



UNIVERSITY OF OTTAWA
HEART INSTITUTE

INSTITUT DE CARDIOLOGIE
DE L'UNIVERSITÉ D'OTTAWA

AMERICAN HEART ASSOCIATION SCIENTIFIC SESSIONS 2015

Heart Institute Presentations and Activities Schedule



SATURDAY, NOVEMBER 7

EARLY CAREER

Everything You Wanted To Know About Developing A Career in Cardiovascular Surgery and Anesthesia
1:00 – 4:45 PM

W311EF

4:07 DEVELOPING SKILLS IN MINIMALLY INVASIVE SURGERY
Marc Ruel

SUNDAY, NOVEMBER 8

SUNDAY MORNING PROGRAM

Current and Evolving Paradigms in Clinical Cardiovascular Imaging
8:00 – 11:00 AM

W305

8:00 55 YEAR OLD MAN WITH ATYPICAL CHEST PAIN: A CASE FOR CT
Benjamin Chow

CARDIOVASCULAR SEMINAR

Managing the Emergency/Cardiogenic Shock Cardiac Surgery Patient
8:00 – 11:00 AM

W311GH

Moderator: Marc Ruel

ABSTRACT POSTER SESSION

Managing the Emergency/Cardiogenic Shock Cardiac Surgery Patient
9:00 – 6:45 PM

W311GH

9:00 KCA3.1 CHANNELS SUPPORT RESTING POTENTIAL AND PROLIFERATIVE FUNCTION DURING STORE-OPERATED CA²⁺-ENTRY IN C-KIT+ ENDOGENOUS CARDIAC STEM CELLS
Patrick Vigneault, Patrice Naud, Darryl R. Davis, Stanley Nattel

ABSTRACT POSTER SESSION

Nuclear Cardiology: Advances in SPECT and PET Imaging
9:00 – 6:45 PM

A2, CLINICAL SCIENCE

2:00 ATRIAL FIBRILLATION IS ASSOCIATED WITH INCREASED ATRIAL METABOLIC ACTIVITY ON FDG/PET IMAGING IN PATIENTS WITH ISCHEMIC CARDIOMYOPATHY

Nicolas D Santi, Rob Beanlands, Brian McArdle, Robert deKemp, Pablo Nery, Jennifer Renaud, Benjamin Chow, Renee Hessian, Ross Davies, Terrence Ruddy, Ann Guo, Tayebah Hadizad, David Birnie

2:00 INFLAMMATION IMAGED WITH [18F]-FDG PET/CTA IS RELATED TO 3D ULTRASOUND PHENOTYPES OF HIGH-RISK CAROTID PLAQUE: SUB-STUDY OF THE CANADIAN ATHEROSCLEROSIS IMAGING NETWORK (CAIN-2)

Myra S Cocker, Aaron Fenster, Robert R Hammond, Siok P Lim, Robert A deKemp, Cheemun Lum, Andrew Hill, Sudhir Nagpal, Grant Stotts, Brittany Warren, Linda Garrard, Jean DaSilva, Jean-Claude Tardif, Rob S.B. Beanlands, J. David Spence

2:00 IMPROVED ASSESSMENT OF CAD IN WOMEN WITH FLURPIRIDAZ F-18 PET MYOCARDIAL PERFUSION IMAGING: RESULTS OF SUBSET ANALYSIS OF THE FLURPIRIDAZ F-18 PHASE 3 STUDY

Gary V Heller, Jamshid Maddahi, James E Udelson, Robert Beanlands, Juhani Knuuti, Timothy M Bateman, Daniel S Berman, Joel Lazewatsky

ABSTRACT POSTER SESSION

Novel Mechanistic and Therapeutic Insights in PVD
9:00 – 6:45 PM

A2, CLINICAL SCIENCE

2:00 SEX DIFFERENCES IN GROWTH RATES OF THORACIC AORTIC ANEURYSMS

Katie Cheung, Munir Boodhwani, Kwan-Leung Chan, Luc Beauchesne, Alexander Dick, Thais Coutinho

ABSTRACT POSTER SESSION

Cardiac Regeneration: Preclinical Testing
9:00 – 6:45 PM

A2, BASIC SCIENCE

5:30 CARDIAC EXPLANT-DERIVED CELLS FROM AGED DONORS WITH ISCHEMIC CARDIOMYOPATHY DEMONSTRATE IMPAIRED CELL SURVIVAL AND THERAPEUTIC REGENERATION

Ghazaleh Rafatian, Maryam Kamkar, Richard Seymour, Patrick G. Burgon, Erik J. Suuronen, Darryl R. Davis

ABSTRACT POSTER SESSION

Functional Genomics of Cardiovascular Disease
9:00 – 6:45 PM

A2, BASIC SCIENCE

5:30 INTERFERON REGULATORY FACTOR 2 BINDING PROTEIN 2 INHIBITS MACROPHAGE INFLAMMATION AND REDUCES SUSCEPTIBILITY TO ATHEROSCLEROSIS IN MICE AND HUMANS

Ragnar O Vilmundarson, Hsiao-Huei Chen, Kianoosh Keyhanian, Xun Zhou, Majid Nikpay, Shelly A Cruz, Nihar R Pandey, Naif A. M. Almontashiri, Nida L Yap, Tiffany Ho, Chloe A Stewart, Hua Huang, Aswin Hari, Michele Geoffrion, Ruth McPherson, Katey J Rayner, Alexandre F. R. Stewart

ABSTRACT POSTER SESSION

Cell and Tissue Engineering Based Therapies
9:00 – 6:45 PM

A2, BASIC SCIENCE

5:30 THE REGENERATIVE CAPACITY OF EXPLANT-DERIVED CARDIAC STEM CELLS INVERSELY

CORRELATES WITH PATIENT RISK FOR FUTURE CARDIAC EVENTS

Audrey Mayfield, Megan Fitzpatrick, Nicholas Latham, Everad L Tilokee, Melanie Villanueva, Seth Mount, Darryl R Davis

ABSTRACT ORAL SESSION

ATVB Early Career Investigator Award Finalists
3:45 – 5:00 PM

W303

Moderator: Katey Rayner

ABSTRACT ORAL SESSION

Vivien Thomas Young Investigator Award Finalists
3:45 – 5:00 PM

W311GH

4:00 INFARCTED HEARTS RESPOND BETTER TO CARDIAC STEM CELL THERAPY AFTER PRE-TREATMENT WITH A COLLAGEN HYDROGEL
Kay Maeda, Ghazaleh Rafatian, Richard Seymour, Marc Ruel, Darryl R Davis, Erik J Suuronen

CARDIOVASCULAR SEMINAR

Updates from the 2014 AHA/ACC NSTEMI-ACS Guidelines

3:45 – 5:00 PM

W308AB

4:30 TIMING AND INTRICACIES OF SURGICAL REVASCULARIZATION AFTER NSTEMI-ACS
Marc Ruel

MONDAY, NOVEMBER 9

CARDIOVASCULAR SEMINAR

Novel Findings from Next Generation Registries
9:00 – 10:15 AM

CHAPIN THEATER

Moderator: Marc Ruel

10:00 CLOPIDOGREL ON TOP OF ASPIRIN FOR THE PREVENTION OF NEW-ONSET MIGRAINE HEADACHE ATTACKS FOLLOWING TRANSCATHETER CLOSURE OF ATRIAL SEPTAL DEFECTS: A PROSPECTIVE, RANDOMIZED, DOUBLE BLIND TRIAL (CANOA)
Josep Rodes-Cabau, Eric Horlick, Reda Ibrahim, Asim Cheema, Marino Labinaz, Najef Nadeem, Mark Osten, Melanie Cote, Donald Rivest, Alier Marrero, Christine Houde, Josep Ramon Marsal

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

ABSTRACT ORAL SESSION

Impact of Genetic Risk on Heart Disease

9:00 – 10:15 AM

W304CD

Moderator: Ruth McPherson**ABSTRACT POSTER SESSION**

Arrhythmia: Clinical Electrophysiology, Diagnosis and Risk Stratification IV

9:00 – 6:45 PM

A2, CLINICAL SCIENCE

9:00 PERI-OPERATIVE ATRIAL FIBRILLATION (POAF) COMPLICATING NON-CARDIOTHORACIC SURGERY: A SYSTEMATIC REVIEW

Joshua Wenner, Karan Bami, Himabindu Samardhi, Pablo Nery, David Birnie, Girish Nair, Calum Redpath

ABSTRACT POSTER SESSION

Arrhythmia: Clinical Electrophysiology, Diagnosis and Risk Stratification V

9:00 – 6:45 PM

A2, CLINICAL SCIENCE

9:00 EARLY REPOLARIZATION AND IMPLANTABLE CARDIOVERTER DEFIBRILLATOR EVENTS IN CARDIAC ARREST SURVIVORS WITH PRESERVED EJECTION FRACTION REGISTRY (CASPER)

Petsy P So, Brenda Gerull, Paul Angaran, Christian Steinberg, Adam Herman, Jean Champagne, Shubhayan Sanatani, Santabhanu Chakrabarti, Jeffrey S. Healey, Vijay S. Chauhan, David H. Birnie, Raymond Yee, George J. Klein, Matthew T. Bennett, Richard Leather, Michael H. Gollob, Christopher S. Simpson, Mario Talajic, Martin Gardner, Andrew D. Krahn

HYBRID SESSION

Intervention and Surgery VII

10:45 – 12:00 PM

W311GH

Moderator: David Glineur**E-ABSTRACT SESSION**

Chronic and Acute Ischemic Heart Disease II

2:00 – 3:10 PM

A2, CLINICAL SCIENCE THEATER I

2:50 A RANDOMIZED TRIAL COMPARING THE EFFECTS OF TICAGRELOR VERSUS CLOPIDOGREL ON MYOCARDIAL PERFUSION IN PATIENTS WITH CORONARY ARTERY DISEASE

Matthieu Pelletier-Galarneau, Chad RRN Hunter, Kathryn J Ascah, Rob SB Beanlands, Aun Yeong Chong, Benjamin JW Chow, Girish Dwivedi, Renee C Hessian, Glenn R Wells, Robert A deKemp, Terrence D Ruddy

E-ABSTRACT SESSION

Imaging II (Coronary CT Angiography)

3:45 – 4:55 PM

A2, CLINICAL SCIENCE THEATER I

4:05 PROGNOSTIC VALUE OF ANATOMIC VERSUS FUNCTIONAL DIAGNOSTIC TESTING IN SYMPTOMATIC PATIENTS WITH SUSPECTED CAD: THE PROMISE TRIAL (PROSPECTIVE MULTICENTER IMAGING STUDY FOR EVALUATION OF CHEST PAIN)

Udo Hoffmann, Maros Ferencik, James E Udelson, Michael H. Picard, John Heitner, Manesh R. Patel, Megan Huang, Michael Pencina, Daniel B. Mark, Christopher B. Fordyce, Jean-Claude Tardif, Matthew Budoff, George Nahhas, Benjamin Chow, Andrzej S. Kosinski, Kerry L. Lee, Pamela S. Douglas

E-ABSTRACT SESSION

Basic Science by Surgeons

3:45 – 4:55 PM

A2, BASIC SCIENCE THEATER

4:15 FUNCTIONAL BENEFITS OF CCN1-COLLAGEN MATRIX FOR THE TREATMENT OF MYOCARDIAL INFARCTION

Brian McNeill, Branka Vulesevic, Nicholas Blackburn, Marc Ruel, Erik J Suuronen L SESSION

CARDIOVASCULAR SEMINAR

Coronary Revascularization in 2015

3:45 – 5:00 PM

W311GH

4:15 COMPOSITE ARTERIAL-VEIN GRAFTS

David Glineur

4:30 MINIMALLY INVASIVE CABG

Marc Ruel

TUESDAY, NOVEMBER 10**CARDIOVASCULAR SEMINAR**

Integrated Imaging of Heart Failure

9:00 – 10:15

W305

9:45 ISCHEMIA AND VIABILITY IMAGING: STILL RELEVANT?

Lisa Mielniczuk

ABSTRACT ORAL SESSION

William W. L. Glenn Lecture

9:00 – 10:15 PM

W311EF

Moderator: Marc Ruel**ABSTRACT POSTER SESSION**

Nuclear Cardiology: New Findings from Basic Science Studies

9:00 – 6:45 PM

A2, CLINICAL SCIENCE

2:00 NORMALIZATION OF RENAL AT1 RECEPTOR EXPRESSION IS OBSERVED WITH ENALAPRIL BUT NOT DILTIAZEM IN A RAT MODEL OF CHRONIC KIDNEY DISEASE

Basma Ismail, Rob A deKemp, Etienne Croteau, Tayebah Hadizad, Kevin Burns, Rob S Beanlands, Jean N DaSilva

ABSTRACT POSTER SESSION

Hemostasis, Thrombosis and Fibrinolysis

9:00 – 6:45 PM

A2, BASIC SCIENCE

5:30 PREDICTORS OF NET ADVERSE CARDIOVASCULAR EVENTS IN PATIENTS ON TRIPLE ANTITHROMBOTIC THERAPY

Kuljit Singh, Angel Fu, Joe Abunassar, Nikita Malhotra, Benjamin Hibbert, Aun Yeong Chong, Derek So

CARDIOVASCULAR SEMINAR

Patients First: Shared Decision Making in Practice

2:00 – 3:15 PM

W204

2:00 THE STATE OF SHARED DECISION-MAKING IN CARDIOVASCULAR DISEASE

Krystina Lewis

E-ABSTRACT SESSION

Chronic and Acute Ischemic Heart Disease III

10:45 – 11:55 PM

A2, CLINICAL SCIENCE THEATER II

11:05 CLINICAL OUTCOMES IN ACUTE CORONARY SYNDROME PATIENTS FOLLOWING CORONARY ARTERY BYPASS GRAFTING IN RELATION TO TIMING OF TICAGRELOR DISCONTINUATION: INSIGHTS FROM THE CAPITAL REGISTRY

Juan J Russo, Tyler E James, Nikita Malhotra, Daniel Goubran, Fraser D Rubens, Michael Bourke, Jean-Yves Dupuis, Vincent Chan, Kuljit Singh, Marc T Ruel, Derek Y So

CARDIOVASCULAR SEMINAR

Targeted Gene Therapy for Cardiac Regeneration

10:45 – 12:00 PM

W314

11:00 TISSUE ENGINEERING FOR CARDIAC REGENERATION

Erik Suuronen

ABSTRACT ORAL SESSION

Laennec Clinician/Educator Lecture

10:45 – 12:00 PM

W305

11:05 CANADIAN MULTI-CENTER EXPERIENCE WITH WATCHMAN FOR PERCUTANEOUS LEFT ATRIAL APPENDAGE CLOSURE

Jacqueline Saw, Peter Fahmy, Lorenzo Azzalini, Jean-Francois Marquis, Benjamin Hibbert, Carlos Morillo, Aldo Carrizo, Reda Ibrahim

HYBRID SESSION

Sex Differences in Hypertension

2:00 – 3:15 PM

W206A

2:15 SEX DIFFERENCES IN ARTERIAL STIFFNESS AND ISH

Thais Coutinho

ASK THE EXPERTS

Addressing a Conundrum: Why Aren't Basic Studies of Vascular Growth Better Translated into Clinical Therapy

2:00 – 3:15 PM

W300

3:00 THE INFLUENCE OF DIABETES ON ARTERIOGENESIS

Munir Boodhwani

ASK THE EXPERTS

Update on Valve Repair Techniques

2:00 – 3:15 PM

W311GH

Moderator: Thierry Mesana**ABSTRACT ORAL SESSION**

Cardiac Regeneration: Cellular Mechanisms

3:45 – 5:00 PM

W304AB

4:00 PERSISTENCE OF TRANSPLANTED EXPLANT-DERIVED HUMAN CARDIAC STEM CELLS CONTRIBUTES TO THERAPEUTIC REGENERATION OF INJURED MYCARDIUM

Elizabeth Richardson, Seth Mount, Audrey E Mayfield, Ghazaleh Rafatian, Nicholas Latham, Duncan J Stewart, Darryl R Davis

CLINICAL SCIENCE: SPECIAL REPORTS

Managing Risk Factors for CAD – Clinical Trial Updates

3:45 – 5:03 PM

CHAPIN THEATER

4:45 DISCUSSANT OF REVASCULARIZATION IN PATIENTS WITH DIABETES AND MULTIVESSEL CORONARY ARTERY DISEASE: A POPULATION BASED EVALUATION OF OUTCOMES

Marc Ruel

ASK THE EXPERTS

Symptoms Status and Gender Considerations in Valvular Heart Disease

5:30 – 6:45 PM

W311GH

5:45 DIFFERENCES IN CLINICAL OUTCOME FOLLOWING SURGICAL REPAIR OF DEGENERATIVE MITRAL REGURGITATION BETWEEN MEN AND WOMEN

Vincent Chan

ASK THE EXPERTS

Symptoms Status and Gender Considerations in Valvular Heart Disease

5:30 – 6:45 PM

W311GH

6:00 INFLAMMATORY CARDIOMYOPATHIES

Rob Beanlands

ABSTRACT ORAL SESSION

Intervention and Surgery V: Aortic Valve

5:30 – 6:45 PM

W311EF

Moderator: Munir Boodhwani

6:15 AORTIC VALVE REPAIR IMPROVES MID-TERM OUTCOMES VERSUS REPLACEMENT FOR AORTIC INSUFFICIENCY: A PROPENSITY MATCHED STUDY

Jessica Kapralik, Kathryn McLean, Vincent Chan, Benjamin Sohmer, Marc Ruel, Thierry Mesana, Munir Boodhwani

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