







32nd ANNUAL

Ottawa Cardiovascular Research Day

May 13, 2019

Foustanellas Auditorium University of Ottawa Heart Institute



The Ottawa Cardiovascular Research Day Committee gratefully acknowledges the support of our event partners:

SILVER LEVEL SPONSOR



BRONZE LEVEL SPONSOR



CONFERENCE SUPPORTERS

The Polk Family Foundation

Ms. Coralie Lalonde







Contents

Welcome	3
Planning Committee	4
Program Overview	5
Keynote Speaker	9
Ottawa Region Trainee of the Year	10
Poster Presentations: Basic Science	11
Poster Presentations: Clinical Science	14
Special Thanks	19

Welcome

On behalf of the planning committee, it is with great pleasure that we welcome you to the 32nd Annual Ottawa Cardiovascular 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 projects and network with scientists and peers.

We are excited to share the following program highlights:

- Keynote lecture by Dr. Milica Radisic, esteemed Biomaterials and Biomedical Engineering Researcher and Professor at the University of Toronto
- Ottawa Region's Cardiovascular Trainee of the Year Lecture given by Dr. Janet Ngu, Cardiac Surgery Resident, Division of Cardiac Surgery
- The Coralie Lalonde Innovation Award Finals, held in the Foustanellas Auditorium and open to all event attendees. This award recognizes innovative ideas and trainees' ability to effectively communicate to a lay audience. Attend to hear your colleagues pitch their work to a panel of external judges!
- Investigator of the Year and Roberts Awards have been moved to the Research Celebration annually held in December

With 11 abstract talks and 62 posters, we are confident the Ottawa Cardiovascular Research Day is a great venue to network with colleagues and learn more about the work being done in the Ottawa region. The day will conclude with a networking session, and an awards ceremony to recognize the best oral presentations and posters.

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 all sponsors for their generous support: the Polk Family Foundation, Ms. Coralie Lalonde, the University of Ottawa Faculty Of Medicine, and our Silver Level Sponsor: Akcea Therapeutics, and Bronze Level Sponsor: AstraZeneca.

Sincerely,

Erik Suuronen, PhD

Eik Suurov

Chair, Research Day Committee

Sharon Chih, MBBS, PhD, FRACP Co-Chair, Research Day Committee

Planning Committee

Erik Suuronen, PhD

Chair, Research Day

Scientist, Cardiovascular Tissue Engineering Laboratory, UOHI | Director, Biomaterials and Regeneration Program, Division of Cardiac Surgery, UOHI | Associate Professor, Department of Surgery & Department of Cellular and Molecular Medicine, University of Ottawa

Sharon Chih, MBBS, PhD, FRACP

Co-Chair, Research Day

Advanced Heart Failure &
Transplantation Cardiologist, UOHI |
Medical Director, Mechanical Circulatory
Support Program, UOHI | Assistant
Professor, Department of Medicine,
University of Ottawa

Cassie Roeske, MSc

Organizer, Research Day Research Resource Officer | Research Services, UOHI

Anne-Claire Duchez, PhD

Postdoctoral Fellow, UOHI

Richard Jung

MD/PhD Candidate, UOHI

AnhThu Dang

PhD Candidate, UOHI

Caitlin Lazurko

MSc Candidate, UOHI

Sabrina Robichaud

MSc Candidate, UOHI

Trainee Committee

UOHI



Program Overview

7:00 – 8:00	Registration, Morning Snack & Poster Setup
8:00 – 8:15	Opening Remarks Dr. Erik Suuronen, Chair, Research Day Committee, UOHI Chief Scientific Officer Address Dr. Peter Liu, VP Research & Chief Scientific Officer, UOHI Welcome Address Dr. Thierry Mesana, CEO & President, UOHI
8:15 – 9:30	Oral Presentation Session #1 Linkage to ORACLE Themes: Precision Medicine & Big Data & Artificial Intelligence Chair: Dr. Mohammad Al-Khalaf, Postdoctoral Fellow, UOHI
	O-1 Combining aortic size with measures of aortic stiffness and pulsatile hemodynamics enhances prediction of future thoracic aortic aneurysm expansion Dr. Tina Zhu, Clinical Fellow, UOHI Supervisor: Dr. Thais Coutinho
	O-2 Persistent LV Mechanical Dyssynchrony Portends a Poor Prognosis Post CRT: a RAFT Substudy Dr. Aws Almufleh, Cardiology Resident, UOHI, Supervisor: Dr. Gary Small
	O-3 Regulation of voltage-gated Na+ current by Wnt signalling in healthy and Brugada Syndrome human cardiomyocytes Dr. Aizhu Lu, Postdoctoral Fellow, UOHI Supervisor: Dr. Wenbin Liang
	O-4 The Role of Irx5 in Establishing Ventricular Transmural Gradients Ms. Yena Oh, PhD Candidate, UOHI Supervisor: Dr. Han Kim
	O-5 Functional relationship of CARS2 locus to Coronary Artery Disease Ms. AnhThu Dang, PhD Candidate, UOHI Supervisor: Dr. Ruth McPherson

0.20 40.45	Health Break			
9:30 – 10:15	Poster Session & Poster Judging #1			
10:15 – 11:00	Coralie Lalonde Innovation Award Finalists' Pitches Moderator & Judge: Dr. Mireille Ouimet Chair & Member of Judging Panel: Ms. Coralie Lalonde, CEO, Katsura Investments			
	I-1 Correcting patient motion during cardiac PET imaging using PeTrack Mr. Spencer Manwell, PhD Candidate, Carleton University Supervisor: Dr. Rob deKemp I-2 How a lipid could be a therapy of a cardiovascular disease called atherosclerosis Dr. Anne-Claire Duchez, Postdoctoral Fellow, UOHI Supervisor: Dr. Katey Rayner I-3 A novel strategy to correct the key defect causing sudden deaths in Brugada Syndrome patients Dr. Aizhu Lu, Postdoctoral Fellow, UOHI Supervisor: Dr. Wenbin Liang I-4 MicroRNA Biosignatures in Cardiac Allograft Vasculopathy Dr. Aws Almufleh, Cardiology Resident, UOHI Supervisor: Dr. Sharon Chih			
11:00 – 11:25	Lunch			
11:25 – 11:55	Ottawa Cardiovascular Research Trainee of the Year Lecture A Cardiac Surgery & Research Trainee: Lessons I've Learned Along the Journey Dr. Janet Ngu, Cardiac Surgery Resident, UOHI Chair: Dr. Peter Liu, VP Research & Chief Scientific Officer, UOHI			
11:55 – 12:00	Presentation of the Coralie Lalonde Innovation Award to the Winner Presented by: Ms. Coralie Lalonde, CEO, Katsura Investments			

12:00 – 13:00	KEYNOTE LECTURE Organ-on-a-Chip Engineering & Injectable Tissues Milica Radisic, PhD Professor and Canada Research Chair Tier 2 Institute of Biomaterials and Biomedical Engineering, University of Toronto Principal Investigator, Laboratory for Functional Tissue Engineering, Toronto General Hospital Research Institute Chair: Dr. Erik Suuronen, Chair, Research Day Committee, UOHI
13:00 – 14:00	Health Break
10.00	Poster Session & Poster Judging #2
14:00 – 14:45	Oral Presentation Session #2 Linkage to ORACLE Theme: Discovery & Translational Innovations Chair: Ms. AnhThu Dang, PhD Candidate, UOHI
	O-6 Anti-inflammatory lipid mediator resolvin D1 decreases regulated cell death necroptosis in atherosclerosis Dr. Anne-Claire Duchez, Postdoctoral Fellow UOHI, Supervisor: Dr. Katey Rayner
	O-7 Infarcted hearts treated with methylglyoxal scavenger-loaded collagen hydrogel exhibit less inflammation greater vascularity and improved function Ms. Cagla Eren Cimenci, PhD Candidate, UOHI Supervisor: Dr. Erik Suuronen
	O-8 Regulation of Glucose Metabolism via the Intra-Islet Dipeptidyl Peptidase 4 – Incretin Axis Ms. Evgenia Fadzeyava, MSc Candidate, UOHI Supervisor: Dr. Erin Mulvihill
14:45 – 15:30	Oral Presentation Session #3 Linkage to ORACLE Theme: Healthy Diverse Populations Chair: Ms. Natasha Trzaskalski, PhD Candidate, UOHI
	O-9 The Effect Of A Single Bout Of Aerobic Exercise On Arterial Stiffness And Central Hemodynamics In Adults With Diabetes: A Randomized Controlled Cross-Over Design Study Dr. Kimberley Way, Postdoctoral Fellow, UOHI Supervisor: Dr. Jennifer Reed
	O-10 The use of placenta pathology to identify women at high- risk of cardiovascular disease following preeclampsia Ms. Erika Mery, BSc Candidate, University of Ottawa Supervisor: Dr. Shannon Bainbridge

	O-11 Efficacy of cost-free pharmacotherapy for smoking cessation for high-risk smokers with cerebrovascular disease Dr. Lisa Cotie, Postdoctoral Fellow, UOHI Supervisor: Dr. Bob Reid
15:30 – 16:15	Refreshment Break and Networking Reception
16:15 – 16:30	Awards Ceremony Chair: Dr. Sharon Chih, Co-Chair, Research Day Committee, UOHI
	Dr. Yves Marcel Award for Best Basic Science Oral Presentation Howard & Doris Polk Award for Best Clinical Science / Biobehavioural & Population Health Oral Presentation Award for Best Basic Science Poster Award for Best Clinical Science / Bio-Behavioural & Population Health Poster Awards for Honourable Mentions
16:30 – 16:35	Closing Remarks Dr. Erik Suuronen, Chair, Research Day Committee, UOHI
16:35 – 16:50	Poster Tear-Down

Keynote Speaker



Milica Radisic, PhD

Professor and Canada Research Chair Tier 2

Institute of Biomaterials and Biomedical Engineering, University of Toronto

Principal Investigator, Laboratory for Functional Tissue Engineering, Toronto General Hospital Research Institute

Dr. Milica Radisic obtained her B.Eng. from McMaster University and Ph.D. from the Massachusetts Institute of Technology. She is a Fellow of the Royal Society of Canada-Academy of Science, Canadian Academy of Engineering and the American Institute for Medical and Biological Engineering, and has received numerous awards and fellowships including MIT Technology Review Top 35 Innovators Under 35. Dr. Radisic was a recipient of the Professional Engineers Ontario-Young Engineer Medal in 2011, Engineers Canada Young Engineer Achievement Award in 2012, Queen Elizabeth II Diamond Jubilee Medal in 2013 and NSERC E.W.R Steacie Fellowship in 2014.

The long-term objective of Dr. Radisic's research is to enable cardiovascular regeneration through tissue engineering and development of new biomaterials. Her research interests also include microfluidic cell separation and development of in vitro models for drug testing, and her research findings have been presented in over 160 research papers, reviews and book chapters with h-index of 54 and over 10,000 citations. Currently, Dr. Radisic holds research funding from CIHR, NSERC, CFI, ORF, NIH, and the Heart and Stroke Foundation.

She is also the Associate Chair-Research for the Department of Chemical Engineering and Applied Chemistry at the University of Toronto and Director of the NSERC CREATE Training Program in Organ-on-a-Chip Engineering and Entrepreneurship.

Dr. Radisic is an Associate Editor for ACS Biomaterials Science & Engineering, and a member of the Editorial Board of Tissue Engineering, Advanced Drug Delivery Reviews and Regenerative Biomaterials. She serves on review panels for Canadian Institutes of Health Research and the National Institutes of Health, and is actively involved with BMES (Cardiovascular Track Chair in 2013 and 2104) and TERMIS-AM (Council member, Chair of the Membership Committee). Dr. Radisic was a co-organizer of a 2017 Keystone Symposium, "Engineered Cells and Tissues as Platforms for Discovery and Therapy" and is a co-founder of a New York-based company TARA Biosystems that uses human engineered heart tissues in drug development and safety testing for major pharmaceutical companies. Dr. Radisic serves on the Board of Directors for Ontario Society of Professional Engineers and TARA Biosystems.

Ottawa Region Trainee of the Year



Janet Ngu, M.D., M.Sc.

Cardiac Surgery Resident

University of Ottawa Heart Institute

Dr. Janet Ngu is a final-year Cardiac Surgery Resident at the University of Ottawa Heart Institute (UOHI). Dr. Ngu had a tremendous year in 2018-19, where her research success was exemplified by several papers published in high impact, peer reviewed specialty journals. Of note was a first-authored paper in the *European Journal of Cardiothoracic Surgery* describing short and long term outcomes of bilateral internal thoracic artery skeletonization in coronary artery bypass surgery. As the junior principal author of the study, Dr. Ngu led the design of the research and made key contributions to many aspects of the project including complex data analysis. It was this project that led her to the Young Investigator Award at the European Association of Cardio-Thoracic Surgery Annual Meeting in Vienna. At the Canadian Cardiovascular Congress in the fall of 2018, Dr. Ngu was recognized with the prestigious Paul Cartier Resident Award; this honour is presented to a resident who has demonstrated the highest degree of research accomplishment during their training and a great potential for a distinguished career in cardiac surgery research.

Dr. Ngu mentors junior trainees and is involved with undergraduate medical student and cardiac surgery resident boot camps. She presently supervises an anesthesiology resident and a medical student; serves on the Cardiac Surgery Residency Program Recruiting Committee; and stood on the UOHI Board of Directors' Quality of Care Committee for the last 4 years. She has served as a reviewer for the Collins Surgical Research Day, the Canadian Cardiovascular Congress Abstract Review Committee, and the *Journal of Thoracic Surgery*. Dr. Ngu is a member of the International Society for Minimally Invasive Cardiothoracic Surgery, Canadian Cardiovascular Society, Canadian Society of Cardiovascular Surgeons, and College of Physicians & Surgeons of Ontario.

Dr. Ngu has published 21 peer reviewed papers in high impact journals including *Circulation* and the *Journal of Thoracic Cardiovascular Surgery*. She has presented 21 abstracts at local, national, and international conferences, and written a book chapter on Minimally Invasive Coronary Artery Bypass Grafting Surgery.

Dr. Ngu's success to date is a testament to her dedication in balancing research and clinical training demands and overcoming challenges. In 2017, Dr. Ngu was interviewed on national television by CTV when a segment featured the inspiring story of Dr. Ngu who is continuing to overcome enormous obstacles to achieve her goals, including surmounting her hearing impairment using her gift of enhanced observation - a striking quality that sets her apart from others. Dr. Ngu is a leader and an inspiration for us all, having dedicated her life toward mending hearts and saving lives.

Poster Presentations: Basic Science

P-1 Preliminary Evaluation of Matrix Metalloproteinase-13 as a Target for Imaging Atherosclerosis

Mr. Rami Al Haddad, MSc Candidate, UOHI

Supervisor: Dr. Benjamin Rotstein

P-2 DNA Damage Activates Inflammation via the cGAS-STING Pathway Inducing Cardiac Remodeling and Senescence

Dr. Mohammad Al-Khalaf, Postdoctoral Fellow, UOHI

Supervisor: Dr. Peter Liu

P-3 Kernel-Based Dynamic Cardiac PET Image Reconstruction of C-11-Hydroxyephedrine

Ms. Zahra Ashouri, PhD Candidate, UOHI

Supervisor: Dr. Robert deKemp

P-4 Exploring alternate conformations of PCSK9: effects on LDL and LDL receptor binding

Mr. Ikhuosho Asikhia, MSc Candidate, UOHI

Supervisor: Dr. Thomas Lagace

P-5 The Role of Human miR1908-5p on Cholesterol Metabolism

Ms. Kaitlyn Beehler, MSc Candidate, UOHI

Supervisor: Dr. Ruth McPherson

P-6 Regulation of necrosome components by microRNAs

Ms. Mary Lynn Cottee, MSc Candidate, UOHI

Supervisor: Dr. Katey Rayner

P-7 Understanding the role of mitochondria fusion and fission in macrophage polarization through the use of microRNAs

Mr. Shan Dhaliwal, Undergraduate Student, UOHI

Supervisor: Dr. Katey Rayner

P-8 Effects of Glyoxalase-1 (GLO1) over-expression on cardiac function in GATA6 heterozygous mice

Dr. Godwin Dogbevia, Postdoctoral Fellow, UOHI

Supervisor: Dr. Erik Suuronen

P-9 Identifying the genetic determinants and autophagic forms of macrophage lipophagy

Mr. Garrett Fairman, MSc Candidate, UOHI

Supervisor: Dr. Mireille Ouimet

P-10 Imaging Valvular Matrix Remodeling to Predict Progression of Aortic Stenosis and CAVD

Mr. Gedaliah Farber, MSc Candidate, UOHI

Supervisor: Dr. Benjamin Rotstein

P-11 Wnt Signaling Inhibits T-Type Calcium Channels in Cardiomyocytes

Ms. Kaya Gaudet, MSc Candidate, UOHI

Supervisor: Dr. Wenbin Liang

P-12 Role of Tbx5 in proliferation and differentiation of skeletal muscle cells

Ms. Massomeh Sheikh-Hassani, PhD Candidate, University of Ottawa

Supervisor: Dr. Mona Nemer

P-13 Role of GLP-1R and GLP-2R signaling in intestinal nutrient absorption

Mr. Antonio Hanson, Undergraduate Student, University of Ottawa

Supervisor: Dr. Erin Mulvihill

P-14 A collagen-based patch containing electroconductive nanogold for repair of the infarcted heart

Dr. Katsuhiro Hosoyama, Postdoctoral Fellow, UOHI Supervisors: Drs. Erik Suuronen & Emilio Alarcon

P-15 Absence of Heat Shock Factor-1 modulates Survival and Inflammation Post-Myocardial Infarction

Ms. Supriya Hota, MSc Candidate, University of Ottawa Supervisor: Dr. Peter Liu

P-16 Engineered modification of nanoporous gel microcapsules for optimized treatment of diseased cardiovascular tissue

Mr. Erik Jacques, Research Assistant, UOHI

Supervisor: Dr. Emilio Alarcon

P-17 Hepatic Inflammation and Kupffer Cell Apoptosis Stimulate Shedding of DPP4

Ms. Natasha Jeraj, Undergraduate Student, University of Ottawa

Supervisor: Dr. Erin Mulvihill

P-18 Multilayered Hybrid Biomaterial for the Treatment of Diabetic Foot Ulcers

Ms. Caitlin Lazurko, MSc Candidate, University of Ottawa

Supervisor: Dr. Emilio Alarcon

P-19 Clodronate-induced Kupffer Cell Apoptosis increases Circulating DPP4

Ms. Cassie Locatelli, Undergraduate Student, University of Ottawa

Supervisor: Dr. Erin Mulvihill

P-20 Wnt signaling inhibits cardiac Na+ current by direct and indirect suppression of Scn5a gene expression

Dr. Aizhu Lu, Postdoctoral Fellow, UOHI

Supervisor: Dr. Wenbin Liang

P-21 Whole-body motion correction in cardiac PET/CT using Positron Emission Tracking: a phantom validation study

Mr. Spencer Manwell, PhD Candidate, Carleton University

Supervisor: Dr. Rob deKemp

P-22 Biomimetic photoactivated materials for tissue repair

Dr. Christopher McTiernan, Postdoctoral Fellow, UOHI

Supervisor: Dr. Emilio Alarcon

P-23 Remotely Activated Bio-responsive peptide based matrices for soft tissue repair

Dr. Marcelo Munoz, Postdoctoral Fellow, UOHI

Supervisor: Dr. Emilio Alarcon

P-24 Collagen Hydrogel Therapy Post-MI: Repeated Injections Vs One Injection

Ms. Justina Pupkaite, PhD Candidate, UOHI

Supervisor: Dr. Erik Suuronen

P-25 Wnt Activator 6-bromoindrubin-3oxime Enhances Explant Derived Cells Proliferation and Post-Ischemic Cardiac Repair in Adult Murine Hearts

Ms. Ola Qassim. MSc Candidate. UOHI

Supervisor: Dr. Darryl Davis

P-26 Knockdown of the Mixed Lineage Kinase Domain-Like Protein (MLKL) Enhances Extramedullary Hematopoiesis to Increase Atherosclerosis

Dr. Adil Rasheed, Postdoctoral Fellow, UOHI

Supervisor: Dr. Katey Rayner

P-27 Eating Up the Plaque: Foam Cell Lipid Droplet Catabolism

Ms. Sabrina Robichaud, MSc Candidate, UOHI

Supervisor: Dr. Mireille Ouimet

P-28 Automated Synthesis and Validation of [18F]mFBG for Cardiac Sympathetic Denervation Imaging

Mr. Uzair Sayani, MSc Candidate, UOHI Supervisor: Dr. Beniamin Rotstein

P-29 Collagen-based injectable hydrogels for treatment of myocardial infarction

Dr. Veronika Sedlakova, Postdoctoral Fellow, UOHI

Supervisor: Dr. Erik Suuronen

P-30 Mitochondrial fission and fusion in inflammatory macrophage polarization: role in atherosclerosis

Ms. Leah Susser, MSc Candidate, UOHI Supervisors: Drs. Katey Rayner & Mireille Khacho

P-31 Identification of Novel Natural Substrates of Dipeptidyl Peptidase-4 in Cardiovascular Disease

Ms. Natasha Aleksandra Trzaskalski, PhD Candidate, UOHI

Supervisor: Dr. Erin Mulvihill

P-32 A Deletion Polymorphism in Interferon Regulatory Factor 2 Binding Protein 2 that Confers Risk for Coronary Atherosclerosis Disrupts Binding of RNA-binding Proteins Following Innate Immune Activation

Mr. Ragnar Vilmundarson, PhD Candidate, UOHI

Supervisor: Dr. Alexandre Stewart

P-33 Wnt5a overexpression leads to action potential prolongation in adult rat cardiomyocytes

Mr. Jerry Wang, MSc Candidate, UOHI

Supervisor: Dr. Wenbin Liang

P-34 Beta Receptor Blockade Fails to Recover Ventricular Function Despite Increased Pre-synaptic Sympathetic Nervous System Function in Experimental Pulmonary Arterial Hypertension.

Mr. Jason Zelt, PhD Candidate, UOHI Supervisor: Dr. Lisa Mielniczuk

P-47 GATA6-dependent Sinoatrial Node dysfuntion predisposes to Atrial Fibrillation

Ms. Lara Gharibeh, Postdoctoral Fellow, University of Ottawa

Supervisor: Dr. Mona Nemer

Poster Presentations: Clinical Science

P-35	MicroRNA	Biosignatures	in Cardiac	Allograft	Vasculopathy

Dr. Aws Almufleh, Resident, UOHI Supervisor: Dr. Sharon Chih

P-36 Appropriate versus inappropriate de-escalation of P2Y12 inhibitor therapy post percutaneous coronary intervention: a retrospective cohort study.

Dr. Quinton Barry, Resident, UOHI

Supervisor: Dr. Derek So

P-37 Measures of Aortic stiffness Central Blood Pressure and Pulsatile Arterial Load Predict Future Thoracic Aortic Aneurysm Growth: Results from a Prospective Cohort Study

Dr. Kevin Boczar, Resident, UOHI Supervisor: Dr. Thais Coutinho

P-38 Patient and spousal caregiver quality of life after a cardiac event and cardiac rehabilitation

Dr. Karen Bouchard, Postdoctoral Fellow, UOHI Supervisor: Dr. Heather Tulloch

P-39 Do the DAPT and precise-DAPT scores provide condordant recommendations for duration of P2Y12 inhibitor treatment after percutaneous coronary intervention?

Dr. Rene Boudreau, Resident, University of Ottawa

Supervisor: Dr. Derek So

P-40 Comparing Outcomes Following 1 Year of Dual Antiplatelet Therapy in Patients with High and Low PRECISE-DAPT Scores

Dr. Rene Boudreau, Resident, University of Ottawa Supervisor: Dr. Derek So

P-41 Examining the relationship between gender-role orientation and clinical outcomes in patients with coronary artery disease enrolled in cardiac rehabilitation

Dr. Daniele Chirico, Postdoctoral Fellow, UOHI Supervisor: Dr. Jennifer Reed

P-42 Coronary artery calcium detection using oncology 18F-FDG PET/ CT scans predicts cardiac events in cancer survivors.

Ms. Huda El Mais, Clinical Research Coordinator, UOHI Supervisor: Dr. Gary Small

P-43 Evaluating the Chest Pain Evaluation Protocol at The Ottawa Hospital

Dr. Angel Yi Nam Fu, Resident, The Ottawa Hospital Supervisors: Drs. Chris Johnson & Nadine Gauthier

P-44 Bleeding and ischemic outcomes in patients on concurrent warfarin or direct oral anticoagulants with P2Y12 inhibitor post percutaneous coronary intervention: findings in a real world cohort

Dr. Angel Yi Nam Fu, Resident, The Ottawa Hospital

Supervisor: Dr. Derek So

P-45 Peri-operative and long-term morbidity and mortality for elderly patients undergoing thoracic aortic surgery

Dr. Ming Hao Guo, Resident, UOHI Supervisor: Dr. Munir Boodhwani

P-46 Single versus Multiple Arterial Revascularization in Patients with Reduced Renal Function: Long-Term Outcome Comparisons in 23 406 CABG patients from Ontario Canada.

Dr. Yukihiro Hayatsu, Clinical Fellow, UOHI

Supervisor: Dr. Marc Ruel

P-48 Sex Differences in Long-Term Survival After Major Cardiac Surgery: A Population-Based Cohort Study

Ms. Amy Johnston, Research Methodologist, UOHI

Supervisor: Dr. Louise Sun

P-49 Characterization of patients readmitted to the Cardiac Surgery Intensive Care Unit

Ms. Hanah Lamothe-Kipnes, MD Candidate, University of Ottawa

Supervisor: Dr. Vynka Lash

P-50 Utility of In-Patient Telemetry for Subclinical Arrhythmia

Mr. Brennan Sai Hin Mao, MD Candidate, UOHI

Supervisor: Dr. Calum Redpath

P-51 The Diagnostic Accuracy of Focused Cardiac Ultrasound: A Systematic Review & Meta-analysis

Dr. Jeffrey Marbach, Resident, UOHI Supervisor: Dr. Benjamin Hibbert

P-52 Strategies to Optimize Post-Operative Atrial Fibrillation (STOP AFib) Reduces New-Onset Atrial Fibrillation in Patients Undergoing Elective Cardiac Surgery

Mr. Adam Merlo, MD Candidate, UOHI

Supervisor: Dr. Diem Tran

P-53 Cardiovascular Risk Assessment in Pilots

Dr. Andrew Mulloy, Resident, University of Ottawa

Supervisor: Dr. Andreas Wielgosz

P-54 Impact of revascularization versus medical therapies on left ventricular functional recovery in patients with reduced ejection fraction and coronary artery disease: A systematic review & network meta-analysis

Dr. Janet Ngu, Resident, UOHI Supervisor: Dr. Louise Sun

P-55 Device-measured physical activity sedentary behaviour and cardiometabolic health and fitness across occupational groups: a systematic review and meta-analysis

Dr. Stephanie Prince Ware, Postdoctoral Fellow, UOHI

Supervisor: Dr. Bob Reid

P-56 Central Hypertension in Patients with Thoracic Aortic Aneurysms Without Established Diagnosis of Hypertension: Prevalence and Association with Aneurysm Size

Mr. Jasjit Rooprai, MD Candidate, UOHI

Supervisor: Dr. Thais Coutinho

P-57 Sex-Based Differences in Outpatient Specialist Referral Patterns of Heart Failure Patients: A Scoping Review

Mr. Jasjit Rooprai, MD Candidate, UOHI

Supervisor: Dr. Louise Sun

P-58 Are hospital nurses in the Champlain region of Ontario at risk of not meeting Canadian strength training and aerobic physical activity guidelines?

Mr. Kyle Scott, PhD Candidate, UOHI

Supervisors: Drs. Jennifer Reed & Kristi Adamo

P-59 Does metformin therapy influence the effects of intensive lifestyle intervention? Exploring the interaction between first line therapies in the Look AHEAD trial

Dr. Tasuku Terada, Postdoctoral Fellow, UOHI

Supervisor: Dr. Jennifer Reed

P-60 A sex-difference evaluation of an Aerobic Interval Training Cardiac Rehabilitation program in adults with heart disease

Ms. Sol Vidal Almela, PhD Candidate, UOHI

Supervisor: Dr. Jennifer Reed

P-61 Pulmonary Artery Pulsatility Index Predicts the Need for De Novo Post-Operative Renal Replacement Therapy

Dr. George Wharmby, Resident, University of Ottawa

Supervisor: Dr. Louise Sun

P-62 Assessing Mortality Risk in Pulmonary Arterial Hypertension: From Heart to Kidney

Mr. Jason Zelt, PhD Candidate, UOHI Supervisor: Dr. Lisa Mielniczuk

Berkman Library



Available for your publication, research and clinical care. Articles or books not immediately available to you can be quickly obtained.

Seamless access to e-resources
The Library's computers provide seamless access to the University's electronic resources without a username or password.

Training

Personal or group training on searching for literature, using databases, locating full-text, reference management software, bibliometrics, etc.

Systematic review
Support in question refinement, search strategy development, and review management software.

House calls
Got a question about research or research materials? Your librarian will come to you!



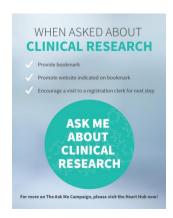




Planning a new research study? Have you thought how to incorporate a **Patient Partner** on your team?

We have a database of willing volunteers eager to be Patient Partners. Email us for more information!

Visit the **Heart Hub** to learn more about **Patient Partners** and our "Ask Me About Clinical Research" Campaign



Contact us

Sharon Finlay (Manager) sfinlay@ottawaheart.ca ext. 18686

Megan Reilly (Officer) <u>megreilly@ottawaheart.ca</u> ext. 14572

Special Thanks





CONFERENCE SUPPORTERS

Bio-Rad Laboratories

Fisher Scientific

Miltenyi Biotec

Thermo Fisher

The Polk Family Foundation

Ms. Coralie Lalonde

University of Ottawa Faculty of Medicine

ALL PRESENTERS & ATTENDEES

RESEARCH DAY SPEAKERS

Dr. Milica Radisic, University of Toronto;

Drs. Thierry Mesana, CEO & President; Peter Liu, VP Research & Chief Scientific Officer; Erik Suuronen; Sharon Chih; Janet Ngu (UOHI)

INNOVATION AWARD JUDGES

Ms. Coralie Lalonde, CEO, Katsura Investments; Mr. Richard Deboer; Mr. Simon Kennedy, Deputy Minister, Health Canada; Drs. Mireille Ouimet, Bob Reid (UOHI)

INNOVATION AWARD REVIEWERS & SESSION MODERATOR

ORAL PRESENTATION SESSION CHAIRS

ORAL PRESENTATION JUDGES

POSTER JUDGES

ABSTRACT REVIEWERS

PHOTOGRAPHY

Mr. Ammar Jayashy, 7th Dimension Studio

ORGANIZING STAFF

UOHI Office of Research Services

SUPPORT STAFF

Communications; IT Department; French Language Services; Tickers Catering