

HOW CAN WE IMPROVE MENTAL HEALTH INEQUITIES AND ACCESS TO CARE FOR VULNERABLE COMMUNITIES?

Should all people with obesity lose weight?

HEALTHY LIVES, HEALTHY COMMUNITIES

HOW CAN SOCIETY BEST SUPPORT CAREGIVERS AND CHILDREN SO THAT ALL YOUTH MAY BENEFIT FROM EQUAL CHANCES OF GROWING UP HEALTHY, OPTIMISTIC, AND RESILIENT?

What education strategies and learning environments improve Internationally Educated Nurse success during university, registration exams, and in the workplace?

WHAT IS THE NATURE OF THINKING IN EARLY INFANCY?



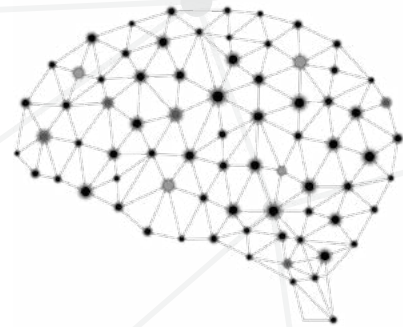
health

YORK
UNIVERSITY

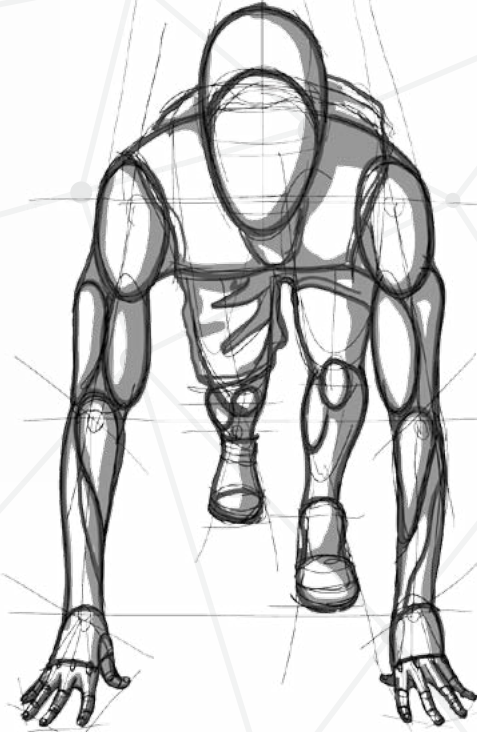
U10
2006 - 2016

These **SIX**
CONNECTED
THEMES

EXEMPLIFY THE
BREADTH AND
DEPTH OF OUR
RESEARCH IN THE
FACULTY OF HEALTH;
THEY SHOWCASE
AREAS WHERE WE
HAVE STRENGTH,
AND WHERE WE'RE
MAKING AN IMPACT.



1 THE BRAIN,
THE MIND
& MENTAL
HEALTH



2 THE BODY, MOVEMENT
& PHYSICAL HEALTH

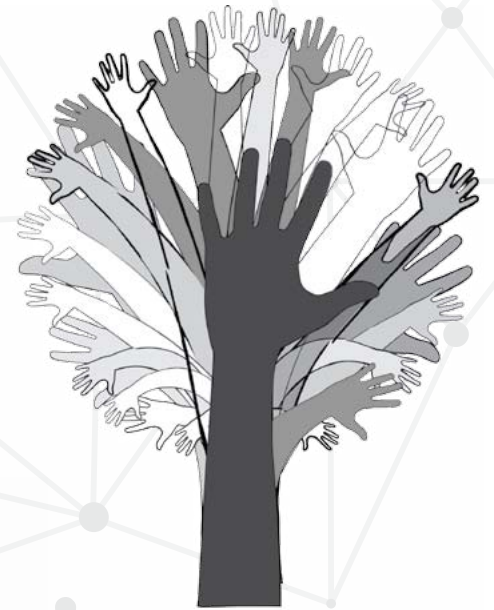
3 HEALTH &
DEVELOPMENT ACROSS
THE LIFESPAN



5 SYSTEMS & POLICIES
FOR HEALTHY
SOCIETIES



4 FUNDAMENTAL
DISCOVERY IN
THE NATURAL
AND SOCIAL
SCIENCES



6 HEALTH & SOCIAL
JUSTICE IN DIVERSE
COMMUNITIES LOCALLY
& GLOBALLY





Research in York's Faculty of Health reflects our aspiration to **keep more people healthier, longer.** Our focus on health first, then care when needed, leads us to ask different questions and push beyond traditional boundaries to make a difference in people's lives through our research.

Our faculty members come from four units – Psychology, Nursing, Kinesiology and Health Science, and Health Policy and Management – and our research encompasses a **DIVERSE** range of approaches and disciplines. Our work spans the full spectrum from individuals to communities; from molecules to global health systems. Research in our Faculty is a microcosm of research across our entire university.

Crucially, our researchers routinely work together, across disciplinary lines, to explore complex issues from many angles. We **CONNECT** to partners outside of academia, whether in a grassroots not-for-profit agency, a local community hospital, a start-up company, or a government ministry. Our knowledge is mobilized in communities as near as Jane-Finch and as far as Rwanda, and we have research ties in more than 30 countries around the world.

Researchers in our Faculty are highly productive: our peer-reviewed funding continues to increase, as do our numbers of publications, conference presentations, and trainees. The **IMPACT** of our research is evident, from basic, curiosity-driven research that advances the state of the art, to applied research that contributes directly to our quality of life. Our researchers are recognized nationally and internationally for their contributions.

DIVERSE. CONNECTED. IMPACTFUL.

RESEARCH IN THE FACULTY OF HEALTH IS HELPING TO CREATE **HEALTHY LIVES AND HEALTHY COMMUNITIES.**



OUR RESEARCH BY *The* NUMBERS

FACULTY OF HEALTH | healthresearch.yorku.ca

138



31



ADJUNCT FACULTY

3 CIHR CHAIRS



CURRENT
CIHR NEW
INVESTIGATORS

2

CURRENT
EARLY
RESEARCHER
AWARD
RECIPIENTS

OVER

650 articles in peer-reviewed journals per year, on average

MORE THAN

\$13.4
MILLION

in external research funding in 13-14

\$4.3 M

IN TRI-COUNCIL RESEARCH FUNDING PER YEAR, ON AVERAGE

CANADA
RESEARCH
CHAIRS

5

DISTINGUISHED
RESEARCH
PROFESSORS

1000+

PEER-REVIEWED
CONFERENCE
PRESENTATIONS
PER YEAR, ON
AVERAGE



\$3.2 M

INVESTED

by CFI and ORF since 2011 in our research infrastructure

RESEARCH CENTRES



MUSCLE HEALTH RESEARCH CENTRE (MHRC)

The MHRC focuses on the importance of muscle health for the overall health and well-being of Canadians. The purpose of this Centre is to facilitate the integrated study of muscle biology in the broadest terms, including muscle development, disease, metabolism, and adaptation to exercise from molecular, cellular and whole-body perspectives.



LAMARSH CENTRE FOR CHILD AND YOUTH RESEARCH

The LaMarsh Centre is home to researchers who share a common interest in promoting scientific understanding of youth and the challenges they face in today's society. Preventing youth violence and promoting positive development is the central focus of the Centre.



YORK INSTITUTE FOR HEALTH RESEARCH (YIHR)

Research at YIHR proceeds from the assumption that the health of individuals and communities reflects a host of interacting variables – social, political, behavioural, economic, biological, cultural and historical. YIHR bridges the divide between the sciences and social sciences to create real-world health solutions.



CENTRE FOR VISION RESEARCH (CVR)

CVR is an international leader in human and machine vision research. Work at the centre is highly interdisciplinary and collaborative, rooted in a fundamental research program that merges techniques in human psychophysics, visual neuroscience and computational theory.



YORK UNIVERSITY CENTRE FOR AGING RESEARCH AND EDUCATION (YU-CARE)

The mandate of YU-CARE is to develop interdisciplinary and culturally-relevant knowledge related to optimizing function and quality of life in aging. The Centre also aims to promote optimal functioning throughout the aging process on individual, system and societal levels, and to build capacity in optimal aging research, education and practice.

OUR RESEARCH CENTRES BRING TOGETHER FACULTY MEMBERS FROM DIFFERENT DISCIPLINES TO FOSTER **COLLABORATION** IN AREAS WHERE YORK IS A RECOGNIZED LEADER. RESEARCHERS IN THE FACULTY OF HEALTH ARE MEMBERS OF 11 DIFFERENT RESEARCH CENTRES AT YORK; THESE FIVE ARE THE ONES WHERE WE HAVE THE MAJORITY OF MEMBERS, CREATING AND MOBILIZING KNOWLEDGE TO ADDRESS COMPLEX HEALTH ISSUES.

RESEARCH THAT'S CONNECTED

[PARTNERSHIPS]

Applying academic research to real-world problems is a priority for many of our researchers.

OUR CONNECTIONS WITH COMMUNITY, GOVERNMENT, HEALTHCARE AND INDUSTRY PARTNERS HELP US **PUSH BEYOND TRADITIONAL BOUNDARIES**, TO INCORPORATE INTERDISCIPLINARY APPROACHES, AND TO RESPOND TO THE ISSUES AND CHALLENGES THAT SHAPE OUR WORLD.

We have joint Research Scientist programs with Southlake Regional Health Centre and North York General Hospital, fostering new avenues for research and knowledge exchange. Our researchers are embedded in the hospital, working directly with clinicians and administrators. Together with University Health Network (UHN), we created the York-UHN Nursing Academy to provide a gateway to new research and educational opportunities for nurses and other health professionals, and the Dotsa Bitove Wellness Academy for persons living with memory loss, their families and care partners. The Faculty of Health is a founding member of CreateIT Now, an innovation and commercialization incubator focused on advanced health informatics and connected medical devices. We are formally partnered with the Toronto Central Community Care Access Centre to provide research and training opportunities in

the home and community care sector, and with Revera Long Term Care Inc. to deliver specialized training in clinical leadership and conduct joint research in aging. Our \$37M Connected Health and Wellness Project, funded by FedDev Ontario, brought together 19 public, private and academic partners to enhance life-long wellness through improved access to trusted health information, health coaching and technology advancements that sustain wellness.

Hello
my name is

Southlake Regional Health Centre,
North York General Hospital,
University Health Network, Dotsa
Bitove Wellness Academy, CreateIT Now,
Toronto Central Community Care Access
Centre, Revera Long Term Care Inc,
Central Local Health Integration
Network...

RESEARCH WITHOUT BORDERS

We conduct research in our own neighbourhood and all over the globe. Our researchers have **ACTIVE COLLABORATIONS** in more than 30 countries.

ARGENTINA, AUSTRALIA, AUSTRIA, BRAZIL, COLUMBIA, CHILE, COSTA RICA, ENGLAND, FINLAND, FRANCE, GERMANY, INDIA, IRELAND, ISRAEL, ITALY, JAPAN, KENYA, LEBANON,

NEPAL, NETHERLANDS, NORWAY, PAKISTAN, RUSSIA, RWANDA, SOUTH AFRICA,

SOUTH KOREA, SPAIN, SWEDEN, SWITZERLAND, TAIWAN, USA, WALES

1 | BRAZIL
Psychology, History, and Culture: Comparative Perspectives from Brazil and Canada

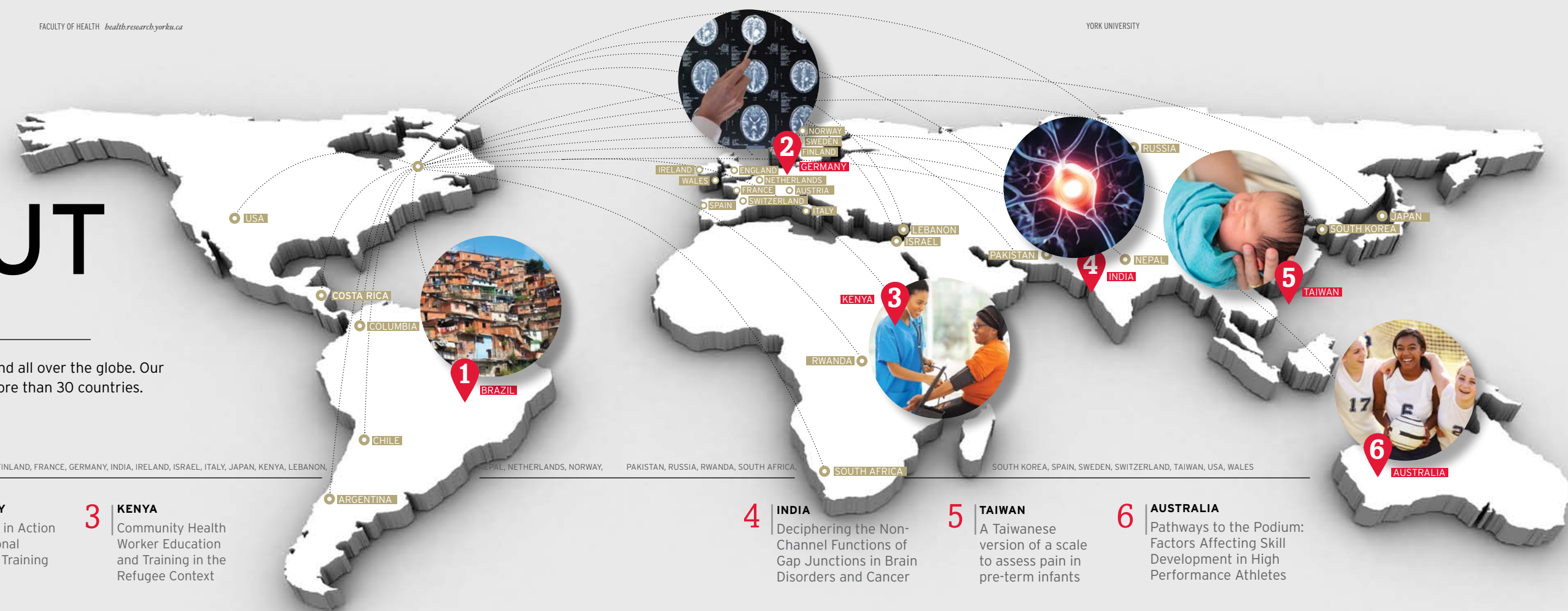
2 | GERMANY
The Brain in Action International Research Training Group

3 | KENYA
Community Health Worker Education and Training in the Refugee Context

4 | INDIA
Deciphering the Non-Channel Functions of Gap Junctions in Brain Disorders and Cancer

5 | TAIWAN
A Taiwanese version of a scale to assess pain in pre-term infants

6 | AUSTRALIA
Pathways to the Podium: Factors Affecting Skill Development in High Performance Athletes



FACULTY OF HEALTH

RESEARCHERS of TOMORROW

The Faculty of Health is home to more than 600 graduate students and 22 post-doctoral fellows. This next generation of researchers is being trained in the cutting-edge theories, techniques, and approaches that will shape the health of our future society, pushing their fields to levels we can't yet imagine. Some of Canada's top trainees study in our five graduate programs – Health, Critical Disability Studies, Nursing, Kinesiology and Health Science, and Psychology – and they have earned an impressive array of external scholarships and awards. Beyond basic academics, our graduate students benefit from skills training, international opportunities, internships, placements and entrepreneurship resources to ensure they are not only accomplished future researchers, but outstanding future citizens.



10 Joseph-Armand Bombardier Canada Graduate Scholarships

2 Alexander Graham Bell Canada Graduate Scholarships

5 Frederick Banting and Charles Best Canada Graduate Scholarships

IN 2013-2014

115 DOCTORAL SCHOLARSHIPS

68 MASTERS SCHOLARSHIPS

WORTH MORE THAN

\$2.3
MILLION

1 VANIER CANADA GRADUATE SCHOLARSHIP

CANADA'S MOST PRESTIGIOUS GRADUATE SCHOLARSHIP



2 ONTARIO TRILLIUM SCHOLARSHIPS



YORK UNIVERSITY

From our innovative **RESEARCH CENTRES** and remarkable **TRAINEES**, to our truly **GLOBAL REACH** and vital community **PARTNERSHIPS**, we hope we have given you a taste of what research in Health is all about.

You can learn more about our six thematic areas of research strength, including individual profiles of some of our renowned faculty members, by visiting our Healthy Lives, Healthy Communities feature website health.research.yorku.ca.

The future of research in the Faculty of Health is very bright. We invite you to join us on our journey to keep **more people** and their communities **healthier, longer**.

HARVEY SKINNER, DEAN

WILLIAM GAGE, ASSOCIATE DEAN, RESEARCH & INNOVATION

THANK YOU

FOR TAKING THE TIME
TO READ ABOUT THE
INCREDIBLE RESEARCH
THAT IS HAPPENING AT THE
FACULTY OF HEALTH.



How do we live,
transform and grow
with loss in our

lives?

WHAT ASPECTS
OF THE
ORGANIZATION
AND
MAINTENANCE OF
HEALTHCARE CAN
WE CHANGE TO
IMPROVE PATIENT
SAFETY?

HOW HAS PSYCHOLOGICAL EXPERTISE
CHANGED THE WAY WE LIVE, LOVE,
AND LEARN?

HOW DO YOU IMPROVE
CHILDREN DURING P
MOTHERHOOD? What
in a variety of health

What policies and pr
support health equi
access to care for L
people and other mi
communities?



CONTACT US

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WWW.ADVANCEMENT.YORKU.CA/GET-INVOLVED/GIVE-TO-YORK/

WHY IS THE WOUNDED
BRAIN HAVING TROUBLE
THINKING AND MOVING
AT THE SAME TIME?

