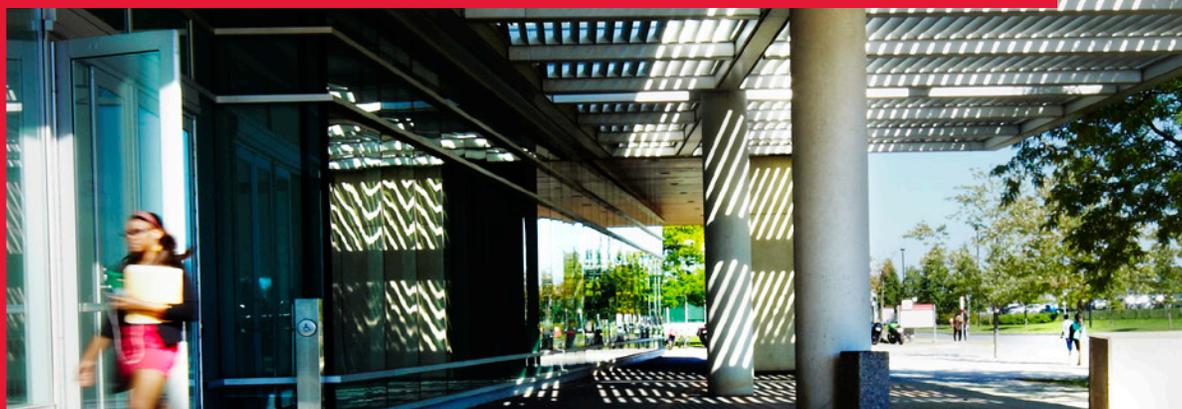




Faculty of Health Impact Report

2019-20

health | YORK
UNIVERSITÉ
UNIVERSITY 





The Faculty of Health is committed to creating positive change for our students, our communities, and the world around us through teaching, research excellence, and partnerships.

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MESSAGE FROM THE DEAN

THE FACULTY OF HEALTH's mission is to enhance human health, health equity, health care and wellbeing through creative and world leading ideas, education, and strategic partnerships for the public good. This report highlights some of the impact we've had fulfilling this mission. It profiles the extraordinary contributions of faculty members, staff, students, alumni, and our partners. Examples of where our research is making a difference include how international law can improve global health governance, preventing premature births, improving health care management and policy, treating and preventing heart disease, diabetes, arthritis, neurodegenerative conditions, addiction, and anxiety, improving self-esteem, intimacy, and reducing pain. Our graduates are leaders and agents of positive change. We work with organizational partners to solve their challenges and develop health professionals and engaged citizens for the 21st century. Our alumni and friends continue to generously contribute their wisdom, skills, connections, and financial support.

As the COVID 19 pandemic's second wave assails us, I remain profoundly grateful to our faculty, staff and students. My colleagues have demonstrated incredible adaptability and resourcefulness to continue their research and by re-creating hundreds of engaging courses and student supports on-line. We have implemented new degree programs and laid the groundwork for more bold new educational products in the future.

In July 2020, we established a new School of Global Health. It already hosts a unique and popular undergraduate program. We are now seeking approval to offer a bold new doctoral program in global health. We are exploring the creation of a unique School of Rehabilitation Science to host professional programs in areas such as physiotherapy, occupational therapy, and podiatry. Our School of Nursing is undergoing significant renewal.

We continue to create mutually beneficial partnerships, here and abroad, such as an agreement to help nursing faculty in Ghana to complete their PhDs. Locally, York is working with the City of Vaughan, Mackenzie Health and Venture Lab to assess the feasibility of a health precinct in downtown Vaughan. And this is just a sample of how we're making an impact. If you are intrigued by what you read in this report, I invite you to contact us.

Paul McDonald, PhD, FRSPH, FCAHS
Professor and Dean, Faculty of Health

FACULTY OF HEALTH EXPERTS IN THE NEWS

Faculty of Health researchers are regularly sought for their expertise by news media locally, nationally and internationally.



STEVEN J. HOFFMAN
HEALTH POLICY & MANAGEMENT
OSGOODE HALL LAW SCHOOL

Professor Steven Hoffman is an internationally recognized expert on addressing global health challenges and social inequities. The director of York's Global Strategy Lab and a professor of global health, law, and political science, Hoffman was named the Dahdaleh Distinguished Chair in Global Governance & Legal Epidemiology, the first endowed Chair in the world to focus on legal epidemiology. The Chair will provide research funding to allow Hoffman to address pressing needs such as COVID-19 (coronavirus), antimicrobial resistance, climate change and tobacco control. His research and expertise have received widespread media coverage including The Globe & Mail, CBC, Toronto Star, CTV News, and the Washington Post.



LINDA JUERGENSEN
NURSING

A Registered Nurse for more than 20 years, Linda Juergensen recently joined the School of Nursing in the role of assistant professor and has been an op-ed contributor to national media on topics from safe injection sites to human rights. A former public health nurse, Juergensen has worked in Canada, Africa and the Middle East, and her research looks at the socio-political contexts of health, including projects that focus on how nurses can help people who have been marginalized in the HIV/AIDS response, how to reduce the stigma around opioid use and how to improve the public health approach to Tuberculosis in Canada's North. "The common thread is how public health can become a better partner," says Juergensen. Her op-ed contributions have appeared in the Toronto Star and the Globe and Mail.

GORDON FLETT
PSYCHOLOGY

Much of what we know about perfectionism and its potential harms comes from the work of psychology professor Gordon Flett. His research shows those striving for perfection have greater risk of experiencing depression, health problems and relationship issues. He contributed to a recent meta-analysis of 45 studies that confirmed a link between perfectionism and suicide. Perfectionism is not an admirable trait but rather a mental health hazard, says Flett, who advises that it's better to strive for excellence rather than perfection. His research has appeared widely in the media including the New York Times, the BBC, The Guardian, the Globe & Mail, Today's Parent, and he has appeared on CTV, Global TV, CBC Radio's Ontario Morning and National Public Radio.



IN THE NEWS



JENNIFER MILLS
PSYCHOLOGY

Social media has given rise to selfie culture. So how does this mass proliferation of public photos affect our sense of self? The link between social media use and self-esteem has been clarified by new research by psychology professor Jennifer Mills. In one 2018 study, female undergraduates viewed Instagram photos of women they perceived as more attractive than themselves—an experience that created body dissatisfaction for the study participants. In another study, Mills observed that female undergraduates who posted selfies to Facebook or Instagram experienced lower self-esteem and self-image, even when they could retouch their photos. Her findings caught the attention of the BBC, ABC's 20/20 with Diane Sawyer, Time Magazine, CTV News, and the Huffington Post. Says Mills: "The more time young women spend on these activities, the worse they feel about their bodies. That's quite concerning."

SHERRY GRACE
KINESIOLOGY & HEALTH SCIENCE

Sherry Grace is a global advocate for heart disease management, essential to keeping patients alive and optimizing their well-being. A Kinesiology & Health Science professor and a senior scientist with the Toronto Rehabilitation Institute's Cardiovascular Rehabilitation Program, her research informed the Heart & Stroke Foundation of Canada's 2018 Report outlining the inequities women face in the cardiac care system. Her quality indicators for cardiac rehab, among other guidelines and statements, have influenced international policy and care. She has been recognized with awards from the American and Canadian Associations of Cardiovascular Rehabilitation, and her research has been featured on CTV News, Global News, CP24, TVO's the Agenda, the Globe & Mail, National Post, and CBC Radio.



Learn more: health.yorku.ca/media

FACULTY OF HEALTH RESEARCH

Faculty of Health research at a glance

From world class vision research, to physical and mental health, to policy change local to global, our researchers are at the forefront of bold discoveries that advance health and health science.

**\$21
MILLION** RESEARCH INCOME
GENERATED BY
FACULTY
OF HEALTH
RESEARCHERS



5 RESEARCH CENTRES AND INSTITUTES

- Centre for Vision Research
- Dahdaleh Institute for Global Health Research
- LaMarsh Centre for Child and Youth Relationships
- Muscle Health Research Centre
- York Centre for Aging Research and Education

York University ranked **3rd** among Canada's
**TOP 50 RESEARCH
UNIVERSITIES**
in 2019 for health research
creating positive societal change
(based on research income and publications)

180 RESEARCHERS

348 ACTIVE RESEARCH
GRANTS

90+ DOMESTIC AND
INTERNATIONAL
RESEARCH FUNDERS

13 RESEARCH
CHAIRS:

7 YORK RESEARCH CHAIRS

5 CANADA RESEARCH CHAIRS

1 ONTARIO WOMEN'S HEALTH
COUNCIL (OWHC) CHAIR
in Women's Mental Health Research

AWARDS & RECOGNITION

2020 Faculty of Health Dean's Award for Research Excellence (Established Career Category): Lauren Sergio (Kinesiology & Health Science) for her research accomplishments in the areas of dementia, concussion, and the brain's control of complex movement.

2019 Faculty of Health Dean's Award for Research Excellence (Early Career Category): Ali Abdul-Sater (Kinesiology & Health Science) for accomplishments in his field of research, which investigates the connection between exercise regime, immune system and inflammation.

The Power of Peers

FARAH AHMAD
HEALTH POLICY & MANAGEMENT

THE NOTION THAT WE TRUST PEERS over strangers is long established, and in recent years the impetus for organizations has been to tap peer leaders as a conduit for awareness and information about health issues. Lesser known, however, are the emotional complexities of this role, increasingly important in reaching underserved communities. Health Policy & Management Professor Farah Ahmad explores that relationship through a study funded by Cancer Care Ontario to deepen our understanding of the benefits and challenges of peer leadership.

Ahmad conducted the study with the help of Cancer Awareness: Ready for Education and Screening (CARES), a project led by Dr. Sheila Dunn, Women's College Hospital that aims to raise awareness and screening of breast and cervical cancer among women who belong to ethnic minority, recent immigrant and low-income communities in Toronto. Recruiting 14 peer leaders connected with project, Ahmad and post-

doctoral fellow Manuela Ferrari examined data collected through conducted three focus groups. The results not only confirmed past findings that peer leaders feel social connection and fulfilment from their role but raised new insights about challenges to be addressed such as the contrast that peer leaders face between their social and professional roles. By acting as leaders and community members simultaneously, peer leaders are forced to negotiate new boundaries. "On one side, people are bringing knowledge to the community, but they were community experts on the other side," says Ahmad, adding that participants admitted to tensions arising from this merging of identities. Ahmad believes this is an area where guidance and training from health organizations could help, since the need for community engagement will only increase. "Considering globalization, there's a bigger and bigger need now to engage people in an equitable and culturally sensitive manner."



Understanding Pain in Young Children

REBECCA PILLAI-RIDDELL
PSYCHOLOGY

THE IDEA OF A BABY experiencing physical pain is troubling. Yet knowing and understanding their pain continues to be an enigma because infants are unable to self-report. Rebecca Pillai Riddell, psychology professor and head of York's Opportunities to Understand Childhood Hurt (OUCH Lab) is helping to find answers by examining how children and caregivers interact in a pain context, mainly during a vaccination. She and her research team have been conducting longitudinal research on hundreds of healthy children and their caregivers—the largest cohort worldwide in this context—trying to better understand how young children's pain behaviours develop and are shaped by parents over the first years of life. Over the past five years alone, The OUCH Lab has published more than four dozen papers in the area of pain. Pillai Riddell focuses on child, parent, and parent-child interactions by using sophisticated models to predict child pain and fear responses in the vaccination context. She has a particular interest in parent factors, such as soothing behaviours or fear of needles. Her findings suggest that while sensitive caregiver behaviours, such as rocking and physical comfort are important, teaching parents to avoid ineffective behaviours such as too much verbal reassurance may be even more important to helping parents manage their child's pain. Some of Pillai Riddell's work has informed vaccine pain clinical practice guidelines for health professionals in Canada, which were later adopted by the World Health Organization in 2015.

"We are seeing that a child's pain experience is closely connected to their caregiver relationship and understanding that dynamic makes clear that supporting child attachment needs during vaccination is critical to help children better deal with their pain," says Pillai Riddell, who is also Associate Vice-President of Research at York, and winner of the 2019 Jeffrey Lawson Award for Advocacy in Children's Pain Relief. The award, presented by the American Pain Society, recognizes her advocacy efforts to improve management of pain in children. "Using my program of research to be able to advocate for pained infants who do not have the ability to speak for themselves is a passion that motivates me every day," says Pillai Riddell.



Taking a Team Approach to Addressing Chronic Pain

JOEL KATZ
PSYCHOLOGY

ABOUT ONE IN 10 PEOPLE experience chronic post-surgical pain (CPSP). This means that of the 400 million people who have operations each year worldwide, about 40 million may develop ongoing moderate to severe pain that interferes with their ability to lead a productive, enjoyable life. But despite these staggering statistics, and their associated personal challenges as well as health-care and workplace productivity costs, we know very little about CPSP's causes and how best to help.

Psychology professor Joel Katz explores this problem by working with a large multidisciplinary team of Toronto health professionals to identify CPSP's main risk factors. He and his colleagues—which include physicians, clinical psychologists, nurse practitioners, and physiotherapists—have pioneered the Transitional Pain Service (TPS), a Toronto General Hospital (TGH) program that's the world's first to comprehensively address CPSP. The clinicians are examining CPSP at three stages: preoperatively, postoperatively in hospital, and in an outpatient setting for up to six months after surgery. The TPS team members collaborate to create a customized, integrated treatment plan aided by a cutting-edge mobile app and digital platform, Manage My Pain.

TPS's proactive, cooperative and intensive approach contrasts with the long wait times most CPSP patients face at chronic pain clinics. By addressing the issue early, TPS can prevent patients' transition from acute to chronic pain and reduce suffering and disability.

Since its start at TGH in 2014, TPS has helped about 600 patients. Katz, who has received multiple awards from the Canadian Pain Society and American Psychological Association for his contribution to pain research – and who has been recognized as a "World Expert" in postoperative pain research by Expertscape, an online



database that works to objectively rank individuals and institutions by their expertise in more than 27,000 biomedical topics – has identified the key risk factors of CPSP: pre-existing chronic pain; opioid use; a history of anxiety or depression; and previous trauma. The program has led to patients experiencing less pain, psychological distress and opioid use. "By intervening as early as possible after surgery and providing integrated, multidisciplinary care, we have a better chance of preventing or minimizing chronic pain," says Katz.



Charting New Territory in Spatial Memory Research

SHAYNA ROSENBAUM
PSYCHOLOGY

FOR AS LONG AS Shayna Rosenbaum can remember, the big star in memory research has been the hippocampus. We understand quite well that this small, curved structure of the brain's limbic system plays an important role in creating and maintaining short- and long-term memories. Yet, as the psychology professor has learned, that's only one part of the story.

In collaboration with researchers at University College London, Rosenbaum, a York Research Chair in the Cognitive Neuroscience of Memory, has discovered that other parts of the brain cooperate with the hippocampus in forming memories. One such area that she and her colleagues have identified as an important memory collaborator is the retrosplenial cortex, which is located behind the brain's corpus callosum, the "highway" that connects the left and right cerebral hemispheres. Rosenbaum explains that the retrosplenial cortex helps people remember and navigate

familiar places. The research was supported by York's Vision: Science to Applications (VISTA) program, a program focusing on vision research that is funded by the federal government's Canada First Research Excellence Fund. Rosenbaum's research is also supported by the Natural Sciences and Engineering Research Council (NSERC), Canadian Institute for Health Research (CIHR), and a 2018-19 James McKeen Cattell Fund Sabbatical award.

As many of us rely heavily on spatial clues to help us navigate our surroundings, Rosenbaum says the study could prove useful to supporting individuals with age-related memory deficits. "As the number of people getting older in the world rises, so will the number of age-related neurological disorders affecting spatial memory," Rosenbaum says. "Training people to make better use of the parts of their brain involved in spatial memory could be helpful to those vulnerable to the effects of aging."

Investigating Inflammation

ALI ABDUL-SATER
KINESIOLOGY & HEALTH SCIENCE

INFLAMMATION IS ONE WAY that our bodies sound the alarm about potential attacks to the immune system. But in some cases, our systems overreact, resulting in autoimmune conditions from rheumatoid arthritis to diabetes to heart disease. Inflammation can also happen with intensive exercise, a hindrance for high-level athletes at the top of their game. Taking aim at both problems, Kinesiology & Health Science professor Ali Abdul-Sater explores inflammation at the molecular level to find ways to bring it under control.

Funded by a Stars Career Development Award from the Arthritis Society and a Canadian Institute of Health Research (CIHR) grant, Abdul-Sater's autoimmune project investigates a protein called TRAF1 that has the potential to regulate inflammation. Knowing that people with the genetic variation for arthritis make less of the protein, Abdul-Sater wants to figure out why and how that translates into the inflammation reaction. While past researchers have tried taking the protein out completely but given that this protein plays distinct

roles in various immune pathways, Abdul-Sater instead wants to tease out the problem more carefully by making genetically mutated versions and observing how those react in different pathways. If a particular pathway is effective in reducing inflammation, a future drug could be made to address the problem and bring relief.

Abdul-Sater's second project, funded by grants from the Natural Sciences and Engineering Research Council of Canada (NSERC) and the Canadian Foundation for Innovation (CFI), investigates why intensive exercise can also produce excessive inflammation, with an aim to develop guidelines for high-level athletes as well as the general public on reducing the frequency and severity of this detrimental side effect.

In both projects, Abdul-Sater says the point of studying inflammation is not to switch off this vital protective response, but to learn to better control it. "It's not just an on/off switch, it's really more like the gas pedal on your car, we want to prevent it from over-accelerating," says Abdul-Sater.





Potential Health Advantage of Female Fat

TARA HAAS
KINESIOLOGY & HEALTH SCIENCE

OBESITY HAS BECOME a serious public health problem worldwide. Notably, cardiovascular and metabolic diseases afflict men at lower levels of obesity than women. Identifying the reasons for this striking difference has been the focus of intense research. Now, a new study by Kinesiology and Health Science professor Tara Haas shows that improved metabolic health is linked with greater blood vessel growth in female mice on a high-fat diet.

Last year, Haas led a team of researchers in studying the underlying biological differences between abdominal fat in female and male mice. While fat accumulates in different regions of the body, abdominal fat is closely linked with greater risk of developing diabetes, particularly in males. The experiment involved feeding the mice a high-fat diet to induce weight gain, then assessing how the fat tissue in males versus females adapted to the excess nutrients.

The comparison revealed that the females' abdominal fat was better able to grow new blood vessels to match the increasing size of the fat cells. This higher number of blood vessels ensured the expanding fat cells were supplied with enough oxygen and nutrients, which kept the fat tissue healthier. The finding could help explain why women tend to be less susceptible to developing obesity-related metabolic complications such as cardiovascular disease, insulin resistance and diabetes.

Historically, most obesity research involving animals has been performed on males, which discounts these key physiological differences in male and female fat tissue. Haas sees her research as filling a critical gap in knowledge.

"Overall, it's really important to consider how males and females respond differently to excess nutrients," Haas says. "If we can understand the factors that promote healthy blood vessels in women's fat, it could help point to new therapies for both men and women."

Toward Better Maternal-Child Well-Being

SHAHIROSE PREMJI
NURSING

RESEARCH SHOWS THAT when a pregnant woman's emotional well-being suffers, it increases the likelihood of preterm birth. But we know very little about how the combination of stress, depression and anxiety together affect the biological pathways to the preterm birth.

Shahirose Premji, director of and professor in York's School of Nursing, is shedding light on this important area by studying how the presence of multiple dimensions of emotional distress during pregnancy and its physiologic burden influence birth outcomes among women exposed to some of the most extreme psychosocial stress worldwide. A clinical researcher and former Neonatal Nurse Practitioner and Public Health Nurse (Postpartum), she is leading an international team of academics, clinicians and policymakers in exploring interventions for limiting adverse childbirth outcomes that consider the socioeconomic and cultural context of pregnant women.

Over several different studies, Shahirose, her collaborators, and graduate students have looked at multiple aspects of this subject, mostly among low- and middle-income women in South Asia. High rates of antenatal stress, depression, and preterm birth were observed in ethnically diverse South Asian women in Karachi, Pakistan. A 2018 rapid review examined the effectiveness of current assessment tools for capturing the maternal anxiety of South Asian women. The results demonstrated that the assessment tools should include gender inequality and societal acceptance of domestic violence in South Asia in order to understand their influence on pregnancy outcomes.

In other research, Premji has examined the factors associated with pregnancy-related anxiety in Tanzanian women; and the association between parity, infant gender and paternal education level in preterm birth in Pakistan. In this last study, it was found that the higher the father's education level, the lower the risk of the mother delivering early. "South Asian women make up a significant portion of Canada's immigrant population, and many are of childbearing age," says Premji. Her most recent publication, *Late Preterm Infants. A Guide for Nurses, Midwives, Clinicians and Allied Health Professionals* (Springer, 2019), available as an e-book and in hard copy, reflects on the needs of preterm babies and provides the best available evidence to inform care. "Our research helps us rethink the ways in which we provide care and support to expecting women."



FACULTY OF HEALTH TEACHING & STUDENT SUCCESS

Faculty of Health teaching and student success at a glance

Our faculty teachers are passionate about the subjects they teach and as active researchers in their fields, they bring new insights into the classroom that inspire excellence in their students.



206
full-time
faculty



**Largest and most diverse
course selection**
in Psychology and
Kinesiology & Health Science
of any university in Canada

AWARDS & RECOGNITION

- **2020 President's University-Wide Teaching Award & 2019 Dean's Award for Excellence in Teaching (Early Career Category):** Michael Boni (Kinesiology & Health Science)
- **2020 Dean's Award for Excellence in Educational Leadership, Pedagogical and/or Curricular Innovation (Established Career Category):** Jennine Rawana (Psychology & Head of Calumet College)
- **2020 Faculty of Graduate Studies' (FGS) Faculty Teaching Award:** Michaela Hynie (Psychology)

6 UNDERGRADUATE PROGRAMS

- Global Health
- Health Studies (Policy, Management, Informatics)
- Kinesiology & Health Science
- Neuroscience
- Nursing
- Psychology

KINESIOLOGY & HEALTH SCIENCE

1st in Canada
3rd in North America
9th in the World

(CEO World Magazine, World's Best Universities for Sport Science and Management in 2019)

GLOBAL HEALTH

One of York's "Standout Programs" (Maclean's Magazine)

PSYCHOLOGY

Among the **top 10 (#6)** in Canada and **top 100** in the world (Maclean's Magazine & QS World University Rankings & Times Higher Education)

CRITICAL DISABILITY STUDIES (MA, PhD)

The only graduate program of its kind in Canada and the only PhD in Critical Disability Studies

Sparking Revelations About Romantic Relationships

AMY MUISE PSYCHOLOGY

RELEVANT, MEANINGFUL SUBJECTS and informed, engaging instructors are key to effective teaching and learning. Psychology professor Amy Muise brings all of these elements to her popular new undergraduate course, Psychology of Intimate Relationships. Introduced in fall 2018, the third-year course covers key theories and current studies regarding romantic relationship formation, maintenance and dissolution in various types of relationships—

monogamous and non-monogamous, marital and cohabitating, same-sex and mixed-sex. The course also addresses how social media affects our romantic relationships.

Muise has been researching the connection between sexual intimacy and healthy, fulfilling long-term relationships for 15 years. Her work has resulted in dozens of published articles and, as a subject with mass cultural appeal, generated much media coverage. While

relatively new to teaching—she started in 2016, at York—Muise has a deep passion for her subject area and a charismatic personality that, together with her substantial knowledge, help bring the subject to life. She facilitates stimulating discussions about relationship characteristics, challenges and successes that spark many “aha” moments for students. “It’s exciting to see the material resonate...There’s often personal relevance, and you can see the lightbulbs going off.”



LYNDSAY HAYHURST KINESIOLOGY & HEALTH SCIENCE

STUDENTS ARE EAGER TO MAKE CONNECTIONS in their field. For employers, the creative ideas and fresh energy that students bring can be a huge benefit to their organizations. Realizing these two perspectives, Kinesiology & Health Science Professor Lyndsay Hayhurst decided to bring both sides together in an experiential education collaboration for her International Development and Sport course.

Over the past three years, Hayhurst and her students have collaborated with partners such as Canadian Tire Jumpstart Charities, Right to Play and Commonwealth Games Canada. Hayhurst identifies projects that fit the course modules, and then places students in small Community Service Learning (CSL) groups to tackle the issues and produce a final report and visual medium used to share knowledge and key findings gleaned through the CSL experience. A recent example was Commonwealth Games Canada that challenged students to come up with more creative ways of monitoring and evaluating projects in its sport for development program. Initiatives included using sport as a tool to promote youth development, education and HIV/AIDS prevention strategies in Commonwealth countries in the global South, such as Swaziland.

“The students came up with some really interesting creative participatory approaches” says Hayhurst, such as soliciting feedback from program participants more informally through drawings or poetry, rather than hiring expensive consultants to conduct surveys and focus groups.

CLAIRE MALLETTE NURSING

NURSING PROFESSOR CLAIRE MALLETTE believes in letting students see for themselves how powerful they can be.

Her fourth-year leadership course is all about inspiring them to identify a health issue and create a strategy for positive change that emphasizes compassion in health care. In its first year, when she linked the assignment to Ontario’s Change Day initiative, a grassroots movement to empower people within the health system to improve compassionate quality care, the challenge resulted in student projects from using Google Translate to communicate with patients to a Facebook page to raise awareness about youth homelessness.

Her projects included an Instagram and Facebook campaign called “Let’s talk loneliness” that not only helps educate people about the topic but urges visitors to take simple actions from smiling at a stranger to visiting an elderly friend. Another group studied the importance of physical activity for mild anxiety and depression and created a Facebook page encouraging visitors from around the world to post pictures of themselves running or walking. “What’s key about all of these is that they were applying theories they learned and using social media to make a difference directly,” says Mallette. By the end of the project, students love it, and their response plus the creativity of their output inspires Mallette. “I was astounded at the quality,” says Mallette. “They just ran with their imaginations and did things better than I could have ever imagined.”



Enriching Health Informatics Education

CHRISTO EL MORR HEALTH INFORMATICS

BY EMBRACING EXPERIENTIAL EDUCATION and advancing knowledge in his field, health policy & management professor Christo El Morr is elevating the academic experiences of his students. As the instructor of the second-year course Introduction to Health Informatics, El Morr provides a primer on how effective data management enhances health care. To ensure the curriculum is relevant, he regularly invites health informatics professionals from hospitals, startups and non-profit organizations to speak to his class. In other courses, El Morr also assigns students research projects that involve using actual community health survey data. “Students get to see the practical aspects of health informatics, and how it applies to health-care environments,” says El Morr.

Another way he creates valuable learning opportunities is by using the new first of its kind textbook he authored, *Introduction to Health Informatics: A Canadian Perspective*. “Most health informatics textbooks are from the U.S.,” says

El Morr “whereas this book fills a gap by presenting the field within the context of Canada’s unique health-care system, including the perspectives of health-care professionals in Canada.”



FACULTY OF HEALTH STUDENTS & ALUMNI

Faculty of Health students and alumni at a glance

Our students and alumni proudly build on their education by demonstrating excellence and a passion for change in their careers and in their community engagement locally, nationally and internationally.



9,442
undergraduate
students



620
graduate
students



616
undergraduate
international
students



20,000+
alumni
*since the creation of the
Faculty of Health in 2006

SYDNEY HARRIS ALUMNA, COLLABORATIVE NURSING PROGRAM

Most medical practitioners become experts in their specialty or department, but how often does a student get the opportunity for a bigger picture view of an organization? In summer 2018, then Nursing student Sydney Harris embraced the experience offered by the Canada Summer Jobs program to assist in a quality improvement project at Stevenson Memorial, a small hospital in New Tecumseth, Ontario. “By the end of the summer I knew every single staff member and had an appreciation for every layer of the hospital,” says Harris.

Harris, who has since graduated from the Collaborative Nursing program at York (BScN, 2019), worked with a consultant as well as the hospital’s chief of nursing to identify areas for improvement in every unit in the hospital. “We mapped out what each staff member does, from supplies they’re using, to how long surgical procedures take,” explains Harris. Today, Harris puts the organizational, critical thinking and problem-solving skills she has acquired to good use as a Registered Nurse in the Neonatal Intensive Care Unit at Royal Victoria Regional Health Centre in Barrie.



SHALYN ISAACS ALUMNA, PSYCHOLOGY

Mental health services for female students at York got a significant boost from psychology student Shalyn Isaacs who founded Women’s Mental Health Talks (WMHT), a student-led support group focused on the well-being of female students. The impetus came from Isaac’s research assistant work in the Psychology Feminist Voices lab of professor Alexandra Rutherford, where she learned about systemic social factors contributing to women’s stress. She also noticed a gap in campus mental health services specifically for women. WMHT hosts biweekly two-hour meetings where about 15 women gather to discuss challenges with sexual health, body image, drug addiction, achieving goals and more. The meetings are led by trained volunteer facilitators who foster an accepting environment for sharing problems and coping strategies. Isaacs ran the group for three years with a volunteer team of York students. “The goal is for women to develop resiliency,” says Isaacs, who last year served as the first-ever student representative on the Centre for Addiction and Mental Health’s board of trustees. “We want to help women empower themselves and their communities.” For her work and advocacy for women’s mental health at York, Isaacs was awarded the 2019 Faculty of Health Silver Medal for Outstanding Leadership. She is currently a University of Toronto MEd student in Clinical Psychology.



DOLEV YISSAR ALUMNUS, KINESIOLOGY & HEALTH SCIENCE

Dolev Yissar, a Kinesiology & Health Science graduate, was the only York student selected as a finalist for the Rhodes Scholarship. In addition to his academic success, Dolev has also made a difference in the community as the co-founder of HeartLine, a non-profit organization that makes life-saving education widely accessible. Delivered by professional instructors, HeartLine’s CPR, First Aid and Health Care Provider courses are offered free to socio-economically disadvantaged communities. Today Dolev is a student in the 4-year MD/MBA collaborative program in Columbia & Ben-Gurion Universities but HeartLine will continue as Dolev has trained a team of instructors who will replace him while he completes his studies abroad. Says Dolev, who wants to grow HeartLine into an international movement, “It’s such a simple way to make a big difference in people’s lives.”





**HUSEIN NAZARALI ALI
ALUMNUS, PSYCHOLOGY
(YORK-SENECA REHABILITATION SER-
VICES CERTIFICATE)**

When Husein Nazarali Ali discovered the York-Seneca Rehabilitation Services Certificate, he also found his vocation. A psychology major, he added the program to his studies in second year. Today he's a Rehabilitation Consultant with Great-West Life, where he helps people with physical and mental health challenges return to work successfully and productively.

Following a program placement with Staples Canada that turned into an extended contract, Ali tried out different roles with employers including Sunlife and BC Life before joining his current employer. As a consultant at Great-West Life, he assesses and recommends the best approaches for people returning to work, which includes everything from work modifications to partial hours. Ali says that he loves empowering people and helping them see their best selves. "I think the best part of this job is allowing individuals to understand their own abilities and put the power in their own hands," he says.

Ali adds that he valued his program at York for exposing him to the many fields within rehabilitation, from physiotherapy clinics to the employer side. "The program gave me a very holistic view of the rehab process and also the skills to connect with people."

**NEDA PAJOOAN
ALUMNA, HEALTH STUDIES**

Neda Pajooman always wanted a career where she felt connected to others. She attended an evening event about the interrelationship between poverty rates and social systems, which inspired her to take courses in and then major in the Honours Health Studies degree in the School of Health Policy & Management. Today, the pathway that started that evening has led her to her current position as Regional Director for Ontario for The Leukemia & Lymphoma Society of Canada. "I love the tangibility of it," says Pajooman of her interest in the program, adding that she felt connected with fellow students. "They liked talking about real things. I fell into my groove."

After graduation, Pajooman explored various areas in health care before the experience of working as a street canvasser for charities sparked a new interest. "I really loved fundraising, getting to know strangers and connecting with them, understanding what excites them," recalls Pajooman. After formalizing her skills with a post-graduate college certificate in fundraising management, she tried working at a hospital and the non-profit Engineers without Borders before settling into her current role, an organization she loves for its holistic approach to community.

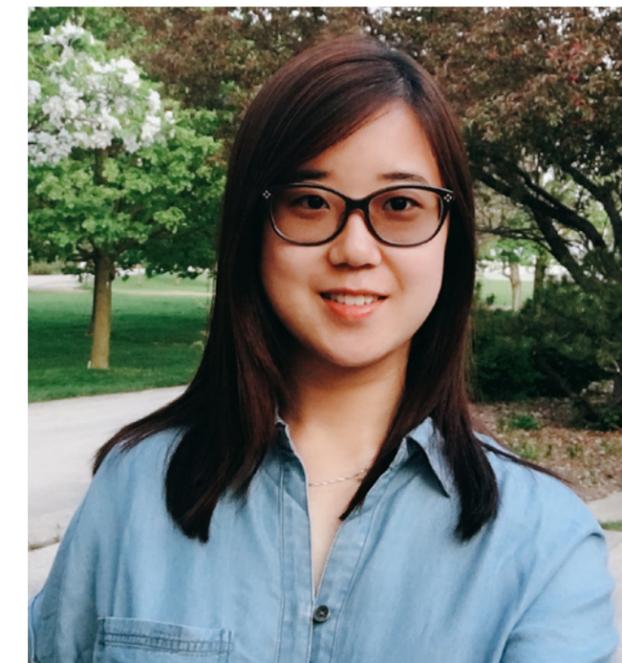


Making an Impact on the Global Stage

THREE UNDERGRADUATE PSYCHOLOGY STUDENTS RECEIVED HIGHLY COMMENDED DESIGNATION AT THE GLOBAL UNDERGRADUATE AWARDS COMPETITION

Celebrating original and creative thinking, the Global Undergraduate Awards is the world's leading undergraduate awards programme which recognizes top undergraduate work. Every year, the UA coordinates an awards programme for penultimate and final year undergraduate students whose papers are assessed by a panel of international academics and industry leaders. The best 10% of work is shortlisted as Highly Commended, and the top submission in each category is deemed the Global Winner.

Only five psychology students from Canadian Universities received the Highly Commended designation in 2019 and three of them were from York. Susan Chen (middle photo) was recognized for her paper "Personality and its Function(s) in Dissociative Identity Disorder." Fatmah Jahim (top photo with Psychology Undergraduate Program Director Dr. Karen Fergus) was recognized for her paper "Children as Eye Witnesses." Jingyuan (Sophie) Li (bottom photo with Dr. Karen Fergus) was recognized for her paper "Three-level Meta-analysis: A Method for Dealing with Multiple Dependent Outcomes." Susan's, Fatmah's and Sophie's papers were written as part of their psychology courses. Sophie was also the Regional Psychology Winner for the USA-Canada Region. Congratulations to our outstanding award winners!



FACULTY OF HEALTH PARTNERSHIPS

Faculty of Health partnerships at a glance

There is no ivory tower approach to learning, teaching and research in York's Faculty of Health. We believe that community based teaching and research is key to a richer learning and research experience. Our community partners, including agencies, hospitals and community centres, value and benefit from the ideas, enthusiasm and expertise of our faculty and students.

30+
formal research
partnerships

Active research
collaborations
in more than
30
countries



LOCAL PARTNERSHIPS

(just a few of many examples)

- Doctors Without Borders Canada
- University Health Network
- Hospital for Sick Children
- Black Creek Community Health Centre
- Driftwood Community Centre
- Right to Play
- Dairy Farmers of Canada
- Grand Challenges Canada
- Kids Brain Health Network
- Pine River Institute
- Standing up to Pots
- Young Hunters Program

GLOBAL PARTNERSHIPS

(just a few of many examples)

- World Health Organization, Jordan & Sri Lanka
- Health Aid Society, Jordan
- Regional Toxicology Institute, Costa Rica
- Humanity and Inclusion, United Kingdom
- Scottish Public Health Network, Scotland
- Wellcome Trust, UK

COMMUNITY SERVICE RECOGNITION

2019 Dean's Award for Excellence in Service in the University and Community (Early Career Category): Christopher Perry (Kinesiology & Health Science) and Hannah Wong (Health Policy & Management)

2020 Dean's Award for Excellence in Service & Engagement Impact Award (Established Career Category): Parissa Safai (Kinesiology & Health Science) and Jonathan Weiss (Psychology)

Extending Educational Options in Refugee Camps

BERYL PILKINGTON NURSING

REFUGEE CAMPS may once have been transient spaces, but longstanding unrest means that some of them house families for generations. Along with this unfortunate permanence comes the need for professionals trained to help deliver basic services. In Kenya it's a challenge taken up by the Borderless Higher Education for Refugees (BHER) project, initiated by York's Centre for Refugee Studies and other partners to provide professional teacher training in the longstanding refugee camps at Dadaab, Kenya. When the BHER project wanted to offer another training option in health care (the project was also inviting other disciplines to develop degrees), the team turned to Nursing professor Beryl Pilkington.

In August 2014, Pilkington launched a study in partnership Moi University in Eldoret, Kenya, to determine the feasibility of a health-focused degree. Informed by that research, Moi developed a new Bachelor of Science (BSc) degree in Community Health Education (CHE). In July 2016, the program launched in the Dadaab refugee camp, and in December 2018 graduated its first cohort of 21 students. The new degree's curriculum draws from courses in both York's BSc in Global Health and Moi University's School of Nursing degrees (BScN).

The program was created in modules so that students could start with a one-year certificate or two-year diploma in Education and then enter the four-year CHE degree at Moi with advanced standing. The program is also tailored to the situation—students in Dadaab take courses mostly online since it's not feasible for them to travel outside the camp (there's also a face-to-face practicum). In addition to gaining skills that are useful within the camp, trainees are also prepared for employment in the health care field once they leave.

Besides BHER and Moi, other partners include the International Development Research Centre (a crown corporation), Global Affairs Canada and Windle International Kenya. Pilkington says the work could not have come together without the help of these many contributors. "Developing and launching the degree was a huge amount of work," she says. "It's almost incomprehensible that we managed to get the funding, do the research and develop a degree in two years."



Physical Activity with an Emphasis on Fun

ANGELO BELCASTRO KINESIOLOGY & HEALTH SCIENCE

HIGHER EDUCATION INSTITUTIONS can positively transform their local communities. A perfect example is KIN Kids, a research-driven play program created by the School of Kinesiology and Health Science chair and professor Angelo Belcastro that helps inactive, often vulnerable children, stay fit and healthy.

Belcastro established KIN Kids about a decade ago in response to growing rates of childhood obesity. What drives its success is its unique GAP model: the activities are guided by a fitness expert at a 1-to-5 ratio; active to a degree that achieves a vigorous intensity level; and focus on fun, non-competitive play.

KIN Kids cooperates closely with the communities in which it runs. Participating elementary schools or community centres—largely in the Jane-Finch community plus three groups in Markham—have been consulted on the specific health and fitness needs and goals of area kids. Geared to children ages 5-12, the seven-week summer program features sports and schoolyard games led by York kinesiology students.

The evidence-based program involves the kinesiology students setting goals and closely monitoring progress related to the kids' motor skills, activity competency, body composition and cardiovascular level. They also measure the kids' height, weight, skin fold, stomach circumference and physical strength at the program's start and end. The resulting data is organized into a physical report card for each child that schools or centres share with parents.

So far, about 800 GTA children have participated in KIN Kids. Some have been tracked long term—the results show they now take part in more frequent and intense physical activity than before.

"The program is fun, active and embedded in communities," Belcastro says. "That formula is key to encouraging children to engage in physical activities."

KIN Kids is a research driven play program that helps inactive, often vulnerable children, stay fit and healthy.

Translating a Fantasy World into Youth and Community Resiliency



YVONNE BOHR PSYCHOLOGY

PSYCHOLOGY PROFESSOR YVONNE BOHR has partnered with five communities and four agencies in Nunavut to develop an Indigenous-focused fantasy video game focused on supporting mental wellness in Inuit youth. Factors such as intergenerational trauma and poverty contribute to Inuit youth experiencing relatively higher rates of stress, anxiety and depression. The interactive game will use Inuit cultural values to create a familiar context, and cognitive behaviour therapy principles to help youth regulate their emotions through activities such as reframing their thoughts and learning about physical coping strategies.

The game is built on the model of SPARX (Smart, Positive, Active, Realistic, X-factor thoughts), a 3D video game designed by New Zealand researchers focused on promoting the mental health and wellness of Maori youth. Bohr, who is also head of York's Infant and Child Mental Health Lab, and a member of York's LaMarsh Centre for Child and Youth Research, discovered SPARX in 2012 while conducting research for the government of Nunavut on electronic interventions for youth in remote communities.

Bohr has received approximately \$1.2 million over four years from the Canadian Institutes for Health Research to engage youth in the adaptation of the game for a Nunavut context, and the subsequent evaluation with community youth. Inuit elders and "champion" youth collaborate in the process of conceptualizing and developing a community-centric, culturally relevant game that integrates Inuit models of well-being. Ensuring that the community played a leading role in the project was central to Bohr: "I am aware of communities that have been very burnt by researchers flying in and out," she told the Globe and Mail in an interview. "Our goal was not to just come in and provide this program. We wanted it to be community directed." "The game will be designed around a narrative of hope and reclaiming Indigenous culture" Bohr added.

Hands-on Learning with Community Benefits

ELLEN SCHRAA & LIANE GINSBURG HEALTH POLICY & MANAGEMENT

EFFECTIVE COMMUNITY-ENGAGED HIGHER EDUCATION creates a win-win-win outcome: students build their practical knowledge, the post-secondary institution increases its local impact, and the participating local organization gains valuable operational support. This is exactly what is taking place in York's School of Health Policy and Management's fourth year community-focused course Applied Research Approaches in Health Studies: Advanced Seminar. Professors Ellen Schraa and Liane Ginsburg have developed a curriculum rich in both theoretical and practical learning that lets students apply their knowledge in a way that enhances their educational experience, as well as benefitting the needs of the Toronto Grace Health Centre.

The course begins with an overview of research methods in health policy, management and informatics. In the second term, students choose from one of five hands-on research projects: evaluating the use of patient communication boards; evaluating the implementation of best practice nursing care; exploring patient discharge barriers; analyzing hospital incident data; or exploring care practices for pressure injuries. The assignments were developed in conjunction with the Grace based on its operational needs.

"Health-care organizations have limited budgets and time," says Schraa who, along with Ginsburg, serves on the board of trustees at the Grace, a complex continuing, rehabilitative and palliative care hospital. "This gives the Grace an opportunity to take care of pressing projects while allowing students to apply theory and



Health Studies students with their professors at Toronto Grace Health Centre

do practical analyses," Ginsburg concurs, adding "the students get valuable real-world experience they can add to their CV while the Grace gains information to support its decision making."

Grace CEO and president Jake Tran says the collaboration bolsters its capacity to empower its clinicians to better serve patients and their families. "Students bring a different dimension to our clinical practice," Tran says. "Knowledge transfer from theoretical knowledge to clinical practice is amazing."

Responding to COVID-19

In the fight against COVID-19, Faculty of Health experts and researchers are providing their knowledge and expertise, through research studies, media interviews and published commentaries, to help Canadians and people around the world understand what we need to do to stay safe, including ways to cope with the pandemic for optimal health and wellness.

Steven Hoffman (Health Policy & Management and Law), Scientific Director of the Canadian Institutes of Health Research (CIHR) Institute of Population and Health (IPPH) (1), was appointed by the Deputy Secretary-General of the UN to lead the development of a roadmap, working with partners and team members at CIHR’s IPPH, to ensure national and international strategies are informed by evidence generated in anticipation of, and during, the COVID-19 recovery period.

Oghenwede Eyawo (Global Health and Kinesiology & Health Science) (2) published a commentary in *The Journal of Bioethical Inquiry* that the response to COVID-19 has extended inequity within and across populations, especially in low- and middle-income countries. The global health governance of pandemic preparedness and response needs to move further away from a one-size-fits-all approach that tends to prioritize the interests of high-income countries towards a context-sensitive approach that

gives equity a central role in guiding our pandemic preparedness and response strategies.

Tamara Daly (Health Policy & Management), Director of the York University Centre for Aging Research and Education (3), has published widely on the structural and human resource policy changes that provincial governments must enact to ensure the safety of residents and staff in long term care – one of the hardest hit sectors during the pandemic.

Nazilla Khanlou (Nursing) Women’s Health Research Chair in Mental Health at York (4), points to an emerging “syndemic” – the combination of COVID-19 with two other pandemics – that of racism and gender-based violence (GBV). The CIHR funded work of Khanlou and her team are producing knowledge outputs to help inform mental health support for racialized women at risk of GBV.

Gordon Flett (Psychology) (5) co-authored a commentary in *The International Journal of Mental Health and Addiction* on the importance of treating older people in ways that enhance their sense of mattering rather than making them feel expendable. Mattering is vitally important to the physical and mental health of older adults given evidence that levels of suicidality among the elderly have exponentially increased during the pandemic.



A number of Faculty of Health researchers have collectively received almost \$1 million in CIHR funding to do rapid research over the next year related to the COVID-19 pandemic. **Michael Rotondi** (Kinesiology & Health Science) (6), in collaboration with Indigenous physicians, researchers, and midwives, will develop new statistical methods to estimate the transmission rate and risk factors for COVID-19 for Indigenous Peoples in cities. **Shayna Rosenbaum** (Psychology), York Research Chair in Cognitive Neuroscience of Memory (7) will study biases in decision-making and ways to change decisions in order to protect ourselves and others from COVID-19 as the economy reopens. **Tarra Penney**, (Global Health and Kinesiology and Health Science) (8) and **Mary Wiktorowicz** (Health Policy and Management) (9) will evaluate the governance of wildlife markets in countries where zoonotic epidemics and pandemics emerged, including China and the Democratic Republic of the Congo. A multi-disciplinary team of investigators including **Adrian Viens** (Global Health) (10), **James Orbinski** (Director of York’s Dahdaleh Institute for Global Health Research) (11), and **Peter Tzasis** (Health Policy & Management) (12) will evaluate the governance gap by integrating an institutional, legal and systems analysis of how wildlife markets intersect with livelihoods, cultural practices and food security. The findings will inform international, national and local governance, policy and implementation. **Michaela Hynie** (Psychology) (13) will conduct a one-year project supporting refugee newcomers in accessing virtual mental health services and **Skye Fitzpatrick** (Psychology) (14) will expand a clinical trial set to launch this year that offers an online guided self-help intervention for couples in which one member of the couple is a military member, veteran, first responder, or healthcare worker suffering posttraumatic stress disorder (PTSD) from any cause.

In late March 2020, York’s School of Nursing donated vital personal protective equipment to Mackenzie Health. In total, 3200 N95 masks, 6,200 pairs of medical gloves, and 1 ventilator were provided to help in the fight against COVID-19.



Pooja Talati, Strategy Consultant at Mackenzie Health, receives donated medical supplies from Faculty of Health Dean Paul McDonald.



FACULTY OF HEALTH LOOKING FORWARD

NEW NEUROSCIENCE BSc DEGREE FALL 2020

A BRAIN OR NERVOUS SYSTEM ILLNESS OR INJURY will affect one in three Canadians in their lifetime. Autism, addiction, Alzheimer's disease, depression, dementia, Parkinson's disease, spinal injury, and stroke cost the Canadian economy billions of dollars annually. Understanding the brain and nervous system to address neurological and mental health disorders is one of the most pressing scientific challenges of our time.

Offered by York's Faculty of Health and the Faculty of Science, starting Fall 2020, the new Bachelor of Science in Neuroscience will build upon York's research expertise in neuroscience across disciplines (Kinesiology & Health Science, Psychology, Biology). The interdisciplinary nature of York's program gives students access to renowned researchers working in many different areas of neuroscience, including cellular/molecular, cognitive/behavioural, or systems neuroscience, along with a stimulating, research-based capstone course in fourth year. The program's small size encourages collaboration amongst students, faculty members, and community practitioners as they investigate the development,

structure, and function of the nervous system including the ways it can change – whether naturally or through human intervention.



Learn more: neuroscience.yorku.ca

INTRODUCING THE NEW SCHOOL OF GLOBAL HEALTH AT YORK UNIVERSITY

THE COVID-19 PANDEMIC exemplifies how global health challenges do not recognize borders. Today the health of the world's population is intertwined with broader issues, including wealth disparity, environmental degradation, government policy and human rights. York's Global Health program is rooted in these realities and is committed to improving health outcomes, both locally and globally.

Launched in 2014, the Global Health program was the first dedicated undergraduate (BA and BSc) global health program in Canada. The program is now housed within the new School of Global Health. Launched in July 2020, the School will continue to educate the next generation of global health professionals and leaders to address complex global challenges. Taking the step from program to School will foster the most favourable conditions for growing the program, thanks to the enhanced capacity for intensified research and graduate training.

Global Health graduates have gone on to careers in medicine, research, policy, and nursing, while others have continued on to graduate school. The Faculty of Health is currently seeking approval to launch a bold and flexible PhD program in Global Health in 2022.

Dr. A.M. Viens is the Inaugural Director of the School of Global Health. His research specialization focuses on global health ethics and law. He is a member of York's Global Strategy Lab and the WHO Collaboration Centre on the Global Governance of Antimicrobial Resistance. He is also an Honorary Member of the UK Faculty of Public Health and a Fellow of the Royal Society of Public Health.



Adrian Viens

"Global health is the future," says Dr. Viens. "The greatest threats and opportunities facing the world and future generations hinge on how well we can assure the conditions under which people can be healthy. Whether it is air pollution and climate change, antimicrobial resistance, noncommunicable diseases, or the next pandemic, our shared vulnerability and ability to work collaboratively will determine how bright this future is."

As we contemplate global health issues from our current vantage point, the establishment of a School of Global Health is both prescient and timely, and more critically important than ever.



WELCOME TO OUR NEW FACULTY MEMBERS

THE FACULTY OF HEALTH is very pleased to welcome our newest faculty members who join us in each of our academic units. Our new colleagues will build on the Faculty's reputation for excellence and impact in research, teaching and community partnerships.

1 **Irfan Aslam**
Nursing

7 **Taylor Cleworth**
Kinesiology & Health
Science

2 **Maxwell Barranti**
Psychology

8 **Amrita Daftary**
Global Health
School of Health Policy &
Management

3 **Mavoy Bertram**
Nursing

9 **Ashley Day**
Kinesiology & Health
Science
Photo Credit: Debra
Wensinck

4 **Stephanie Bowerman**
Kinesiology & Health
Science
Photo Credit: Kathryn Bain

10 **Danielle Dunwoody**
Nursing

5 **Joey Cheng**
Psychology

11 **Oghenowede Eyawo**
Global Health
Kinesiology & Health
Science

6 **Ji Yeh Choi**
Psychology

12 **Skye Fitzpatrick**
Psychology



13 Kathleen Fortune
Psychology

17 Leeat Granek
Psychology

21 Alistair Mapp
Psychology

25 Brenda Oraziotti
Nursing
Photo Credit: Bret Tesky

29 Andria Phillips
Nursing

33 Jessica Sutherland
Psychology

14 Valini Geer
Nursing

18 Jaclyn Hurley
Kinesiology & Health Science

22 Jodi Martin
Psychology

26 Archana Paul
Nursing

30 Mathieu Poirier
Global Health
Kinesiology & Health Science

34 Adrian Viens
Global Health
School of Health Policy & Management

15 Kristina Gicas
Psychology
Photo Credit: Germana Mota

19 Mattheow Keough
Psychology

23 George Mochizuki
Kinesiology & Health Science

27 Kristine Pedernal
Nursing

31 Ruth Robbio
Nursing

35 Lynda van Dreumel
School of Health Policy & Management

16 Monica Gola
Nursing

20 Peter Kohler
Psychology

24 Saeed Moradian
Nursing

28 Tarra Penney
Global Health
Kinesiology & Health Science

32 Sandra Skerratt
Nursing



36 **Catriona Buick**
Nursing

39 **Nadia Prendergast**
Nursing

42 **Heather Prime**
Psychology

37 **Agnès Berthelot-Raffard**
School of Health Policy
& Management

40 **Chip Rowan**
Kinesiology & Health
Science

38 **Amanda De Lisio**
Kinesiology & Health Sci-
ence

41 **Jeffrey Wardell**
Psychology

WELCOME TO OUR NEW STAFF MEMBERS

A WARM WELCOME to our newest staff members in the Faculty of Health. Our staff provide crucial support for our students and faculty that is instrumental to their success.

1 **Emanuel Flores**
Financial Assistant

2 **Marianne Koh**
Manager, Programs &
Development

3 **Paola Calderon-Valdivia**
Experiential Education
Coordinator

4 **Louise Solomon**
Centre Coordinator,
YU-CARE and MHRC

Research Support Office:

5 **Sophia Mitchell-Hutson**
Research Operations Manager

6 **Jovita Sundaramoorthy**
Director, Research &
Partnerships

7 **Rebecca Wilson**
Post-Award Administrator

8 **Alicia Hamilton**
Post-Award Administrator

9 **Tasnuva Hasan**
Research Officer

York University's Faculty of Health was founded in 2006 and is comprised of five academic units with varying perspectives. No university in Canada combines these strengths in equivalent depth.

FACULTY OF HEALTH

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