



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

AMERICAN HEART ASSOCIATION SCIENTIFIC SESSIONS 2016

Heart Institute Presentations and Activities Schedule

SATURDAY, NOVEMBER 12

EARLY CAREER SESSION

Keys to Success for Every Level in Cardiovascular Surgery and Anesthesia - Session 1
1:00 - 2:30 PM

ROOM 224

2:00 DEVELOPING ADVANCED SKILLS IN CORONARY SURGERY
Marc Ruel

2:05 HOW CAN THE ANESTHESIOLOGIST HELP ENABLE SUCCESSFUL MIS VALVE AND CORONARY SURGERY?
Benjamin Sohmer

ReSS POSTER SESSION

Day 1 Section 07
1:15 - 2:45 PM

THE GREAT HALL C-D

1:15 IMPACT OF MEAN ARTERIAL PRESSURE ON CLINICAL OUTCOMES IN COMATOSE SURVIVORS OF OUT-OF-HOSPITAL CARDIAC ARREST
Juan J Russo, Tyler E James, Christina Osborne, Benjamin Hibbert, Altayyeb Yousef, Michael Froeschl, Derek Y So, Marino Labinaz, Aun-Yeong Chong, Chris Glover, Jean-Francois Marquis, Michel R Le May, Alexander Dick

ABSTRACT ORAL SESSION

Samuel A. Levine Young Clinical Investigator Award Finalists
2:00 - 3:15 PM

ROOM 245

2:00 BUNDLE BRANCH REENTRANT VENTRICULAR TACHYCARDIA: NOVEL GENETIC MECHANISMS IN A LIFE-THREATENING ARRHYTHMIA
Jason D. Roberts, Michael H. Gollub, Charlie Young, Sean P Connors, Chris Gray, Stephen B Wilton, Martin S Green, Dennis W. Zhu, Kathleen A. Hodgkinson, Annie Poon, Qiuju Li, Nathan Orr, Anthony S Tang, George J. Klein, Julianne Wojciak, Joan Campagna, Jeffrey E. Olgin, Nitish Badhwar, Vasanth Vedantham, Gregory Marcus, Pui-Yan Kwok, Rahul C. Deo, Melvin M. Scheinman

EARLY CAREER SESSION

Keys to Success for Every Level in Cardiovascular Surgery and Anesthesia - Session 2
2:30 - 5:30 PM

ROOM 224

3:20 SURGICAL EDUCATOR - WET LAB SIMULATION
Marc Ruel

EARLY CAREER SESSION

Early Career Breakouts hosted by BCVS and ATVB - Session 2
3:00 - 5:00 PM

ROOM 211-213

Moderator: Katey Rayner

SUNDAY, NOVEMBER 13

RAPID FIRE ORAL SESSION

Effective Cardiac Repair - New Ideas
1:00 - 2:10 PM

SCIENCE AND TECHNOLOGY HALL, BASIC SCIENCE THEATER

1:40 SINGLE CELL ENCAPSULATION PRIMES EXPLANT-DERIVED CARDIAC STEM CELLS TO ADOPT AN INVASIVE/MIGRATORY PHENOTYPE
Pushpinder Kanda, Duncan J Stewart, Darryl R Davis

RAPID FIRE ORAL SESSION

Strategies to Improve Quality and Outcomes in CVD
1:00 - 2:10 PM

SCIENCE AND TECHNOLOGY HALL, POPULATION SCIENCE THEATER

1:10 IMPACT OF ROUTINE HANDHELD FOCUSED CARDIAC ULTRASONOGRAPHY ON THE DIAGNOSIS AND MANAGEMENT OF HOSPITALIZED CARDIAC PATIENTS: THE CAPITAL FOCUS REGISTRY
Benjamin Hibbert, Trevor Simard, F Daniel Ramirez, Pietro Di Santo, Christopher Johnson, Michel Turek, Marino Labinaz, Benjamin Chow, Michel R Le May

ABSTRACT POSTER SESSION

Surgical Revascularization for Ischemic Heart Disease I
2:00 - 3:15 PM

SCIENCE AND TECHNOLOGY HALL, CLINICAL SCIENCE II SECTION

Poster Professor: David Glineur

ABSTRACT ORAL SESSION

ATVB Early Career Investigator Award Finalists
3:45 - 4:45 PM

ROOM 211-213

Moderator: Katey Rayner

ABSTRACT POSTER SESSION

Clinical Applications of Nuclear Cardiology
3:45 - 5:00 PM

SCIENCE AND TECHNOLOGY HALL, CLINICAL SCIENCE SECTION

3:45 PROGNOSTIC VALUE OF SPLENIC RESPONSE RATIO IN RUBIDIUM-82 POSITRON EMISSION TOMOGRAPHY MYOCARDIAL PERFUSION IMAGING
Karan Bami, Shrankhala Tewari, Fadi Guirguis, Linda Garrard, Ann Guo, Terrence D Ruddy, Robert SB Beanlands, Robert A deKemp, Benjamin JW Chow, Girish Dwivedi

CARDIOVASCULAR SEMINAR

The Heart-Team: Live on Stage
3:45 - 5:00 PM

ROOM 245

3:45 CASE BASED HEART-TEAM FOR 3 VESSEL DISEASE WITH INTERMEDIATE SYNTAX SCORE
David Glineur

ABSTRACT POSTER SESSION

Late-Breaking Basic Science Posters
4:00 - 6:00 PM

SCIENCE AND TECHNOLOGY HALL, BASIC SCIENCE SECTION

4:00 STIMULATION OF ANGIOGENESIS AND THE GENERATION OF NEW CARDIOMYOCYTES UNDERLIE THERAPEUTIC REGENERATION BY ENCAPSULATED EXPLANT-DERIVED CARDIAC STEM CELLS IN ADVANCED ISCHEMIC CARDIOMYOPATHY
Sandrine Parent, Pushpinder Kanda, Darryl R Davis

ABSTRACT POSTER SESSION

PCSK9 and LDL Biology
4:45 - 6:00 PM

SCIENCE AND TECHNOLOGY HALL, BASIC SCIENCE SECTION

4:45 PROPROTEIN CONVERTASE SUBTILISIN/KEXIN TYPE 9 MAY ASSOCIATE WITH LIPOPROTEINS THROUGH LIPID INTERACTIONS
Samantha K Sarkar, Natalie Goto, Thomas A Lagace

ABSTRACT POSTER SESSION

Cardiac Repair and Regeneration
4:45 - 6:00 PM

SCIENCE AND TECHNOLOGY HALL, BASIC SCIENCE SECTION

4:45 METHYLGLYOXAL IMPAIRS NEOVASCULARIZATION POST-MI THROUGH ECM MODIFICATION

Nick JR Blackburn, Bora Nadlacki, Branka Vulesevic, Brian McNeill, Aleksandra Ostojic, Duncan J Stewart, Michael Brownlee, Paul J Beisswenger, Ross W Milne, Erik J Suuronen

4:45 SERUM-FREE CARDIAC STEM CELLS PROVIDE A SUPERIOR THERAPEUTIC PRODUCT FOR CLINICAL TRANSLATION
Seth Mount, Darryl R Davis

MONDAY, NOVEMBER 14

ReSS POSTER SESSION

Day 3 Section 10
8:00 - 9:30 AM

THE GREAT HALL C-D

8:32 INCIDENCE AND CLINICAL IMPLICATIONS OF PNEUMONIA IN COMATOSE SURVIVORS OF OUT-OF-HOSPITAL CARDIAC ARREST: INSIGHTS FROM UNIVERSITY OF OTTAWA HEART INSTITUTE CARDIAC ARREST REGISTRY

Juan J Russo, Hany Rizk, Christina Osborne, Tyler E James, Benjamin Hibbert, Derek Y So, Michael Froeschl, Marino Labinaz, Chris Glover, Aun-Yeong Chong, Jean-Francois Marquis, Alexander Dick, Michel R Le May

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

JOINT SESSION

Alternative Treatment Strategies for Triple Vessel Disease (Joint Session with Heart and Health Foundation of Turkey)

9:00 - 10:15 AM

ROOM 218 - 219

9:30 MINIMALLY INVASIVE CABG FOR 3 VESSEL
Marc Ruel

CARDIOVASCULAR SEMINAR

New Insights in Brain Renin-Angiotensin-Aldosterone System, and its Critical Role in Cardiovascular Diseases

9:00 - 10:15 AM

ROOM 352

Moderator: Frans Leenen

9:00 EXCITATORY AND INHIBITORY NEUROMODULATORY PATHWAYS OF ALDOSTERONE AND MR: NEW ROLE IN SALT-SENSITIVE HYPERTENSION AND HEART FAILURE

Frans Leenen

ABSTRACT ORAL SESSION

William W. L. Glenn Lecture

9:00 - 10:15 AM

ROOM 252-254

Moderator: Marc Ruel

RAPID FIRE ORAL SESSION

Arrhythmia: Clinical Electrophysiology, Diagnosis and Risk Stratification I

10:30 - 11:40 AM

SCIENCE AND TECHNOLOGY HALL, CLINICAL SCIENCE THEATER

11:10 SENSITIVITY AND SPECIFICITY OF CHEST IMAGING FOR SCREENING OF SARCOIDOSIS IN PATIENTS WITH CARDIAC PRESENTATIONS: INSIGHTS FROM THE CHASM-CS REGISTRY

Juan J Russo, Pablo B Nery, Andrew C. Ha, Jeff Healey, Lena Rivard, Matthias G. Friedrich, Lorne Gula, Gerald Wisenberg, Robert deKemp, Santanu Chakraborty, Tomasz W Hruczkowski, Russell Quinn, Girish Dwivedi, Rob Beanlands, David H Birnie

ABSTRACT POSTER SESSION

Best of AHA Specialty Conferences: ATVB/PVD 2016

10:45 - 12:00 PM

SCIENCE AND TECHNOLOGY HALL, BEST OF SPECIALTY CONFERENCES SECTION

10:45 MIRNA TARGETING OF OXYSTEROL BINDING PROTEIN-LIKE 6 (OSBPL6) REGULATES CHOLESTEROL TRAFFICKING AND EFFLUX

Mireille Ouimet, Elizabeth Hennessy, Graeme Koelwyn, Coen van Solingen, Maryem Hussein, Bhama Ramkhalawon, Katey Rayner, Michael Garabedian, Ryan Temel, Lesca Holdt, Daniel Tupser, Kathryn Moore

CARDIOVASCULAR SEMINAR

CT for Risk Stratification: Recent Developments

10:45 - 12:00 PM

ROOM 343-344

11:30 CAN WE USE CT TO TAILOR PREVENTION TREATMENT?

Benjamin Chow

ABSTRACT POSTER SESSION

SPECT, PET, and CT Imaging of Atherosclerosis and Ischemia

10:45 - 12:00 PM

SCIENCE AND TECHNOLOGY HALL, CLINICAL SCIENCE SECTION

10:45 COMPARED TO C-REACTIVE PROTEIN AND HOMOCYSTEINE, [18F]-FDG PET/CTA UPTAKE IS DIRECTLY RELATED TO INTRAPLAQUE INFLAMMATORY BURDEN OF HIGH-RISK CAROTID PLAQUE: A SUB-STUDY OF THE CANADIAN ATHEROSCLEROSIS IMAGING NETWORK (CAIN-2)

Myra S Cocker, J. David Spence, Robert R Hammond, Robert A deKemp, Cheemun Lum, Andrew Hill, Sudhir Nagpal, Grant Stotts, Linda Garrard, Jean N DaSilva, Jean-Claude Tardif, Rob Beanlands

ABSTRACT POSTER SESSION

CT of the Heart: Atherosclerosis, Risk Factors, and Treatment

10:45 - 12:00 PM

SCIENCE AND TECHNOLOGY HALL, CLINICAL SCIENCE SECTION

10:45 RISK OF MYOCARDIAL INFARCTION AMONG WOMEN VERSUS MEN WITH NONOBSTRUCTIVE LEFT MAIN CORONARY ARTERY DISEASE

Joe X. Xie, Tina Varghese, Puja K Mehta, Jonathon Leipsic, C. Noel Bairey Merz, Daniel S Berman, Matthew J Budoff, Stephan Achenbach, Allison Dunning, Heidi Gransar, Tracy Q Callister, Augustin Delago, Hugo Marques, Ronen Rubinshtein, Mouaz H Al-Mallah, Daniele Andreini, Gianluca Pontone, Filippo Cademartiri, Erica Maffei, Kavitha Kavitha Chinnaiyan, Gilbert Raff, Martin Hadamitzky, Joerg Hausleiter, Gudrun Feuchtner, Yong-Jin Kim, Philipp A Kaufmann, Todd C Villines, Benjamin Chow, James K Min, Leslee J Shaw

10:45 ASSESSMENT OF CORONARY ARTERY DISEASE SEVERITY BY CORONARY COMPUTED TOMOGRAPHY ANGIOGRAPHY FOR RECLASSIFYING STATIN ELIGIBILITY BASED ON 2013 AMERICAN COLLEGE OF CARDIOLOGY/AMERICAN HEART ASSOCIATION GUIDELINES IN ASYMPTOMATIC INDIVIDUAL

Donghee Han, Briain ó Hartaigh, Heidi Gransar, Ji Hyun Lee, Asim Rizvi, Lohendran Baskaran, Joshua Schulman-Marcus, Philipp Kaufmann, Benjamin Chow, Gilbert Raff, Kavitha Chinnaiyan, Filippo Cademartiri, Erica Maffei, Todd Villines, Yong-Jin Kim, Jonathon Leipsic, Gudrun Feuchtner, Ricardo Cury, Gianluca Pontone, Daniele Andreini, Tracy Callister, Hugo Marques, Ronen Rubinshtein, Augustin DeLago, Daniel Berman, Stephan Achenbach, Leslee Shaw, Martin Hadamitzky, Joerg Hausleiter, Allison Dunning, Mouaz Al-Mallah, Matthew Budoff, Fay Y. Lin, Hyuk-Jae Chang, James K. Min

ABSTRACT POSTER SESSION

Pharmacology for ACS and PCI: Mechanistic Insights

10:45 - 12:00 PM

SCIENCE AND TECHNOLOGY HALL, CLINICAL SCIENCE II SECTION

10:45 REDUCTION OF NEOINTIMAL HYPERPLASIA WITH CLOPIDOGREL OR TICAGRELOR IN A CANINE MODEL OF CORONARY STENT IMPLANTATION

Pierre Voisine, Josep Rodes-Cabau, Marc Ruel, Christian Couture, Marina Urena, Luis Nombela, Henrique Ribeiro, Denis Simard, John Kingma

ABSTRACT POSTER SESSION

Innovations in Mitral Valve Disease

10:45 - 12:00 PM

SCIENCE AND TECHNOLOGY HALL, CLINICAL SCIENCE II SECTION

10:45 FUNCTIONAL MITRAL STENOSIS AFTER MITRAL VALVE REPAIR: COMPARISON OF COMPLETE RING WITH POSTERIOR BAND

Kwan Chan, Karen Hay

ABSTRACT POSTER SESSION

Bariatric Surgery

10:45 - 12:00 PM

SCIENCE AND TECHNOLOGY HALL, POPULATION SCIENCE SECTION

10:45 DO SCREENING ELECTROCARDIOGRAMS IN A TERTIARY BARIATRIC PROGRAM ALTER PATIENT MANAGEMENT? A RETROSPECTIVE COHORT STUDY

Daniel Goubran, Tyler James, Aun Yeong Chong, Benjamin Hibbert, Robert Dent, Judy Shiau, Derek YF So

ABSTRACT POSTER SESSION

Proteomics and Metabolomics of Cardiovascular Disease

12:45 - 2:00 PM

SCIENCE AND TECHNOLOGY HALL, BASIC SCIENCE SECTION

12:45 IDENTIFICATION OF RESIDENT CARDIAC CELL-TYPE ENRICHED PROTEOMES REVEALS NOVEL CARDIAC FIBROBLAST MARKERS IN MYOCARDIAL INFARCT ZONES

Jake Cosme, Kathryn Lipsett, Melissa Noronha, Parveen Sharma, Joshua Backx, Jason Huber, Alex Ignatchenko, Ruth Isserlin, Peter P Liu, Jeremy Simpson, Thomas Kislinger, Anthony O Gramolini

ABSTRACT POSTER SESSION

Cell, Tissue Engineering, and Gene Based Therapies II

12:45 - 2:00 PM

SCIENCE AND TECHNOLOGY HALL, BASIC SCIENCE SECTION

12:45 COLLAGEN BIOMATERIAL ENHANCES CD34+

CELL FUNCTION THROUGH MIR-21B

Brian McNeill, Aleksandra Ostojic, Marc Ruel, Katey J Rayner, Erik J Suuronen

ABSTRACT ORAL SESSION

Mitral Valve Surgery: Innovations Galore

2:00 - 3:15 PM

ROOM 245

2:15 HOW DURABLE IS REPAIR OF DEGENERATIVE MITRAL REGURGITATION IN THE YOUNG?

Vincent Chan, Elsayed Elmistekawy, Marc Ruel, Mark Hynes, Thierry Mesana

ABSTRACT ORAL SESSION

Clinical Trials in Cardiac Surgery

2:00 - 3:15 PM

ROOM 220-221

Moderator: Marc Ruel

ABSTRACT POSTER SESSION

Cellular Electrophysiology and Excitation-contraction Coupling

2:00 - 3:15 PM

SCIENCE AND TECHNOLOGY HALL, CLINICAL SCIENCE II SECTION

2:00 CONGESTIVE HEART FAILURE UPREGULATES VOLUME-DEPENDENT CHLORIDE CURRENTS IN C-KIT+ ENDOGENOUS CARDIAC STEM CELLS

Patrick Vigneault, Patrice Naud, Darryl R Davis, Stanley Nattel

ABSTRACT POSTER SESSION

Arrhythmia: Clinical Electrophysiology, Diagnosis and Risk Stratification V

2:00 - 3:15 PM

SCIENCE AND TECHNOLOGY HALL, CLINICAL SCIENCE II SECTION

2:00 ATRIAL FIBRILLATION COMPLICATING NON-CARDIOTHORACIC SURGERY (POAF) IS ASSOCIATED WITH INCREASED MORTALITY AND STROKE: A SYSTEMATIC REVIEW

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

ABSTRACT POSTER SESSION

Emerging Technologies: Digital Health Tools

2:00 - 3:15 PM

SCIENCE AND TECHNOLOGY HALL, POPULATION SCIENCE SECTION

2:00 PHOTOPLETHYSMOGRAPHY USING A SMARTPHONE APPLICATION FOR ASSESSMENT OF ULNAR PATENCY PRIOR TO TRANSRADIAL ANGIOGRAPHY

Pietro Di Santo, David T Harnett, Trevor Simard, F. Daniel Ramirez, Ali Pourdjabbbar, Altayyeb Yousef, Robert Moreland, Jordan Bernick, George Wells, Alexander Dick, Michel R Le May, Marino Labinaz, Derek Y So, Aun-Yeong Chong, Benjamin Hibbert

ABSTRACT ORAL SESSION

Novel Anti-Atherosclerotic Therapies

2:00 - 3:30 PM

ROOM 211-213

3:00 THE MIR-33 LOCUS COORDINATELY REGULATES MACROPHAGE AUTOPHAGY

Mireille Ouimet, Hasini Ediriweera, Bhama Ramkhalawon, Rangunath Singaravelu, Xianghai Liao, Christine Esau, John Pezacki, Ira Tabas, Yves Marcel, Katey Rayner, Kathryn Moore

CARDIOVASCULAR SEMINAR

Anticoagulation for Valves: The Clot Thickens

3:45 - 5:00 PM

ROOM 245

Moderator: Marc Ruel

4:30 COUMADIN, REOPERATION, OR VALVE IN VALVE: THE STATISTICS OF CHOOSING VALVE PROSTHESES

Marc Ruel

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

CARDIOVASCULAR SEMINAR

Role of PCSK9 in Cardiovascular Disease

9:00 - 10:15 AM

ROOM 211-213

9:30 EMERGING MECHANISMS OF PCSK9 LOWERING OF LDL CHOLESTEROL: BEYOND THE LDL RECEPTOR
Thomas Lagace

CLINICAL SCIENCE: SPECIAL REPORTS

Hi Impact EP Registries and Clinical Trials

10:45 - 12:00 PM

ROOM 260-262

10:45 ATRIAL SUBSTRATE MODIFICATION WITH AGGRESSIVE BLOOD PRESSURE CONTROL TO PREVENT ATRIAL FIBRILLATION (SMAC AF)

Ratika Parkash, George Wells, John Sapp, Jeffrey Healey, Jean-Claude Tardif, Isabelle Greiss, Lena Rivard, Jean-Francois Roux, David Birnie, Andrew Ha, Stephen Wilton, Iqwal Mangat, Christopher Gray, Evan Lockwood, Isabelle Nault, Martin Gardner, Anthony Tang

11:00 PREVALENCE OF SUB-CLINICAL ATRIAL FIBRILLATION USING AN IMPLANTABLE CARDIAC MONITOR IN PATIENTS WITH CARDIOVASCULAR RISK FACTORS: ASSERT II

Jeff S Healey, Marco Alings, Peter Leong-Sit, Jacob J de Graaf, David H Birnie, Michel Freericks, Andrew Ha, Atul Verma, Darryl Leong, Hisham Dokainish, Francois Philippon, Walid Barake, Kim Simek, Michael D Hill, Jia Wang, Mark Carlson, William F McIntyre

ABSTRACT ORAL SESSION

Surgical Revascularization for Ischemic Heart Disease: What's New?

10:45 - 12:00 PM

ROOM 352

Moderator: Marc Ruel

ABSTRACT POSTER SESSION

Experimental Ischemic Injury, Oxidative Stress, and Diabetic Heart Disease

12:45 - 2:00 PM

SCIENCE AND TECHNOLOGY HALL, BASIC SCIENCE SECTION

12:45 OVER EXPRESSION OF GLYOXALASE 1 PREVENTS CHRONIC HYPERGLYCEMIA INDUCED EXPLANT DERIVED CARDIAC STEM CELL DYSFUNCTION

Melanie Villanueva, Darryl R Davis

ABSTRACT POSTER SESSION

Epidemiology and Population Studies: Social Determinants, Lifestyle Factors and Health Disparities

1:30 - 2:45 PM

SCIENCE AND TECHNOLOGY HALL, POPULATION SCIENCE SECTION

1:30 THE CUMULATIVE BURDEN OF POTENTIALLY MODIFIABLE CARDIAC RISK FACTORS IS MODESTLY ASSOCIATED WITH A PERCEIVED NEED TO IMPROVE PHYSICAL HEALTH: A POPULATION-BASED STUDY OF CANADIAN ADULTS

F. Daniel Ramirez, Yue Chen, Pietro Di Santo, Trevor Simard, Pouya Motazedian, Benjamin Hibbert

CARDIOVASCULAR SEMINAR

Wound Healing in Myocardial Infarction

3:45 - 5:00 PM

ROOM 222

Moderator: Peter Liu

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