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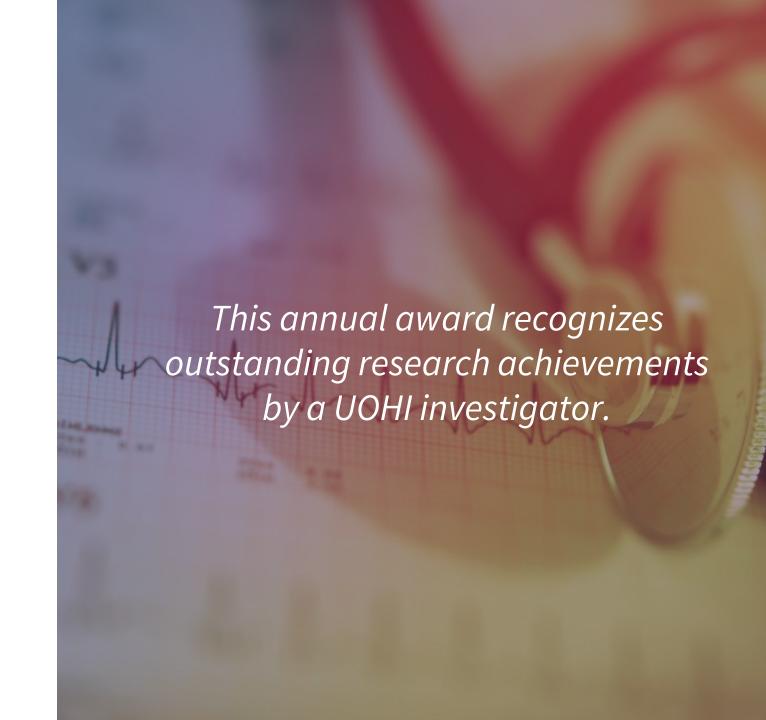
What an extraordinary year 2023 has been! Our research teams have once again demonstrated their commitment to both scientific excellence and translational impact. As a result, they are putting the Heart Institute at the leading edge of the world's innovation front. With peer-reviewed funding coming from ever-wider ranging and competitive sources - from the Ontario Centre of Innovation to Mitacs and NSERC Innovation grants - our capacity to turn brilliant ideas into better patient care and products continues to flourish. Our establishment as a hub of the CIHR Pan-Canadian Women's Health Coalition recognizes our leadership in reducing disparities in cardiovascular outcomes. Our trainees are leading the way in attracting prestigious awards that recognize their amazing talent, and our investigators owned the podium in the Faculty of Medicine's Awards for Excellence.

Over the last several years, we've attracted considerable funding and attention to our efforts to build research capacity, networks, and partnerships to tackle a critical problem identified by our patients: breaking down the traditional silos between brain and heart research and care. These two are in fact deeply interconnected, in ways we are just beginning to explore in depth. Our patients also urged us to identify the causes, and institute earlier diagnosis and treatments for these conditions for them and their loved ones. In 2023, our foundational work came to fruition in the creation of the Brain-Heart Interconnectome, the largest single grant awarded in University of Ottawa's history. This unprecedented \$109M initiative is co-led by UOHI and the uOttawa Brain and Mind Research Institute, in partnership with affiliated research institutes, McGill University, the University of Saskatchewan and more than 45 other academic, industry and governmental and non-governmental partners worldwide. With our unique emerging global data portal, we are revolutionizing how brain-heart conditions are understood, managed, and prevented, solidifying further the Institute's status as a world leader in cardiovascular research.

Peter Liu, MD

Chief Scientific Officer and VP Research University of Ottawa Heart Institute

INVESTIGATOR OF THE YEAR



INVESTIGATOR OF THE YEAR



Peter Liu, MD

Chief Scientific Officer and Vice President of Research Director, Cardiac Function Laboratory UOHI

Professor
Department of Medicine, uOttawa



A tireless champion of collaborative cardiovascular research, Dr. Peter Liu has led the Institute to forge new frontiers. He changed our understanding of the epidemiology of heart failure, led pioneering work in viral myocarditis and revealed essential regulators of immunemetabolic coordination. His integrative vision drove the creation of the Brain-Heart Interconnectome, an extraordinary regional, national, and international collaboration that is changing the trajectory of how these conditions are understood, managed, and prevented.



Fellow - Basic Science







Dr. Muñoz is recognized for his outstanding leadership in regenerative medicine and our trainee communities. An exceptional mentor and role model, he Chairs both the Faculty of Medicine's Postdoctoral Association and UOHI's Work-In-Progress Trainee Rounds. Manager of the peptide synthesis facility, his research has garnered prestigious publications and awards as well as patents and partnerships.

Fellow -Clinical/Bio-behavioural Science







Dr. Bouchard holds an impressive record of laudable awards and accomplishments that recognize the pioneering nature of her work as UOHI's first SSHRC-funded scientist. Leading research in the psychosocial determinants of health among patients with cardiovascular diseases and their family members, she is already highly sought as a co-investigator bringing expertise in mixed methods, qualitative research and patient engagement strategies.

PhD Candidate – Late Stage







Ms. Robichaud's research in atherosclerosis and lipid metabolism has attracted wide-ranging accolades. Her awards give especial recognition to her outstanding scientific productivity. She is also highly involved in knowledge translation and community outreach, and has been instrumental in organizing several scientific meetings across the region.

PhD Candidate – Early Stage







Ms. Morrow has demonstrated exceptional productivity at an early career stage in her research focused on the postprandial regulation of chylomicron secretion. She's also made significant contributions to the trainee community at the local, regional, and national levels, including organizing a national training group through the Canadian Society of Atherosclerosis, Thrombosis and Vascular Biology/ Canadian Lipoprotein Conference.

GLOBAL ACHIEVEMENT AWARD



GLOBAL ACHIEVEMENT AWARD



Marc Ruel, MD

Chief, Division of Cardiac Surgery UOHI

Professor, Department of Medicine uOttawa



Recognized by the Society of Thoracic Surgeons as a 'Giant of Cardiothoracic Surgery,' Dr. Marc Ruel has been a global force in making cardiac surgery more patient-centered, less invasive, and more evidence-based, to improve the outcomes that matter most to patients. From revolutionary research in multivessel minimally-invasive coronary artery bypass surgery, to putting the Division of Cardiac Surgery on the world's map, he is a relentless innovator and deeply-respected leader.

GLOBAL ACHIEVEMENT AWARD



Rob Beanlands, MD

Deputy Director General
Director, National Cardiac PET Centre
UOHI

Professor, Department of Medicine uOttawa



Dr. Beanlands has re-shaped the landscape of both imaging research, and clinical decision-making in ischemic heart disease care and prevention. From single-handedly building the Canadian National PET Centre to setting a new standard for how we design research in the field with his first-of-its-kind multicenter randomized controlled trial of a cardiac imaging-guided therapy, hehas left an indelible mark on Canada and beyond.

EQUITY, DIVERSITY & INCLUSION IN RESEARCH AWARDS



INCLUSION IN RESEARCH AWARDS in Clinical/Health Services Research Advancement TRAINEE



Dan Yedu Quansah, PhD

CIHR Health System Impact Fellow Canadian Women's Heart Health Centre UOHI



Dr. Quansah is recognized for his passion and research addressing the intersections of sex, gender, ethnicity, and other social determinants of cardiovascular health. He co-produces and co-authors research with women with lived experience, focusing on sex-specific risk factors such as gestational hypertensive disorders, in order to develop novel interventions that improve CVD outcomes in underserved and high-risk populations of women.

EQUITY, DIVERSITY & INCLUSION IN RESEARCH AWARDS

in Basic Research Advancement TRAINEE







EQUITY, DIVERSITY & INCLUSION IN RESEARCH AWARDS STAFF







As manager of the CIHR-funded COVID-Wide Impact project Dr. Bahraini is devising community-driven strategies to enhance health outcomes. She established a Community Representative Committee to shape the project's research objectives, methods, and materials; engaged a diverse range of community leaders, and integrated a multilingual approach into the study design.

EQUITY, DIVERSITY & INCLUSION IN RESEARCH AWARDS INVESTIGATOR

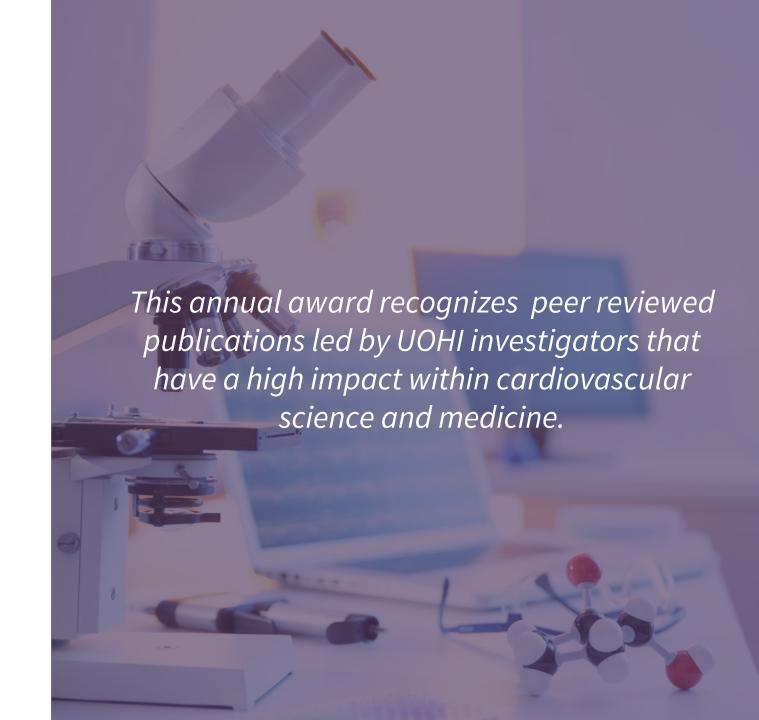


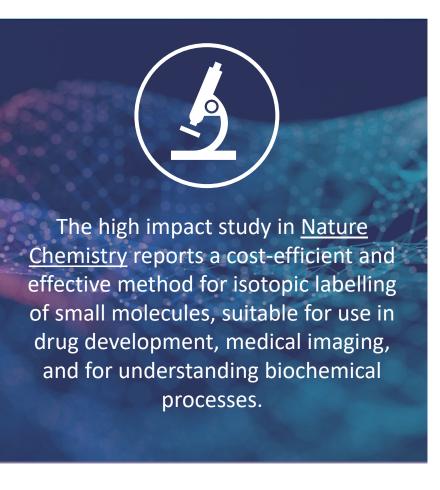
Kerri-Anne Mullen, PhD

Scientist
Director, Canadian Women's Heart Health Centre
and Prevention and Wellness Centre
UOHI



Dr. Mullen is recognized for her unwavering commitment to advancing research in women's health, with a specific focus on supporting underserved populations. As an exemplary builder of collaborations, she has drawn unprecedented research funding to the Institute and the Women's Heart Health Alliance for innovative research and capacity building that directly address health disparities and amplify the voices of diverse persons with lived experience.





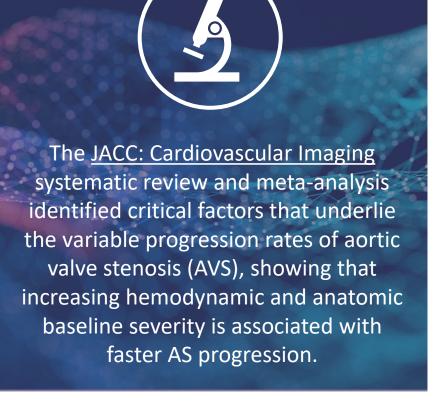


















Reported in <u>The Lancet</u>, the team found that adaptive cardiac resynchro-nisation therapy (CRT) did not significantly reduce all-cause death or intervention for heart failure decompensation as compared to conventional CRT in patients with intact atrioventricular conduction and left bundle branch block.





DR. FRANS LEENEN TRAINEE AWARDS FOR PUBLICATION EXCELLENCE

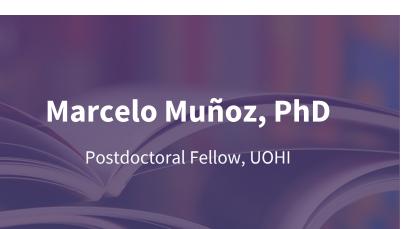


DR. FRANS LEENEN TRAINEE AWARD FOR PUBLICATION EXCELLENCE



In notably creative work, Drs. Muñoz, Cimenci, et al. developed a sprayable nanotherapeutic using surface-engineered multiarmed peptide grafted nanogold for on-the-spot coating of an infarcted myocardial surface. Reported in ACS Nano, the nanotherapeutic is highly effective and simple to apply.







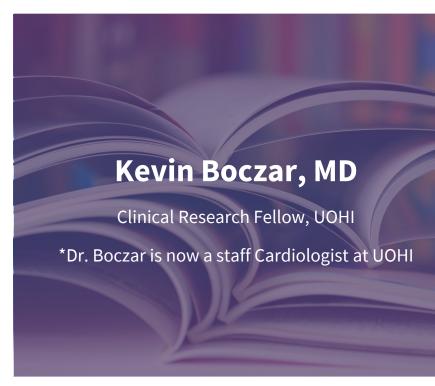


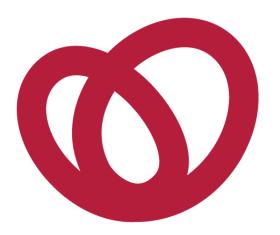
DR. FRANS LEENEN TRAINEE AWARD FOR PUBLICATION EXCELLENCE



In a study that stands out for its high level of clinical applicability, Dr. Boczar et al. reported in the <u>Canadian Journal of Cardiology</u> that greater aortic stiffness reflects worse aortic health. The estimated aortic pulse wave velocity (e-PWV) can be estimated simply, quickly, and free of cost.







If you want to know more about research at the Heart Institute





