26th Annual Research Day
Program Guide

May 14, 2013
Foustanellas Auditorium
University of Ottawa Heart Institute
www.ottawaheart.ca/research-day
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Welcome to the 26th Annual Research Day

The Planning Committee welcomes you to the University of Ottawa Heart Institute (UOHI)’s 26th Annual Research Day. A long-standing tradition, Research Day is a testament to the Institute’s steadfast commitment to research excellence and is a forum for Trainees and Principal Investigators to showcase and celebrate their research accomplishments. This year, the event is officially open to all cardiovascular trainees in the Ottawa region.

We have an exciting day planned. We are honoured to have Dr. Morris Karmazyn, Canada Research Chair in Experimental Cardiology at the University of Western Ontario, as keynote speaker. We will have an opportunity to hear special lectures given by Dr. Jean DaSilva, the Institute’s 2013 Basic Science Investigator of the Year; and Dr. Benjamin Chow, 2013 Clinical Science Investigator of the Year.

On the program this year, the Trainees’ oral presentations have been organized in the four themes of the 2013-2017 ORACLE Strategic Plan (ORACLE stands for Ottawa Region for Advanced Cardiovascular Research Excellence – see Day At A Glance on page 4 for the themes). Another new feature on the program is the Innovation Award which is being piloted this year to recognize the most ‘innovative’ abstract – one that includes a new idea, process, technology, or product that could deliver on an unmet need or solve a critical problem in the field. Abstracts that have met this criterion will be rated for the Innovation Award by Judges with experience in commercialization based on novelty, market impact, and commercial potential. We expect that fine-tuning will be made to further optimize this new Innovation Award for next year and would welcome your suggestions.

This 26th Annual Research Day is taking place in conjunction with the Ottawa Heart Research Conference, held the day before Research Day on May 13. We are very pleased to have key international cardiovascular scientists from the Conference–Drs. Mark Feinberg (Brigham and Women’s Hospital); Ron Do (Harvard); Edward Fisher, Kathryn Moore, Mireille Ouimet (NYU); Murray Huff (UWO); Robert Raffai (UCSF)–attend Research Day and participate as Judges.

We are confident that the oral presentations as well as poster sessions will provide great venues to network with your colleagues and learn more about the research being done at the Heart Institute, the University of Ottawa, and other affiliated Institutes. The day will conclude with a wine and cheese networking reception and an award ceremony to recognize the best oral presentations and posters and the most innovative abstract.

We hope you will enjoy Research Day 2013!

Sincerely,

Patrick Burgon, PhD    Derek So, MD
Chair, Research Day Committee  Co-Chair, Research Day Committee
<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>8:00 – 9:00</td>
<td>Registration, Continental Breakfast, and Poster Setup</td>
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| 9:00 – 9:15 | Welcoming Address  
Dr. Robert Roberts, President and CEO, University of Ottawa Heart Institute (UOHI)  
Introduction to Research Day 2013  
Dr. Patrick Burgon, Chair, Research Day Committee, UOHI  
Ottawa Region for Advanced Cardiovascular Research Excellence (ORACLE)  
Dr. Peter Liu, Scientific Director, UOHI |
| 9:15 – 9:50 | Keynote Address  
Adventures in Heart Research: From Basic Science to Clinical Trials to Alternative Medicines  
Dr. Morris Karmazyn, Canada Research Chair in Experimental Cardiology, University of Western Ontario |
| 9:50 – 10:00 | Refreshment Break                                                       |
| 10:00 – 11:00 | Oral Presentations –ORACLE Theme 1: Personal Tailored Health Solutions  
Chair: Dr. Mia Golder, Post-Doctoral Fellow, UOHI |
| 10:00 – 10:15 | O-1  
Improved Diagnostic Accuracy When Combining Computended Tomography Angiography and Corrected Coronary Opacification in Patients with Coronary Stents  
Dr. Taylor Dowsley, Cardiac Imaging Fellow, UOHI (Supervisor: Dr. Benjamin Chow) |
| 10:15 – 10:30 | O-2  
A Novel Combined Approach Using Genetics and Clinical Variables to Predict High on-Clopidogrel Platelet Reactivity  
Nitan Garg, Medical Student, UOHI (Supervisor: Dr. Derek So) |
| 10:30 – 10:45 | O-3  
Clinical Impact of Mild Acute Kidney Injury Following Cardiac Surgery  
Dr. Elsayed Elmistekawy, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Munir Boodhwani) |
| 10:45 – 11:00 | O-4  
Efficacy of Metoprolol in Preventing Cardiovascular Complications and All-cause Mortality in Emergent Surgeries  
Dr. Louise Sun, Resident, UOHI (Supervisors: Drs. Homer Yang & George Wells) |
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<tr>
<th>Time</th>
<th>Oral Presentations –ORACLE Theme 2: Unlocking Novel Causes of Cardiovascular Disease</th>
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<tr>
<td>11:00 – 12:00</td>
<td>Chair: Dr. Mia Golder, Post-Doctoral Fellow, UOHI</td>
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<td>11:00 – 11:15</td>
<td>O-5 Caspase-dependent Pathways Governing Cardiac Hypertrophy</td>
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<td></td>
<td>Charis Putinski, PhD Candidate, OHRI</td>
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<td>(Supervisor: Dr. Lynn Megeney)</td>
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<td>11:15 – 11:30</td>
<td>O-6 Muscle Enriched A-Type Lamin Interacting Protein (MLIP) a Novel Regulator Cardiac Growth and Function</td>
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<td>Dr. Marie-Elodie Cattin, Post-Doctoral Fellow, UOHI</td>
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<td>(Supervisor: Dr. Patrick Burgon)</td>
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<td>11:30 – 11:45</td>
<td>O-7 Scaffold Protein CARD11 Modulates Receptor Mediated Apoptosis in the Myocardium following Myocardial Infarction</td>
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<td>Philip Wood, PhD Candidate, UOHI</td>
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<td>(Supervisor: Dr. Peter Liu)</td>
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<td>11:45 – 12:00</td>
<td>O-8 The Redox-sensitive Transcription Factor NRF2 (NFE2L2) Promotes a Hyperfused Mitochondrial Network</td>
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<td>Dr. Timothy Shutt, Post-Doctoral Fellow, UOHI</td>
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<td>(Supervisor: Dr. Ross Milne)</td>
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<td>12:00 – 13:00</td>
<td>Lunch</td>
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<td>Presentation and Introduction of the UOHI Investigators of the Year</td>
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<td>Chair: Dr. Derek So, Co-Chair, Research Day Committee, UOHI</td>
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<td></td>
<td>Basic Science Investigator of the Year Lecture</td>
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<td></td>
<td>Dr. Jean DaSilva (via video recording)</td>
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<td>Dr. Stephanie Thorn, Research Associate and a recent PhD graduate, will present on behalf of Dr. DaSilva who is not able to attend due to a previous engagement.</td>
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<td>Clinical Science Investigator of the Year Lecture</td>
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<td>Dr. Benjamin Chow</td>
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<td>13:00 – 14:30</td>
<td>Poster Session and Poster Judging (Track Area)</td>
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<td>(see page 10 for List of Posters)</td>
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<tr>
<td>Time</td>
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<td>14:30 – 15:30</td>
<td><strong>Oral Presentations – ORACLE Theme 3: Optimizing Technology and Human Interface in Heart Vessels</strong></td>
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<td>Chair: Dr. Jennifer Reed, Post-Doctoral Fellow, UOHI</td>
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| 14:30 – 14:45| O-9  Integrin α2β1 is Required for Synergistic Effect of Cells and Matrix Therapy in Improving the Perfusion, Viability and Function of Infarcted Hearts  
Ali Ahmadi, PhD Candidate, UOHI  
(Supervisor: Dr. Erik Suuronen) |
| 14:45 – 15:00| O-10 Intra-myocardial Delivery of Human Cardiac Stem Cells Genetically Engineered to Over-express Stromal Cell-derived Factor 1α Enhances Post-infarct Cardiac Repair  
Everad Lance Tilokee, Master’s Candidate, UOHI  
(Supervisor: Dr. Darryl Davis) |
| 15:00 – 15:15| O-11 Characterizing Coronary Endothelial Function with Micro-PET Blood Flow Imaging  
Dr. Etienne Croteau, Post-Doctoral Fellow, UOHI  
(Supervisor: Dr. Rob deKemp) |
Dr. Talal Al-Atassi, Resident, UOHI  
(Supervisor: Dr. Buu-Khanh Lam) |
| 15:30 – 16:00| **Oral Presentations – ORACLE Theme 4: Community Intervention, Health Systems and Health Policy Innovations in Cardiovascular Health** |
|              | Chair: Dr. Jennifer Reed, Post-Doctoral Fellow, UOHI                                                        |
| 15:30 – 15:45| O-13 Improving Cardiovascular Health in Family Members of Patients with Heart Disease: A Randomized Trial  
Lisa McDonnell, Master’s Candidate, UOHI  
(Supervisor: Dr. Robert Reid) |
| 15:45 – 16:00| O-14 Metabolic Syndrome and Prediction of Fatal and Non-Fatal Cardiovascular Events in a Newfoundland Population: Preliminary Findings from the NFLD MetSyn Follow-Up Study  
Penelope Turton, Master’s Candidate, UOHI  
(Supervisors: Drs. G. Marshall and George Fodor) |
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<td>16:00 – 16:45</td>
<td>Networking Reception and Poster Session</td>
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<td>16:45 – 17:00</td>
<td>Award Ceremony</td>
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<td>Chair: Dr. Peter Liu, Scientific Director, UOHI</td>
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**Oral Presentations:**
- Best Basic Science Oral Presentation
- Howard and Doris Polk Award for the Best Clinical Science / Bio-behavioural and Population Health Presentation
- Honourable Mention #1 for Basic Science Oral Presentation
- Honourable Mention #1 for Clinical Science / Bio-behavioural and Population Health Presentation
- Honourable Mention #2 for Basic Science Oral Presentation
- Honourable Mention #2 for Clinical Science / Bio-behavioural and Population Health Presentation

**Posters:**
- Best Basic Science Poster
- Best Clinical Science / Bio-behavioural and Population Health Poster

**Innovation Award**
- For the most ‘innovative’ abstract – one that includes a new idea, process, technology, or product that could deliver on an unmet need or solve a critical problem in the field

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<tr>
<td>17:00 – 17:05</td>
<td>Closing Remarks</td>
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<td>Dr. Patrick Burgon, Chair, Research Day Committee, UOHI</td>
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<tr>
<td>17:05 – 17:30</td>
<td>Poster Tear-Down</td>
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Dr. Karmazyn is a Professor at the University of Western Ontario and holds the prestigious Canada Research Chair in Experimental Cardiology.

His primary research interest focuses on understanding the mechanisms of heart failure and cardiac hypertrophy, and developing novel therapeutic strategies. His research program uses multifaceted approaches to study myocardial remodeling, the complex process of molecular, cellular, and structural changes underlining heart failure. Currently, Dr. Karmazyn and his team are investigating the role of ion dysregulation; the obesity-related peptide leptin; adenosine; nitric oxide; and epoxygenase-derived arachidonic acid metabolites in myocardial remodeling, and the potential benefit of ginseng on this complex process. The ultimate aim is to understand the molecular and cellular bases of heart failure, and apply these insights to develop effective therapeutic strategies to ultimately impact patient care.

Dr. Karmazyn's research is funded by the Heart and Stroke Foundation and the Canadian Institutes of Health Research (CIHR).
UOHI Basic Science Investigator of the Year

Jean DaSilva, PhD
Head, Radiochemistry, UOHI
Professor, Division of Cardiology, Department of Medicine and Department of Cellular and Molecular Medicine,

Dr. Jean DaSilva is a leading radiochemist and Head of the Radiochemistry Laboratory, an integral part of the University of Ottawa Heart Institute (UOHI)'s new Cardiac PET Centre. He leads the production and quality assurance of radiopharmaceuticals (also known as PET tracers) for research as well as clinical diagnostic imaging at the Institute. He is very active in his research and highly productive, with an impressive track record of publications in the last five years including three book chapters and 37 refereed papers. Dr. DaSilva also has excellent external grant support. In this last year in particular, Dr. DaSilva was successful in the exceptionally competitive CIHR’s operating grant competition and was awarded a total of over $600,000 over a five-year period 2013-2018. He is also extensively involved with mentoring trainees. Dr. DaSilva’s leadership in the area radiopharmaceutical research has helped establish the UOHI’s Cardiac PET Imaging as an internationally recognized centre amongst the top five research centres world-wide in this field.

UOHI Clinical Science Investigator of the Year

Benjamin Chow, BSc, MD, FRCPC, FACC
Staff Cardiologist, Division of Cardiology, UOHI and The Ottawa Hospital; Co-Director, Cardiac Radiology; Director, Cardiac Imaging Postgraduate Training Program, UOHI
Associate Professor, Department of Medicine, University of Ottawa
Associate Staff, Division of Nuclear Medicine; Assistant Staff, Division of Cardiology, The Ottawa Hospital

Dr. Benjamin Chow is a cardiac CT leader in Canada and a highly productive clinical scientist. His research focuses on evaluating the clinical utility of advanced cardiac imaging using CT and PET and investigating novel approaches to non-invasive testing. He has published over 82 publications in the last five years in high impact journals. As a Co-Investigator, he holds numerous external grants through CIHR, the Heart and Stroke Foundation, the Ontario Research Fund, the US National Institutes of Health, and industry funding initiatives. His exemplary research has impacted care in the clinical setting, resulting in a decreased utilization of invasive coronary angiography as well as the fine-tuning of appropriate use of cardiac CT and PET and extending their potential applications.

Dr. Chow’s expertise is recognized internationally. He serves on the prestigious Editorial Board of the Journal of the American College of Cardiology. He has mentored many Cardiac Imaging Fellows who continue to publish in significant peer-reviewed journals and have obtained academic positions at prestigious Canadian and international medical centres.
LIST OF POSTERS

Basic Science:

P-1  In Vivo and Ex Vivo Imaging Indicate Effective Injection and Retention of a Collagen Matrix in a Mouse Model of Myocardial Infarction
Ali Ahmadi, PhD Candidate, UOHI (Supervisor: Dr. Erik Suuronen)

P-2  Resistance to Weight Loss is Associated with Altered Skeletal Muscle Mitochondrial Energetics in Low Birth Weight Mice
Brittany Beauchamp, PhD Candidate, University of Ottawa (Supervisor: Dr. Mary-Ellen Harper)

P-3  MicroRNA Expression Profiles in the Generation of Endothelial Progenitor Cell Phenotypes from Circulating Mononuclear Cells
John Behbahani, PhD Candidate, Ottawa Hospital Research Institute (Supervisor: Dr. Duncan Stewart)

P-4  Attenuating Methylglyoxal Production Reduces Ischemic Injury and Improves Cardiac Function Post-MI
Nick Blackburn, PhD Candidate, UOHI (Supervisor: Dr. Erik Suuronen)

P-5  Fibrillatory and Oxidative Stress Induce Mitochondrial Hyperfusion and Criticality Associated with Altered Calcium Handling in Cultured Atrial Myocytes
Dr. Bou-Khalil, Maroun, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Calum Redpath)

P-6  MR or AT1R Gene Silencing in the PVN Markedly Attenuates Ang II-induced Hypertension in Rats
Dr. Aidong Chen, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Frans Leenen)

P-7  The Role of miR-21 in Biomaterial–Endothelial Cell Interaction in a Post-MI Environment
Helene Chiarella-Redfern, Master’s Candidate, UOHI (Supervisor: Erik Suuronen)

P-8  Cellular Stress Induces Mitochondrial Hyperfusion, Increased MAM Formation and Altered Calcium Handling in Cultured C2C12 Myotubes
Gregory Drozdzal, Medical Student, UOHI (Supervisor: Dr. Calum Redpath)

P-9  A Novel Role of GATA6 Transcription Factor in Proper Development of Aortic Valve
Lara Gharibeh, PhD Candidate, University of Ottawa (Supervisor: Dr. Mona Nemer)
P-10  Characterization of the LDL-PCSK9 Interaction: Effect of the R46L PCSK9 Loss-of-Function Mutation and Differential Binding of PCSK9 to Subclasses of LDL
Dr. Mia Golder, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Tom Lagace)

P-11  Strategies to Quantify Cardiac Stem Cell Retention after Intra-myocardial Injection
Glenn Hay, Undergraduate Student, University of Ottawa (Supervisor: Dr. Darryl Davis)

P-12  Characterization of Mice Deficient for IRF2BP2, a Transcriptional Co-repressor of IRF2
Tiffany Ho, Master’s Candidate, UOHI (Supervisor: Dr. Alex Stewart)

P-13  Paracrine Engineering of Human Cardiac Stem Cells with Insulin-like Growth Factor-1 Prevents Cell Death and Enhances Ischemic Myocardial Repair
Robyn Jackson, Master’s Candidate, UOHI (Supervisor: Dr. Darryl Davis)

P-14  Inducible Pluripotent Stem Cells as a Patient Specific in vitro Model of Atrial Rhythm Disorders
Majed Jambi, Master’s Candidate, UOHI (Supervisor: Dr. Darryl Davis)

P-15  A Molecular Approach to Investigate the Autonomic Triggers of Atrial Fibrillation
Dr. Maryam Kamkar, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Darryl Davis)

P-16  PGC1α, a Specific Target of microRNA-33, Regulates Immuno-metabolic Pathways in Atherosclerosis and Obesity
Dr. Denuja Karunakaran, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Katey Rayner)

P-17  Preventing Doxorubicin-induced Cardiotoxicity by a Novel GATA4 Partner: PEX1 Transcription Factor
Dr. Hiba Komati, University of Ottawa (Supervisor: Dr. Mona Nemer)

P-18  Blood and Cardiac Stem Cells are Stem Cells Sources with Differing Cardiomyogenic Potential
Nicholas Latham, Master’s Candidate, UOHI (Supervisor: Dr. Darryl Davis)

P-19  Identification of a Novel Pathway for Protective Effect of Resveratrol against Atherosclerosis and Obesity in LDLR-/- mice
Ai-Hsien Li, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Peter Liu)
P-20 Mitochondrial Thiol Oxidoreductase Glutaredoxin-2 is Required to Regulate Mitochondrial Energy Metabolism in the Contracting Heart
Dr. Ryan Mailloux, Post-Doctoral Fellow, University of Ottawa (Supervisor: Dr. Mary-Ellen Harper)

P-21 Degradable Polar Hydrophobic Ionic Polyurethane Promotes Endothelial and Wound Healing Phenotype of Circulating Angiogenic Cells when Co-cultured with Monocytes
Dr. Eva Mathieu, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Erik Suuronen)

P-22 Encapsulation of Cardiac Stem cells within Matrix-enriched Hydrogel Capsules Promotes Cell Survival by Preventing Detachment Induced Apoptosis
Audrey Mayfield, Master’s Student, UOHI (Supervisor: Dr. Darryl Davis)

P-23 Integration of Cysteine-rich Angiogenic Inducer 61 into Collagen Matrix Promotes the Therapeutic Potential of Circulating Angiogenic Cells
Dr. Brian McNeill, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Erik Suuronen)

P-24 High Glucose Conditions Impair the Pro-angiogenic Capacity and Post-transplant Cardiac Repair of ex vivo Proliferated Cardiac Stem Cells
Dr. André Molgat, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Darryl Davis)

P-25 Apelin Negatively Regulates Cardiac Fibrosis through Friend Leukemia Integration-1 and Vimentin post Myocardial Infarction
Mark Moon, PhD Candidate, UOHI (Supervisor: Dr. Peter Liu)

P-26 PCSK9 Degrades Low-Density Lipoprotein Receptor (LDLR) in a Cell-type Specific Manner
My-Anh Nguyen, Master’s Candidate, UOHI (Supervisor: Dr. Tom Lagace)

P-27 Functional Analysis of GWAS Data based on Biological Properties of Complex Trait Genes
Dr. Majid Nikpay, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Ruth McPherson)

P-28 Physically Cross-linked Injectable Chitosan and Collagen Derived Hydrogels for Cell Delivery and Regenerative Therapy
Dr. Donna Padavan, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Erik Suuronen)

P-29 Activity Measured as a Function of MLEM Iterations for a Dedicated Cardiac SPECT Camera
Amir Pourmoghaddas, PhD Candidate, UOHI (Supervisor: Dr. Glenn Wells)
P-30  
**Stimulation of the Wnt Pathway Enhances the Proliferation of Cardiac Stem Cells**  
Ola Qassim, Master’s Candidate, UOHI (Supervisor: Dr. Darryl Davis)

P-31  
**Advanced Donor Age Alters the Paracrine Profile of Cardiac Stem Cells**  
Ghazaleh Rafatian, PhD Candidate (Supervisor: Dr. Darryl Davis)

P-32  
**Physically Cross-linked Collagen Hydrogel for Cardiovascular Tissue Regeneration**  
Julia Ranieri, Master’s Candidate, UOHI (Supervisor: Dr. Erik Suuronen)

P-33  
**A Lymphocyte-Dependent Mode of Action for Imatinib Mesylate in Experimental Pulmonary Hypertension**  
Dr. Natalie Rundle, Post-Doctoral Fellow, OHRI (Supervisor: Dr. David Courtman)

P-34  
**Circulating Extracellular MicroRNA-26a as a Biomarker of Disease Activity in Clinical and Experimental Pulmonary Arterial Hypertension**  
Dr. Kenny Schlosser, Post-Doctoral Fellow, OHRI (Supervisor: Dr. Duncan Stewart)

P-35  
**Deficiency of Tie2 Predisposes to Severe Pulmonary Arterial Hypertension in a Model of VEGFR2 Inhibition and Chronic Hypoxia**  
Mohamad Taha, PhD Candidate, OHRI (Supervisor: Dr. Duncan Stewart)

P-36  
**Investigating the Metabolic Basis for Weight Loss Variability in Obese Humans**  
Dr. Brianne Thrush, Post-Doctoral Fellow, University of Ottawa (Supervisor: Dr. Mary-Ellen Harper)

P-37  
**Effects and Mechanistic Correlates of using a Liquefied, Injectable Porcine Submucosa Extracellular Matrix, with or without Angiogenic Cells, in a Myocardial Scar Model**  
Dr. Rashmi Tiwari-Pandey, UOHI (Supervisor: Dr. Marc Ruel)

P-38  
**Controlling Methylglyoxal to Prevent the Development of Diabetic Cardiomyopathy**  
Branka Vulesevic, PhD Candidate, UOHI (Supervisor: Dr. Erik Suuronen)

P-39  
**Identification of GATA4 Regulatory Mechanisms Associated with Heart Development and Disease**  
Jamie Whitcomb, Graduate Student, University of Ottawa (Supervisor: Dr. Mona Nemer)
KLF13, a Novel Congenital Heart Disease Candidate Gene
Dr. Abir Yamak, Post-Doctoral Fellow, University of Ottawa (Supervisor: Dr. Mona Nemer)

Derivation and Characterization of Human Peripheral Blood Derived Endothelial Progenitor Cells: Osteopontin Surface Modification and eNOS Transfection Enhances Functional Activity
Yifan Yuan, PhD Candidate, OHRI (Supervisors: Drs. David Courtman and Duncan Stewart)

Genetic Enhancement of Mesenchymal Stem Cells with Heme Oxygenase-1 for the Therapy of Pulmonary Arterial Hypertension
Dr. Alexander Zhai, Post-Doctoral Fellow, OHRI (Supervisor: Dr. Duncan Stewart)

Clinical Science / Bio-behavioural and Population Health:

Comparison of Survival and Neurologic Recovery Following Initiation of Therapeutic Hypothermia in Patients with STEMI and Patients Without STEMI
Dr. Ifrah Abdirahman, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Michel Le May)

The Assessment of Mechanical RV Dyssynchrony using Phase Analysis of RNV Imaging in Subjects with Normal and Severely Reduced LV Function
Rami Abo-Shasha, Medical Student, UOHI (Supervisor: Dr. Haissam Haddad)

Mapping and Ablation of Autonomic Ganglia in Prevention of Postoperative Atrial Fibrillation in Coronary Surgery: MAAPPS AF Randomized Control Trial
Dr. Talal Al-Atassi, UOHI (Supervisor: Dr. Buu-Khanh Lam)

Can Body Mass Index and Body Surface Area as Measures of Obesity Predict Coronary Artery Calcification?
Dr. Ahmed Aljizeeri, Cardiac Imaging Fellow, UOHI (Supervisor: Dr. Benjamin Chow)

A ‘Reduce-to-Quit’ Pilot Program for Smokers with Cerebrovascular Disease: Transitioning Smokers to Set a Quit Date
Ashley Armstrong, Master’s Candidate, UOHI (Supervisor: Dr. Andrew Pipe)

Contemporary Referral Patterns for Transthoracic Echocardiography: Barriers to Determining Appropriateness in the Echocardiography Laboratory
Behnam Banihashemi, Resident, UOHI (Supervisor: Dr. Ian Burwash)
P-49  Usefulness of Estimated Left Ventricular End Diastolic Volume (calculated from 75% phase parameters) for the Prediction of All Cause Mortality

Kevin Boczar, Medical Student, UOHI (Supervisor: Dr. Benjamin Chow)

P-50  [18F]-fluorodeoxyglucose, but not C-reactive Protein, is Related to Intraplaque Inflammatory Burden in Human Carotid Plaque: A Sub-study of the Canadian Atherosclerosis Imaging Network (CAIN)

Dr. Myra Cocker, Clinical Fellow, UOHI (Supervisor: Dr. Rob Beanlands)

P-51  Evidence for Actively Inflamed Bilateral Carotid Plaque in Patients with Advanced Atherosclerosis, Insight from [18F]-fluorodeoxyglucose Imaging: A Sub-study of the Canadian Atherosclerosis Imaging Network (CAIN)

Dr. Myra Cocker, Clinical Fellow, UOHI (Supervisor: Dr. Rob Beanlands)

P-52  The Influence of Initial Thrombolysis in Myocardial Infarction Flow Grades on Outcomes of Patients with ST-Elevation Myocardial Infarction

Dr. Esam Elbarasi, Resident, UOHI (Supervisor: Dr. Michel Le May)

P-53  The Effect of CRT Therapy on RV Function in Patients with Severe LV Dysfunction: A Matched Control Study

Tony Haddad, Medical Student, UOHI (Supervisor: Dr. Haissam Haddad)

P-54  Clinical Outcomes of Patients Classified as False Activation of Catheterization Laboratory in a Regional Primary Angioplasty Program

Dr. Nabeel Ismaeil, Resident, UOHI (Supervisor: Dr. Michel Le May)

P-55  Should We Routinely Replace Implantable Cardioverter-defibrillator Generators? Patients’ Perspectives

Krystina Lewis, Master’s Candidate, UOHI (Supervisor: Dr. David Birnie)

P-56  Aortic Valve Repair in Acute Type-A Aortic Dissection

Dr. Tarek Malas, Resident, UOHI (Supervisor: Dr. Munir Boodhwani)

P-57  Is Aortic Valve Repair Reproducible? Analysis of the Learning Curve for Aortic Valve Repair

Dr. Malas Tarek, Resident, UOHI (Supervisor: Dr. Munir Boodhwani)

P-58  Triaxial Accelerometer Cutpoints to Assess Physical Activity in Individuals with Coronary Artery Disease

Dr. Amy Mark, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Bob Reid)

P-59  Prognostic Value of Rubidium-82 Positron Emission Tomography for evaluation of patients following cardiac transplantation

Dr. Brian Mc Ardle, Clinical Fellow, UOHI (Supervisor: Dr. Benjamin Chow)
Sex-related Differences in Quality of Life Following Transcatheter Aortic Valve Implantation
Matthew McDonald, Undergraduate Student, UOHI (Supervisor: Dr. Marc Ruel)

Cost-utility Analysis of a Hospital-initiated Intervention for Smokers with Chronic Disease in Ontario, Canada
Kerri-Ann Mullen, PhD Candidate, UOHI (Supervisor: Dr. Doug Manuel)

Usefulness of 18F-Fluorodeoxyglucose-Positron Emission Tomography (FDG-PET) and Cardiac Magnetic Resonance (CMR) in Patients with Conduction Disease due to Cardiac Sarcoidosis
Dr. Hiroshi Ohira, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Rob Beanlands)

How Physically Active are Patients with Coronary Artery Disease who recently Completed Cardiac Rehabilitation?
Dr. Jennifer Reed, Post-Doctoral Fellow, UOHI (Supervisors: Drs. Bob Reid and Andrew Pipe)

Effect of Transthoracic Impedance on the Cardioversion Success Rates Using Biphasic Defibrillators
Dr. Mouhannad Sadek, Post-Doctoral Fellow, UOHI (Supervisor: Dr. David Birnie)

Surgical Ablation of Atrial Fibrillation Associated with Aortic Valve and Coronary Artery Disease: Is It Worth It?
Dr. Hadi Toeg, Resident, UOHI (Supervisor: Dr. Buu-Khanh Lam)

Finding the Ideal Biomaterial for Aortic Valve Cusp Repair
Dr. Hadi Toeg, Resident, UOHI (Supervisor: Drs. Munir Boodhwani and Michael Labrosse)

Treatment of In-stent Restenosis Using Everolimus Eluting Stents - A “Real World” Analysis
Luan Tran, Medical Student, UOHI (Supervisor: Dr. Derek So)

Can Minimally Invasive Coronary Artery Bypass Grafting Be Initiated and Practiced Safely? Learning Curve of Small Thoracotomy CABG
Dr. Dai Une, Post-Doctoral Fellow, UOHI (Supervisor: Dr. Marc Ruel)

Twenty-Year Durability of the Aortic Hancock II Bioprosthesis in Young Patients: Is it Durable Enough?
Dr. Dai Une, Post-Doctoral Fellow, UOHI (Supervisors: Drs. Marc Ruel and Tirone David)
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All Presenters and Attendees

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Drs. Mia Golder and Jennifer Reed (UOHI)

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Poster Judges
Drs. Patrick Burgon, Ian Burwash, Marie-Elodie Cattin, Vincent Chan, Rick Davies, Ross Davies, George Fodor, Mercedes Kuroske deBold, Tom Lagace, Yves Marcel, Ruth McPherson, Ross Milne, Calum Redpath, Bob Reid, Erik Suuronen, Diem Tran (UOHI); Dr. Mark Feinberg (Brigham and Women’s Hospital); Drs. Edward Fisher, Mireille Ouimet (NYU); Dr. Murray Huff (UWO); Dr. Robert Raffai (UCSF); Drs. Steve Hawken and Xiaohui Zha (OHRI); Drs. Balwant Tuana and Phil Wells (University of Ottawa); and Ms. Kathryn Williams (CHEO)

Innovation Award Judges
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