESSION OF NATIVE CORONARY ARTERY DISEASE 1 YEAR AFTER CABG: ANALYSIS FROM THE CASCADE RANDOMIZED TRIAL
Dai Une, Talal Al-Atassi, Alexander Kulik, Pierre Voisine, Michel Le May, Marc Ruel

ABSTRACT POSTER SESSION

Best of Basic Science Abstracts and Reception
5:00 PM – 7:00 PM
HALL F

5:00 PM – 7:00 PM GLYOXALASE-1 OVER-EXPRESSION PRESERVES CARDIAC FUNCTION POST-MI BY ENHANCING VASCULARITY AND REDUCING AGE ACCUMULATION AND CARDIOMYOCYTE APOPTOSIS
Nick JR Blackburn, Branka Vulesevic, Ali Ahmadi, Brian McNeill, Ross W Milne, Erik J Suuronen

ABSTRACT POSTER SESSION

Late-Breaking Basic Science Posters and Reception
5:00 PM – 7:00 PM
HALL F

5:00 PM – 7:00 PM EVIDENCE FOR A SHARED GENETIC DETERMINATION OF ISCHEMIC STROKE

AND CORONARY ARTERY DISEASE—A GENOME-WIDE ANALYSIS
Martin Dichgans, Rainer Malik, Inke R König, Univsklinikum Schleswig-Holstein, Jonathan Rosand, Robert Clarke, Solveig Gretarsdottir, Braxton D Mitchell, Jeanette Erdmann, Sekar Kathiresan, Ruth McPherson, Cathie Sudlow, Muredach P Reilly, John R Thompson, Pankaj Sharma, John C Chambers, Hugh Watkins, Peter M Rothwell, Robert Roberts, Hugh S Markus, Nilesh J Samani, Martin Farrall, Heribert Schunkert

CARDIOVASCULAR SEMINAR

Minimally Invasive Cardiac Surgery: Where Are We in 2013?
5:30 PM – 6:45 PM
ROOM D223

6:00 PM – 6:15 PM MINIMALLY INVASIVE CORONARY SURGERY
Marc Ruel

TUESDAY, NOVEMBER 19

ASK THE EXPERTS

Controversies in Mitral Valve Repair for Degenerative Disease
7:30 PM – 8:45 AM
ROOM D222

7:45 AM – 8:00 AM HOW FEASIBLE IS IT TO ACHIEVE A 100% REPAIR RATE?
Thierry Mesana

8:15 AM – 8:30 AM LONG-TERM RESULTS OF MITRAL REPAIR: HOW SHOULD THESE PATIENTS BE FOLLOWED UP?
Vincent Chan

CARDIOVASCULAR SEMINAR

Management of Anticoagulation and Antiplatelet Agents at the Time of Device Procedure
7:30 AM – 8:45 AM
HALL B-3

8:00 AM – 8:15 AM UPDATE ON WARFARIN AND NOVEL AC FROM CANADA
David H Birnie

ABSTRACT ORAL SESSION

Multidisciplinary Approaches to Arrhythmia Management
9:00 AM – 12:10 PM
HALL B-2

9:30 AM – 9:45 AM CAN ADAPTIVE CARDIAC RESYNCHRONIZATION THERAPY REDUCE ATRIAL FIBRILLATION RISK?
David Martin, J Harrison Hudnall, Bernd Lemke, Kazutaka Aonuma, Henry Krum, Kathy Lai-Fun Lee, Maurizio Gasparini, John Gorcsan III, David Birnie, Tyson Rogers, Alex Sambelashvili

ABSTRACT ORAL SESSION

Novel Cell, Tissue Engineering and Gene-Based Strategies for Heart Failure
9:00 AM – 12:10 PM
HALL B-5

11:00 AM – 11:15 AM TIMING OF COLLAGEN MATRIX DELIVERY HAS EFFECT ON INFLAMMATION, APOPTOSIS, ANGIOGENESIS AND PRESERVATION OF CARDIAC FUNCTION FOLLOWING MYOCARDIAL INFARCTION
Nick JR Blackburn, Tanja Sofrenovic, Drew Kuraitis, Ali Ahmadi, Helene Chiarella-Redfern, Donna T Padavan, Kim McEwan, Brian McNeill, Katey J Rayner, Marc Ruel, Erik J Suuronen

ABSTRACT POSTER SESSION

Novel Circulatory Biomarkers and Regulatory Proteins in Heart Failure
9:00 AM – 5:00 PM
HALL F, CORE 5

9:30 AM – 11:00 AM PROGNOSTIC VALUE OF INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 7 (IGFBP7) IN PATIENTS WITH HEART FAILURE: DATA FROM CORONA
Thor Ueland, Ståle Nymo, John Kjekshus, John J.V. McMurray, John Wikstrand, Ulla Wienhues-Thelen, Peter Liu, Pål Aukrust, Lars Gullestad

ABSTRACT POSTER SESSION

Novel Receptor Signaling Mechanisms and Heart Failure
9:00 AM – 5:00 PM
HALL F, CORE 5

3:00 PM – 4:30 PM NOD1/RIP2 SIGNALING REGULATES CARDIAC HYPERTROPHIC RESPONSE AFTER PRESSURE OVERLOAD STATE
Kotaro Naito, Alan Valapertti, Fayez Dawood, Mark Moon, Youan Liu, Peter P Liu

ABSTRACT POSTER SESSION

Tissue-Engineered and Cellular Therapies for Cardiomyopathy
9:00 AM – 5:00 PM
HALL F, CORE 5

3:00 PM – 4:30 PM COCOONING OF CARDIAC STEM CELLS WITHIN HYDROGEL MICROCAPSULES SUPPLEMENTED WITH INTEGRIN-BINDING PROTEINS PROMOTES CELL SURVIVAL AND POST ISCHEMIC CARDIAC FUNCTION
Audrey Mayfield, Everad Tilokee, Brian McNeill, Bu-Khanh Lam, Marc Ruel, Erik J Suuronen, David W Courtman, Duncan J Stewart, Darryl R Davis

ABSTRACT ORAL SESSION

Russell Ross Memorial Lectureship in Vascular Biology and Mechanisms of Atherosclerosis
2:00 PM – 5:00 PM
ROOM C143

4:15 PM – 4:30 PM ANTI-MIR33 THERAPY INDUCES PGC1A EXPRESSION TO REGULATE IMMUNOMETABOLIC PATHWAYS IN ATHEROSCLEROSIS AND OBESITY
Denuja Karunakaran, A. Brianne Thrush, Zongbin Wu, Michele Geoffrion, Eleni Ramphos, Kathryn J Moore, Mary-Ellen Harper, Katey J Rayner

CARDIOVASCULAR SEMINAR

Progress in Coronary Artery Surgery
5:30 PM – 6:45 PM
ROOM D227

5:30 PM – 5:45 PM SECONDARY PREVENTION AFTER CABG
Marc Ruel

6:00 PM – 6:15 PM AIMING AT THE "100% AND 0%"
Marc Ruel

WEDNESDAY NOVEMBER 20

CARDIOVASCULAR SEMINAR

Inflammation in Cardiac Disease and Remodeling
7:30 AM – 8:45 AM
HALL B-9

Moderator: **Peter Liu**

ABSTRACT POSTER SESSION

Noncoronary Vascular Imaging II
9:00 AM – 12:00 PM
HALL F, CORE 1

9:30 AM – 11:00 AM LOW AGREEMENT OF 18F-FLUORODEOXYGLUCOSE-POSITRON EMISSION TOMOGRAPHY (FDG-PET) AND CARDIAC MAGNETIC RESONANCE (CMR) IN PATIENTS WITH CONDUCTION DISEASE DUE TO CARDIAC SARCOIDOSIS
Hiroshi Ohira, David Birnie, Brian Mc Ardle, Eugene Leung, Keiichiro Yoshinaga, Ichizo Tsujino, Takahiro Sato, Hokkaido, Jordan Bernick, Osamu Manabe, Masaharu Nishimura, Nagara Tamaki, Ross Davies, Ran Klein, Ann Guo, Linda Garrard, Terrence Ruddy, Benjamin Chow, Renee Hessian, Kori Kingsbury, Rob S Beanlands, Pablo Nery

ABSTRACT ORAL SESSION

Mechanisms of Cardiomyocyte Death and Survival
9:00 AM – 12:10 PM
HALL B-8

9:15 AM – 9:30 AM SCAFFOLD PROTEIN CARD11 MODULATES RECEPTOR MEDIATED APOPTOSIS IN CARDIOMYOCYTES FOLLOWING MYOCARDIAL INFARCTION
Philip Wood, Mark Moon, Liyong Zhang, Fayez Dawood, Youan Liu, Naito Kotaro, Peter Liu

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