The Research Day Committee gratefully acknowledges the support of our event partners.

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Ms. Coralie Lalonde  
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Welcome to the 28th Annual Research Day

On behalf of the organizing committee, it is with great pleasure that we welcome you to the University of Ottawa Heart Institute (UOHI)’s 28th Annual Research Day. This event is open to all cardiovascular research trainees in the Ottawa region and is designed to give trainees an opportunity to showcase their outstanding research projects and network with scientists and peers.

We are excited to share with you the following program highlights:

- Keynote lecture by Dr. Gregor Andelfinger, a pediatric cardiologist and specialist in the genetics of congenital heart disease from Ste-Justine University Hospital (Montréal)
- 2015 UOHI Investigator of the Year Lecture by Dr. George A. Wells, Director, UOHI Cardiovascular Research Methods Centre
- NEW Cardiovascular Research Trainee of the Year Lectures – this new award recognizes cardiovascular research trainees who have shown excellent accomplishments in the past year. We are thrilled to have an opportunity to hear from the 2015 UOHI Trainees of the Year – see p. 14 for their profiles:
  - Naif Almontashiri, MSc (Mr. Almontashiri will defend his PhD dissertation on May 1)
  - Stephanie Prince Ware, MSc, PhD
  - Benjamin Hibbert, MD, PhD
- Coralie Lalonde Innovation Award - this prestigious award recognizes the most innovative abstract which presents a new idea, process, technology, or product that could deliver on an unmet need or solve a critical problem in the cardiovascular field. This year, eleven lay abstracts will compete in the semi-finals on Research Day (please note the Innovation Award semi-finals are open to presenters only). The top three will advance to the finals and present to all Research Day attendees. The winner will be selected by the high level finalist judging panel comprising of Mr. Ian Curry, CEO of DNA Genotek; Mr. Simon Kennedy, Deputy Minister of Health; and Ms. Coralie Lalonde, Chair of the Ottawa Heart Institute Research Corporation (OHIRC) Board, and receive a one-on-one mentoring session with Mr. Ian Curry.

With 14 oral presentations and 53 posters, we are confident that Research Day will provide a great venue to network with your colleagues and learn more about the research being done at UOHI as well as in the Ottawa region. 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 would like to thank our speakers, presenters, judges, session chairs, and organizers for making this event possible. We would also like to extend our gratitude to the Polk Family Foundation; our Silver Level Sponsors: AstraZenecaCanada Inc. and Servier Canada Inc.; and our Conference Supporters: BayerHealthcare Canada and Ms. Coralie Lalonde, for their continued and generous support.

We hope you will enjoy Research Day 2015!

Sincerely,

Alexandre Stewart, PhD                   Darryl Davis, MD
Chair, Research Day Committee           Co-Chair, Research Day Committee
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<th>Time</th>
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<tr>
<td>7:00 – 8:00</td>
<td>Registration, Continental Breakfast, and Poster Setup</td>
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<tr>
<td>8:00 – 8:15</td>
<td><strong>Welcoming Address</strong>&lt;br&gt;Dr. Thierry Mesana, President &amp; CEO, UOHI</td>
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<td><strong>Chief Scientific Officer Address</strong>&lt;br&gt;Dr. Peter Liu, VP Research &amp; Chief Scientific Officer, UOHI</td>
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<td><strong>Introduction to the 28th Annual Research Day</strong>&lt;br&gt;Dr. Alexandre Stewart, Chair, Research Day Committee, UOHI</td>
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<td>8:15 – 8:50</td>
<td><strong>Keynote Address</strong>&lt;br&gt;<em>Pediatric Cardiovascular Genetics: Lessons Learned from 10 Years of Biobanking</em>&lt;br&gt;Dr. Gregor Andelfinger, MD, PhD&lt;br&gt;Associate Research Professor, Department of Pediatrics, Université de Montréal, Centre de recherche du CHU Ste-Justine</td>
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<td>8:50 – 9:00</td>
<td><strong>Refreshment Break</strong></td>
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<td>9:00 – 10:15</td>
<td><strong>Oral Presentations – ORACLE Theme 2: Unlocking Novel Causes of Cardiovascular Disease</strong>&lt;br&gt;Chair: Dr. Ali Ahmadi, Postdoctoral Fellow, UOHI</td>
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<td>9:00 – 9:15</td>
<td><strong>O-1 Atherogenic Macrophages Transfer microRNA-containing Exosomes to Naïve Cells and Promote Macrophage Migration</strong>&lt;br&gt;Ms. My-Anh Nguyen, PhD Candidate, UOHI (Supervisor: Dr. K. Rayner)</td>
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<td>9:15 – 9:30</td>
<td><strong>O-2 Hsp70, a Novel GATA4 Interacting Partner Necessary for Cardiomyocyte Survival</strong>&lt;br&gt;Ms. Jamie Whitcomb, PhD Candidate, University of Ottawa (uOttawa) (Supervisor: Dr. M. Nemer)</td>
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<td>9:30 – 9:45</td>
<td><strong>O-3 Caspase-dependent Pathways Governing Cardiac Hypertrophy</strong>&lt;br&gt;Ms. Charis Putinski, PhD Candidate, Ottawa Hospital Research Institute (OHRI) (Supervisor: Dr. L. Megeney)</td>
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<td>9:45 – 10:00</td>
<td><strong>O-4 Metabolic Arrest during Hibernation! Cardiac Regulation of Pyruvate Dehydrogenase (PDH) in Hibernating Ground Squirrels (Ictidomys tridecemlineatus)</strong>&lt;br&gt;Ms. Sanoji Wijenayake, PhD Candidate, Carleton University (Supervisor: Dr. K. B. Storey)</td>
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<td>10:00-10:15</td>
<td><strong>O-5 Evidence for Actively Inflamed Bilateral Carotid Plaque in Patients with Advanced Atherosclerosis, Insight from $^{18}$F-Fluorodeoxyglucose Imaging: A Sub-study of the Canadian Atherosclerosis Imaging Network (CAIN)</strong>&lt;br&gt;Dr. Myra Cocker, Postdoctoral Fellow, UOHI (Supervisor: Dr. R. Beanlands)</td>
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| 10:15 – 11:00 | **Oral Presentations – ORACLE Theme 3: Optimizing Technology & Human Interface in Heart & Vessels**  
Chair: Dr. Stephanie Prince Ware, Postdoctoral Fellow, UOHI |
| 10:15 – 10:30 | **O-6 Is Bivalirudin Safe for Primary PCI in Conjunction with Therapeutic Hypothermia?**  
Dr. Mohammed Qutub, Clinical Fellow, UOHI  
(Supervisor: Dr. M. Le May) |
| 10:30 – 10:45 | **O-7 Aortic Valve Repair Improves Mid-term Outcome Compared to Valve Replacement For Aortic Insufficiency: A Propensity Matched Study**  
Ms. Jessica Kapralik, Medical Student, UOHI  
(Supervisor: Dr. M. Boodhwani) |
| 10:45 – 11:00 | **O-8 Modeling Aortic Valve Insufficiency and Aortic Valve Repair: Applications from Bench to the Operating Room**  
Dr. Hadi Toeg, Resident, UOHI  
(Supervisor: Dr. M. Boodhwani) |
| 11:00 – 11:40 | **Coralie Lalonde Innovation Award Finalists & Award Presentation**  
Chair: Ms. Coralie Lalonde, Chair, OHIRC Board  
The three finalists will be selected from the semi-final rounds (more details on the semi-finals on p. 17).  
The winner will be presented with the prize. |
| 11:40 – 13:00 | **Lunch / Dr. Robert Roberts Award of Research Excellence/ Investigator and Trainees of the Year Lectures**  
Chair: Dr. Alexandre Stewart, Chair, Research Day Committee, UOHI |
| 11:40 – 11:55 | **Lunch** |
| 11:55 – 12:00 | **Robert Roberts Award of Research Excellence**  
Award recipient: Dr. Marc Ruel, Chief, Division of Cardiac Surgery, UOHI  
Presented by: Dr. Thierry Mesana, President & CEO, UOHI |
| 12:00 – 12:10 | **UOHI 2015 Trainee of the Year Lectures**  
Mr. Naif Almontashiri, PhD Candidate (Supervisor: Dr. A. Stewart) |
| 12:10 – 12:20 | Dr. Stephanie Prince Ware, Postdoctoral Fellow (Supervisor: Dr. B. Reid) |
| 12:20 – 12:30 | Dr. Benjamin Hibbert, Interventional Cardiology Fellow  
(Supervisor: Dr. D. So) |
| 12:30 – 12:40 | Q&A for the Trainees Panel |
| 12:40 – 13:00 | **UOHI 2015 Investigator of the Year Lecture**  
Dr. George A. Wells, Director, Cardiovascular Research Methods Centre |
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| 13:00 – 14:30 | **Poster Session and Poster Judging (Track Area)**  
(see page 18 for List of Posters)  |
| 14:30 – 15:00 | **Oral Presentations – ORACLE Theme 4: Community Intervention, Health Systems and Health Policy Innovations in Cardiovascular Health**  
Chair: Ms. Tara Linseman, MSc Candidate, UOHI  |
| 14:30 – 14:45 | O-9  
**Impact of Centre Experience on Patient Radiation Exposure during Transradial Coronary Angiography and Percutaneous Intervention: A Patient-level, International, Collaborative, Multi-centre Analysis**  
Dr. Trevor Simard, Resident, UOHI  
(Supervisor: Dr. D. So)  |
| 14:45 – 15:00 | O-10  
**Degree of Objectively Measured Sedentary Time and Its Association with Markers of Cardiometabolic Health among Patients with Coronary Artery Disease**  
Dr. Stephanie Prince Ware, Postdoctoral Fellow, UOHI  
(Supervisor: Dr. B. Reid)  |
| 15:00 – 16:00 | **Oral Presentations – ORACLE Theme 1: Personal Tailored Health Solutions**  
Chair: Mr. Nick Blackburn, PhD Candidate, UOHI  |
| 15:00 – 15:15 | O-11  
**Validation of Heart Failure Prediction Tool in Cardio-oncology Breast Cancer Population**  
Dr. Moira Rushton-Marovac, Resident, TOH  
(Supervisor: Dr. S. Dent)  |
| 15:15 – 15:30 | O-12  
**A Randomized Study for Optimizing Crossover From Ticagrelor To Clopidogrel in Patients With Acute Coronary Syndrome: The CAPITAL OPTI-CROSS Study**  
Dr. Ali Pourdjabbar, Resident, UOHI  
(Supervisor: Dr. D. So)  |
| 15:30 – 15:45 | O-13  
**Genetic and Sex Related Differences in Severe Pulmonary Arterial Hypertension Induced by SU5416 in a Hyper-Responsive Sub-Strain of Sprague Dawley Rats**  
Dr. Ketul R Chaudhary, Postdoctoral Fellow, OHRI  
(Supervisor: Dr. D. Stewart)  |
| 15:45 – 16:00 | O-14  
**Fatty Acid Oxidation Inhibition as a Potential Novel Treatment Strategy in Pulmonary Artery Hypertension and Right Heart Failure**  
Dr. Ali Ahmadi, Postdoctoral Fellow, UOHI  
(Supervisor: Dr. L. Mielniczuk)  |
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<td>Networking Reception and Poster Session</td>
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<td>16:45 – 17:00</td>
<td>Award Ceremony</td>
<td>Chair: Dr. Darryl Davis, Co-Chair, Research Day Committee, UOHI</td>
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<td>• Howard and Doris Polk Award for the Best Clinical Science / Bio-behavioural &amp; Population Health Presentation</td>
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<td>• Servier Award for Best Basic Science Oral Presentation</td>
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<td>• Best Basic Science Poster</td>
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<td></td>
<td>• AstraZeneca Award for Best Clinical Science / Bio-behavioural &amp; Population Health Poster</td>
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<td></td>
<td>• Oral Presentation and Poster Honourable Mentions</td>
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<td>17:00 – 17:05</td>
<td>Closing Remarks</td>
<td>Dr. Alexandre Stewart, Chair, Research Day Committee, UOHI</td>
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<td>17:05 – 17:30</td>
<td>Poster Tear-Down</td>
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Gregor Andelfinger, MD, PhD
Associate Research Professor, Department of Pediatrics, Université de Montréal, Centre de recherche du CHU Sainte-Justine

Dr. Andelfinger obtained his medical degree from the University of Ulm, Germany, and trained in paediatrics in Germany and Switzerland. He received his paediatrics degree from the University of Geneva, Switzerland, and trained in paediatric cardiology at the CHU Sainte Justine, Université de Montréal, as well as the Medical University of South Carolina, Charleston, USA. This clinical training raised his interest in the causes of congenital heart and vascular diseases, leading to two postdoctoral fellowships in the fields of cardiovascular genetics (D. Woodrow Benson, MD, PhD, Cincinnati Children’s Hospital, OH, USA) and molecular cardiovascular biology (M. Nemer, PhD, IRCM, Montréal, QC, Canada). During this time, he made seminal contributions in the area of aortic valve disease and Andersen syndrome, a rare rhythm disorder. His work on the statistical genetic analysis of bicuspid aortic valve, the most prevalent cardiac malformation, remains among the most cited articles in the field and paved the way for the application of modern genetic technologies to study this disease.

Dr. Andelfinger took up a position at CHU Sainte Justine, Montréal, QC, in 2006 and has established the first Canadian biobank specifically geared towards the investigation of the genetics of congenital heart disease in a province-wide effort. This biobank has been instrumental in the study of a wide variety of diseases and has recruited more than 3,000 patients and family members to date. Dr. Andelfinger’s laboratory pursues two main interests, namely in aortic diseases and rare diseases. In the first large-scale study on the role of a more common form of genetic variability termed copy number variants in aortic disease, he has identified genetic origins in 10% of the families studied. Most importantly, the genes identified in this study also point a genetic origin of the vascular disease manifestations that are often observed in these families. In both human and animal studies of heart disease, it is precisely this complex character of cardiovascular phenotypes which is in the center of Dr. Andelfinger’s interest. As an example, he has contributed to the study of gene-dosage effects in atrial septal defects, another common heart malformation, and in a mouse model of bicuspid aortic valve.

In a recent seminal contribution, Dr. Andelfinger and his collaborators have recently identified the first generalized human dysrhythmia, a hitherto unknown condition that affects both heart rate and intestinal movements. The disease, which has been named "Chronic Atrial and Intestinal Dysrhythmia" (CAID)
syndrome, is a very rare and serious condition caused by a mutation in the gene shugoshin-like 1 (SGOL1). This finding shows that a single, master gene in the human body governs heart and gut rhythm contractions and identifies an entirely novel molecular cascade for pacemaking in the human body.

Besides his clinical practice and translational research work centered on human genetics, Dr. Andelfinger also maintains a very active interest in basic cardiovascular research. His laboratory has recently shown that pathological vessel growth in the injured retina is modulated through a receptor called PAR2. Moreover, sorting of this receptor through a molecule called SNX11 influences the way vascular cells respond to injury. The main interest of Dr. Andelfinger’s lab in this and similar ongoing projects lies in the identification of trafficking steps in molecular cascades that are druggable through small molecules.

Dr. Andelfinger’s work has been recognized by all major funding agencies, including the CIHR, FRQS, Heart and Stroke Foundation of Canada, FRSQ, Canadian Foundation for Innovation and Fondation GO. He is member of the Transatlantic Network of Excellence ‘Mechanistic Interrogation of Bicuspid Aortic Valve associated Aortopathy’, a highly competitive award of the Fondation Leducq. He also is the recipient of the National Bank Research Chair of Cardiovascular Genetics at CHU Sainte Justine. He is regularly involved in patient advocacy, a member of the Editorial Board of the Canadian Journal of Cardiology and of the Medical Advisory Board of the Canadian Marfan Association. His expertise is requested by major funding agencies both nationally and internationally.
Marc Ruel, MD, MPH, FRCSC, FAHA
Chief, Division of Cardiac Surgery, UOHI
Professor, Surgery, Epidemiology, Cellular & Molecular Medicine, University of Ottawa

Biography of Dr. Marc Ruel
Dr. Marc Ruel is the P. Michael Pitfield Chairman of the Division of Cardiac Surgery at the University of Ottawa Heart Institute. He holds the rank of Full Professor of Surgery, with cross-appointments in Epidemiology, and Cellular and Molecular Medicine. He was born in Québec City, received his medical doctor degree from the University of Ottawa in 1994, and his certification in cardiac surgery in 2000. He pursued minimally invasive surgery and translational research training at Harvard Medical School, and completed a Masters in Quantitative Methods at the Harvard School of Public Health.

Dr. Ruel’s surgical areas of predilection include minimally invasive coronary and valve procedures, as well as complex and repeat cardiac operations. He introduced several novel cardiac surgical techniques internationally, developed a successful translational regenerative medicine program, and conducted numerous studies on the outcomes of valve and coronary surgery. His laboratory has been funded by the Canadian Institutes of Health Research for the last 12 years. Dr. Ruel received many awards, including the Gold Medal in Surgery from the Royal College of Physicians and Surgeons of Canada, and the Queen Elizabeth II Diamond Jubilee Medal.

Dr. Ruel has published over 210 peer-reviewed papers, and wrote textbooks on Cardiac Surgery Techniques and Cardiac Regeneration. He is the Surgery Scientific Program Chair at the American Heart Association, the Editor of the Circulation Surgical Supplement, and serves on the executive of the Society of Thoracic Surgeons and the American Association for Thoracic Surgery.

Dr. Robert Roberts Award of Research Excellence
The Robert Roberts Award recognizes a Heart Institute investigator who published in the preceding year a peer reviewed, original research paper that has a high impact on cardiovascular science.

Dr. Ruel's high impact paper, titled "Impact of Clopidogrel Plus Aspirin versus Aspirin Alone on the Progression of Native Coronary Artery Disease after Bypass Surgery: Analysis from the Clopidogrel After Surgery for Coronary Artery Disease (CASCADE) Randomized Trial", was published in Circulation in September 2014.
This paper is amongst a number of important publications that have directly resulted from the multicentre CASCADE trial, and highlights close collaborations between cardiac surgery (Dr. Ruel and colleagues at the UOHI and Dr. Voisine in Québec City) and cardiology (Dr. Le May at the UOHI and colleagues in Québec City).

The work that culminated in this practice-changing publication reported on patients who were randomized to receive aspirin plus clopidogrel, or aspirin plus placebo, for one year after coronary artery bypass grafting (CABG). The study showed that the addition of clopidogrel to aspirin correlates with better angiographic outcomes for patients, and brings a detailed understanding of the evolution of native coronary artery disease after bypass surgery. These findings help to guide antiplatelet therapy and secondary prevention after bypass surgery, which was instrumental in establishing a new, recently published AHA scientific statement on secondary prevention after CABG, and are informing practice that improves care for our patients here at UOHI, as well as at other centres internationally.
George A. Wells, PhD
Director, Cardiovascular Research Methods Centre
Professor, School of Epidemiology, Public Health and Preventive Medicine and Department of Medicine, University of Ottawa

Dr. George Wells is the Director, Cardiovascular Research Methods Centre at the UOHI, and a Professor in the School of Epidemiology, Public Health and Preventive Medicine and Department of Medicine at the University of Ottawa. Dr. Wells’ interests are in the design and analysis of multicentre clinical trials, methodology related to health care delivery, systematic reviews and network meta-analysis, economic evaluations, health technology assessment and the development and assessment of decision support technologies for patients and clinicians.

Dr. Wells holds a remarkable track record, having held 248 peer reviewed grants either as a Principal or Co-Investigator. Most recently, Dr. Wells was successful in securing his largest peer reviewed funding to date of $26M over five years as a Co-Principal Investigator on the Canadian Arrhythmia Network (CANet), a Network of Centres of Excellence, in collaboration with colleagues at the UOHI and Dr. Anthony Tang at Western University.

Dr. Wells has collaborated widely and published nearly 700 papers in peer reviewed journals. His h-index, an indication of a scientist's productivity level and citation impact, is in the über high range, at 95 (typically, an h-index of a successful scientist is ~20; an h-index of an outstanding scientist is ~40).

Dr. Wells has taught at the graduate and undergraduate level for 30 years and has supervised over 80 graduate students.

Dr. Wells has been on the executive and steering committees of national and international research programs, external safety and efficacy monitoring committees, scientific grant review committees, editorial committees and scientific advisory committees. He is currently the Associate Editor of the Journal of Clinical Epidemiology and on the Editorial Committee of the Canadian Medical Association Journal. He has worked extensively with national and international government and non-government research organizations, as well as pharmaceutical and biotechnology industries.

This tremendous success has not gone unnoticed in the wider research community in Canada and globally. Dr. Wells has received many prestigious external accolades. He was awarded the University of Ottawa Excellence in Research Award in 2013/14; the Canadian Institutes of Health Research (CIHR) and Canadian Medical Association Journal (CMAJ) Top Achievement in Health Research in 2011, amongst other awards. In 2014, Dr. Wells was recognized as one of the 400 most influential medical researchers in the past decade.
Naif Almontashiri, MSc
PhD Candidate (Supervisor: Dr. Alexandre Stewart), UOHI

Naif Almontashiri is completing his PhD* in the molecular genetics program at the John and Jennifer Ruddy Canadian Cardiovascular Genetics Centre at the UOHI. His PhD dissertation is focused on the functional characterization of the common genetic variants from the genome-wide association studies (GWAS) of coronary artery disease (CAD) such as the 9p21.3 and SPG7 risk variants.

Naif has made significant contributions to the research program with which he is affiliated. During this last year of his doctoral study, Naif published two high impact, first-authored papers. In “SPG7 Variant Escapes Phosphorylation-Regulated Processing by AFG3L2, Elevates Mitochondrial ROS, and Is Associated with Multiple Clinical Phenotypes” published in Cell Reports in May 2014, together with his supervisor, Dr. Alexandre Stewart, Naif identified a novel mechanism by which a variant in the mitochondrial protein, SPG7, increases the risk of coronary artery disease by increasing the production of reactive oxygen species. In the PLOS ONE paper titled “Plasma PCSK9 Levels Are Elevated with Acute Myocardial Infarction in Two Independent Retrospective Angiographic Studies” published in September 2014, Naif et al showed for the first time that PCSK9, a protein that increases the levels of LDL (the bad cholesterol), is elevated in the acute phase of myocardial infarction in two large and independent cohorts.

In the trainee community, Naif mentors more junior trainees in his group. He is involved with the UOHI Trainee Committee since its inception and has assisted with many trainee-related events.

Naif has received many awards, including the Council of Arab Ambassadors League in Science and Technology Award this year. Last year, he was selected to participate in the 64th Lindau Nobel Laureate Meeting held in Lindau, Germany.

Naif was recently awarded a two-year fellowship in Clinical Molecular Genetics with the Harvard Medical School Genetics Training Program (accredited by the American Board of Medical Genetics), and will take up his postdoctoral position in June 2015.

*Naif Almontashiri’s PhD defense is scheduled for May 1, 2015.
Dr. Stephanie Prince Ware is a post-doctoral research fellow with the Division of Prevention and Rehabilitation and a part-time professor at the University of Ottawa. She is also the co-chair of the UOHI Trainee Committee. She holds a bachelor degree in Human Kinetics from the University of Ottawa, a Masters of Science in Epidemiology from Queen’s University and a PhD in Population Health from the University of Ottawa.

Dr. Prince Ware’s research interests include the epidemiology and measurement of health behaviours, specifically sedentary time and physical activity, population health approaches to primary and secondary disease prevention, clinical and community health behaviour change interventions. Her current research projects include the quantification and examination of sedentary behaviours in individuals who have completed cardiac rehabilitation and systematic reviews looking at determinants of sedentary behaviours and moderate-to-vigorous physical activity. She hopes to be able to identify important modifiable determinants of sedentary time, examine the relationship between sedentary time and cardiometabolic health, and design health interventions to target these behaviours.

In the past year, Dr. Prince Ware was awarded Fellowships from the Canadian Institutes of Health Research and the Heart and Stroke Foundation of Canada, and the Strategic Research Endowed Fellowship from the UOHI. In the past year, she has published six papers including five as first or second author and has presented her work at several conferences including the Canadian Cardiovascular Congress and the Canadian Obesity Network Meeting.
Dr. Benjamin Hibbert received his Honours Bachelor of Science in Biology with specialization in Biotechnology in 2002 from the University of Ottawa – receiving the University Gold Medal and Thomas F. Lapierre Award for highest standing in a bachelor program. Subsequently, he went on to pursue his MD at the University of Ottawa, graduating in 2006 followed by training in Internal Medicine serving as Chief Resident in 2009. Most recently, he completed his residency training in Adult Cardiology at UOHI where he served as Chief Resident in his final year. Dr. Hibbert recently obtained his PhD in Biochemistry under the supervision of Dr. Edward O’Brien. Dr. Hibbert is currently completing a clinical fellowship in Interventional Cardiology.

Dr. Hibbert’s research truly bridges the realms of basic and clinical science to formulate clinically relevant questions which will translate to better patient care.

Dr. Hibbert had an exemplary year for research productivity in 2014-15. He published 22 peer reviewed articles; seven of which were first author papers. Several of these key papers were published in collaboration with other trainees as first co-authors.

In collaborating with other trainees, Dr. Hibbert plays an instrumental role in enabling more junior trainees to acquire new skills to further develop their research careers.

Dr. Hibbert will join the UOHI Division of Cardiology as staff Interventional Cardiologist and Clinician Scientist starting in July 2015.
Coralie Lalonde Innovation Award Semi-finals
Multimedia Room H-2373
Open to Innovation Award presenters only
Chair: Dr. Tofy Mussivand, Chair & Director, Cardiovascular Devices Program, UOHI

9:00 – 9:10
I-1 A Novel Pig Model of a Leaky Heart Valve: Implications for Surgical Valve Repair
Dr. Hadi Toeg, Cardiac Surgery Resident, UOHI
(Supervisor: Dr. Munir Boodhwani)

9:10 – 9:20
I-2 Identifying Active Calcification using Sodium Fluoride Positron Emission Tomography (PET) Imaging
Dr. Myra Cocker, Postdoctoral Fellow, UOHI
(Supervisor: Dr. Rob Beanlands)

9:20 – 9:30
I-3 Designing a Better Camera: Limited-Angle Nuclear Cardiac Imaging
Ms. Sarah Cuddy-Walsh, PhD Candidate, UOHI
(Supervisor: Dr. Glenn Wells)

9:30 – 9:40
I-4 SLMAP1: A New Regulator of Sugar Metabolism in Heart
Mr. Aaraf Dewan, MSc Candidate, uOttawa
(Supervisor: Dr. Balwant Tuana)

9:40 – 9:50
I-5 Aortic Valve Repair Improves Patient Risk and Quality of Life Compared to Valve Replacement for Aortic Insufficiency
Ms. Jessica Kapralik, MD Candidate, UOHI
(Supervisor: Dr. Muni Boodhwani)

9:50 – 10:00
I-6 Hibernating Hearts: A Mammalian Heart Model Capable of Withstanding What Most Mammalian Hearts Cannot
Mr. Bryan Luu, PhD Candidate, Carleton University
(Supervisor: Dr. Kenneth B. Storey)

10:00 – 10:10
I-7 Predicting Heart Failure in Breast Cancer
Dr. Moira Rushton-Marovac, Resident, The Ottawa Hospital (TOH)
(Supervisor: Dr. Susan Dent)

10:10 – 10:20
I-8 Modeling Leaky Aortic Valve and Aortic Valve Repair: Applications from Basic Research to the Operating Room
Dr. Hadi Toeg, Cardiac Surgery Resident, UOHI
(Supervisor: Dr. Munir Boodhwani)

10:20 – 10:30
I-9 What is the Best Long-Term Surgical Option in Patients with Atrial Fibrillation
Dr. Hadi Toeg, Cardiac Surgery Resident, UOHI
(Supervisor: Dr. Buu-Khanh Lam)

10:30 – 10:40
I-10 Hibernating to Survive Freezing! The Story of How a Small Mammal (13-line Ground Squirrel) Tackles the Big Problem of Starvation and Freezing
Sanoji Wijenayake, PhD Candidate, Carleton University
(Supervisor: Dr. Kenneth B. Storey)

10:40 – 10:50
I-11 Transcatheter Aortic Valve Implantation in Patients with Bicuspid Aortic Valve: A Patient level Multi-Center Analysis
Dr. Altayyed Yousef, Cardiology Resident, UOHI
(Supervisor: Dr. M. Labinaz)
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Ms. Thara Ali, BSc Hon Candidate, UOHI  
(Supervisor: Dr. Erik Suuronen)

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Ms. Darlene Antoine, MSc Candidate, UOHI  
(Supervisor: Dr. Alexandre Stewart)

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Mr. Nick Blackburn, PhD Candidate, UOHI  
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Mr. Aaraf Dewan, MSc Candidate, uOttawa  
(Supervisor: Dr. Balwant Tuana)

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Dr. Mirabelle Ho, Postdoctoral Fellow, OHRI  
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Mr. Zach Lister, MSc Candidate, UOHI
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Mr. James E. Podrebarac, MSc Candidate, UOHI
(Supervisor: Dr. Erik Suuronen)
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(Supervisor: Dr. Glenn Wells)

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Ms. Justina Pupkaite, PhD Candidate, UOHI
(Supervisor: Dr. Erik Suuronen)

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Mr. Fawaz Saleh, MSc Candidate, UOHI
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Ms. Samantha Sarkar, MSc Candidate, UOHI
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(Supervisor: Dr. Duncan Stewart)

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(Supervisor: Dr. Duncan Stewart)

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(Supervisor: Dr. Ruth McPherson)

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Dr. Altayyeb Yousef, Resident, UOHI  
(Supervisor: Dr. Marino Labinaz)
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Dr. Gregor Andelfinger (Ste-Justine University Hospital). Drs. Thierry Mesana, President & CEO; Peter Liu, VP Research & Chief Scientific Officer; Alexandre Stewart; Darryl Davis (UOHI).

Innovation Award Judges & On-site Coordinator
Finalist Judges: Ms. Coralie Lalonde, Chair, OHIRC Board; Mr. Ian Curry, CEO, DNA Genotek; Mr. Simon Kennedy, Deputy Minister of Health. Mentor to the Innovation Award winner: Mr. Ian Curry (DNA Genotek). Semi-final Session Chair: Dr. Tofy Mussivand (UOHI). Semi-finalist Judges: Dr. Patrick Burgon (UOHI); Mr. Joe Irvine and Dr. Louise Laramée (uOttawa); Mr. Hugh Winsor (UOHI Board). On-site Panel Coordinator: Ms. Aisha Weaver, Director, Legal Affairs (UOHI).

Oral Presentation Session Chairs
Dr. Ali Ahmadi, Dr. Stephanie Prince Ware, Ms. Tara Linseman, Mr. Nick Blackburn (UOHI)

Oral Presentation Judges
Dr. Gregor Andelfinger (Ste-Justine University Hospital). Basic Science: Drs. Tom Lagace, Erik Suuronen, Alexandre Stewart (UOHI); Dr. Mary-Ellen Harper (uOttawa). Clinical Science and Bio-behavioural & Population Health: Drs. Darryl Davis, Andrew Pipe, Marc Ruel (UOHI).

Poster Judges
Basic Science: Drs. Ali Ahmadi, Emilio Alarcon, Patrick Burgon, Darryl Davis, Benjamin Hibbert, Tom Lagace, Frans Leenen, Katey Rayner, David Smyth, Erik Suuronen (UOHI); Dr. Lynn Megeney (OHRI); Dr. Ran Klein (TOH). Clinical Science and Bio-behavioural & Population Health: Drs. Sharon Chih, Thais Coutinho, Girish Dwivedi, Fraser Rubens, Louise Sun (UOHI); Dr. Elena Pena Fernandez (TOH).
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