

SCHULICH SCHOOL OF
MEDICINE & DENTISTRY
WESTERN UNIVERSITY

2023

DEAN'S REPORT

ANNUAL PERFORMANCE REVIEW



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A MESSAGE FROM DEAN JOHN YOO



In 2023, our School witnessed record-setting growth.

Leveraging our strengths in people, research and scholarship, and by investing in our future, our School continued to make tremendous progress on key priorities highlighted in our five-year Strategic Plan, including:

- **Addressing the urgent health-care needs of Southwestern Ontario:**

We are training more doctors than ever before. With support from the Government of Ontario, our School added 16 additional undergraduate medical seats, allowing us to welcome our largest-ever cohort of 190 first-year medicine students. Our School is continuing to work closely with hospitals and training partners in London and the region to provide quality medical education to our learners and to prepare them for real-life challenges in real-world settings.

- **Enhancing research impact:**

In 2023, our School achieved over \$164 million in research grant funding. This record-setting figure speaks to the strides our community has made in identifying future research areas and aligning our strengths to build efficiencies and innovative solutions.

- **Commitment to social change:**

Our School continued to engage with the broader community, analyzing their health-care needs and delivering on the promise of inclusivity and a sense of belonging through special initiatives, research targeted at addressing social inequities, and by bridging gaps in health care.

- **Forging key partnerships for greater impact:**

Our partners in education, research and health care are our strengths. In 2023, we invested in these partnerships to establish new endowed research chairs that promise to tackle some of the pressing concerns faced by our communities, including kidney care, organ transplantation, eye health and cancers.

Sharing these highlights fills me with gratitude and pride for our community that has put in selfless devotion, often going above and beyond to deliver what we see as statistics. However, each number signifies a person, and their effort can and will better the lives of others.

The numbers mentioned in this report are adding up to a record year, telling our story of growth, as we reach our goals and continue to set new ones.

Sincerely,

John Yoo, MD, FRCS(C), FACS
Dean, Schulich School of Medicine & Dentistry
Western University

2023 AT A GLANCE

- > **190 FIRST-YEAR MEDICINE STUDENTS:** In fall 2023, Schulich Medicine welcomed its **largest-ever cohort of 190 first-year undergraduate medicine students**, including 16 new seats funded by the Government of Ontario. This expansion of medical education is pivotal for addressing the health-care needs of Southwestern Ontario and bridging service gaps, ensuring a more robust health-care infrastructure for the region.
- > **GROUNDBREAKING RESEARCH:** In 2023, Schulich Medicine & Dentistry became a **major partner in the Canadian Hub for Health Intelligence and Innovation in Infectious Diseases (HI3)**, leading the development of vaccines and therapeutics to combat infectious diseases. The School's participation in HI3 aligns with its strategic priority to establish collaborative research with key academic and industry partners. The School is **set to launch the Viral Pandemic Preparedness Program (VP3) with the new Pathogen Research Centre (PaRC) breaking ground in spring 2024**.
- > **\$24 MILLION FOR DRUG DEVELOPMENT:** The School received a \$24-million boost from the federal New Frontiers in Research Fund (NFRF) to **establish a research platform aimed at accelerating drug development for neurodegenerative diseases**, such as Parkinson's and Alzheimer's. The first-of-its-kind platform brings together a series of cutting-edge tests focused on evaluating how potential therapies impact cognition, such as memory, thinking skills and learning, from cell cultures to animal models. With an aim to discover drug candidates that will be successful in human clinical trials within six years, the platform bolsters our research impact.
- > **CANADA'S FIRST:** In November, the Centre for Functional and Metabolic Mapping (CFMM) added **Canada's first 15.2 Tesla magnetic resonance imaging (MRI) system** to its existing state-of-the-art, ultra-high field MRI systems.
- > **TOP-TIER TALENT:** In alignment with its strategic goals, Schulich Medicine & Dentistry has been actively recruiting top researchers, notably Dr. Robyn Klein, in 2023. As the new **Canada Excellence Research Chair in Neurovirology and Neuroimmunology**, Dr. Klein is set to pioneer Canada's first research program on the effects of infectious diseases on brain function, enhancing the School's research stature globally.
- > **SCIENCE FOR ALL:** In line with the School's commitment to social accountability, **a new summer program was launched to make biomedical sciences more accessible for students from diverse backgrounds. The Experiential Learning Academy for Biomedical Sciences (X-LABS)** program introduces promising students from area high schools to every aspect of a potential career in biomedical sciences with an opportunity to work alongside world-renowned faculty and researchers in their labs.

TOTAL ENROLMENT OF ALL PROGRAM YEARS

- > **702** Doctor of Medicine (MD) students, including the 152 enrolled at the Schulich Medicine & Dentistry Windsor Campus
- > **281** Doctor of Dental Surgery (DDS) students
- > **59** students in the Advanced Standing Program for International Dental Graduates
- > **1,217** students in Years 3 and 4 of the Bachelor of Medical Sciences Program
- > **74** Undergraduate Program in Neuroscience (BSc) students
- > **1,134** postgraduate medical trainees (residents and fellows)
- > **4** hospital-based postgraduate dental residents
- > **940** research trainees (509 master's, 319 doctoral, 112 postdoctoral scholars)
- > **9** graduate students with specialized training in the Orthodontics and Dental Facial Orthopaedics Program
- > **6** graduate trainees in the Oral and Maxillofacial Surgery Program
- > **57** students in professional Master of Public Health degree

EDUCATION





PROGRAM OFFERINGS

The Schulich School of Medicine & Dentistry offers a range of degree and combined degree programs for undergraduate, graduate and postgraduate learners.

Undergraduate Programs

Bachelor of Medical Sciences (BMSc)
Bachelor of Science (BSc) – Neuroscience

Graduate Studies and Postdoctoral Affairs

18 graduate programs, including:
Master of Clinical Science (MCISc)
Master of Health Science (MHSc)
Master of Science (MSc)

Postgraduate and Clinical Graduate Programs

General Practice Residency, Dentistry
Graduate Orthodontics
Medicine (PGME)
Oral and Maxillofacial Surgery

Professional Programs

Advanced Standing Program for International Dental Graduates
Doctor of Dental Surgery (DDS)
Doctor of Medicine (MD)
Master of Public Health (MPH)
Pathologists' Assistant Program (MCISc)

Combined Degree Programs

BMSc/HBA (Business Administration)
Dental Clinician Scientist
MD/PhD
MD+ Track
PhD in Medical Biophysics/CAMPEP*

Professional Development

Continuing Medical Education
Continuing Dental Education
Faculty Development

* CAMPEP (Commission on the Accreditation of Medical Physics Educational Programs)



EDUCATION HIGHLIGHTS

BACHELOR OF MEDICAL SCIENCES UNDERGRADUATE EDUCATION/NEUROSCIENCE

- **BOLSTERING RESEARCH CULTURE:** In line with the School's commitment to enhancing research impact, Dr. Brian Dempsey, assistant professor in the Department of Biochemistry, introduced **a new student-directed research project course** (BIOCHEM 4484E). In the course, student teams work with faculty mentors to build, test and defend a lab research project. The course also serves as a pilot for similar courses in other programs in Bachelor of Medical Sciences Undergraduate Education (BMSUE).
- **INNOVATIVE INCUBATORS:** Schulich Medicine & Dentistry students are strengthening the School's research impact by **addressing health inequities using frugal biomedical innovations**. Among these students is recent BMSc grad Haechan (Justin) Yang, who was part of a team developing a low-cost microscope to diagnose malaria. The team's microscope was showcased at the World's Challenge Challenge competition. Yang was also recognized with the Gold Medal award in Honours Specialization in Medical Biophysics and the Strik Couprie Inch Cancer Research Course Prize.

DENTISTRY

- **SERVING COMMUNITIES IN NEED:** The Dentistry Surgical Care Unit (DSCU) continues to serve the community by supporting local dentists and eight dental public health units. **The unit doubled its service to 42 operational days in 2023 and increased the number of children treated by 77 per cent, serving 142 children** who previously encountered barriers accessing general anaesthesia services. Dedicated nurses, assistants and London Health Sciences Centre (LHSC) medical anaesthesia partners supported this expansion and remain steadfastly committed to caring for patients in need. Adult dental care under general anaesthesia will begin in 2024 as the DSCU continues its expansion to improve care for those with access challenges.
- **BRINGING BACK PRECIOUS SMILES:** A generous donation by alumnus Dr. Bryan Williams, DDS '74 was instrumental in accomplishing the **renovation of the paediatric clinic to make it more accessible for children with special needs**. As part of the renovations, two cubicles and the main entrance doors were widened to accommodate wheelchairs, and the reception counter was lowered to be more patient-friendly.
- **BUILDING EFFICIENCIES:** Three industrial-sized sterilization units in Dentistry's Dispensary were replaced with more energy-efficient ones. These units are more ergonomic for loading and unloading materials. These **upgrades save 90 minutes per day**, allowing more time to be spent on clinic education and patient care needs.

GRADUATE STUDIES AND POSTDOCTORAL AFFAIRS

- **THINKING GLOBAL:** The Global Health Systems Master of Health Sciences (MHSc) program officially became a **Senate-approved graduate program** at Western University. The joint graduate program with the Faculty of Health Sciences provides students with a cutting-edge curriculum focused on international health, particularly in marginalized populations. Themes of lifestyle-related diseases, and diseases of poverty are explored, while providing practical skills related to budget and grant management, cultural practices, research ethics and health-care leadership.
- **PROVIDING CRITICAL SKILLS:** The one-year, course-based Master of Science in Interdisciplinary Medical Sciences (IMS) **program doubled its cohort** to 31 students in May 2023. Advancing the School's mission to provide outstanding education, the program introduces students to the knowledge and practices related to research fields at Schulich Medicine & Dentistry. Students develop skills like collaboration, communication and critical thinking, opening doors to various career opportunities in the health-care sector.

DOCTOR OF MEDICINE

- > **PROVIDING QUALITY MEDICAL EDUCATION:** In fall 2023, the **MD program engaged in the Committee on Accreditation of Canadian Medical Schools (CACMS) accreditation process**, a standards-based peer-review process that reviews Doctor of Medicine (MD) programs. This process ensures that MD programs possess the essential processes to meet the mandated elements consistent with medical education quality. Undergraduate Medical Education staff, students, faculty and senior leadership at the London and Windsor campuses met with the survey team virtually and in person during the accreditation process. The final report will be shared with the School in the spring of 2024.
- > **TRAINING MORE DOCTORS:** Beginning in September 2023, the Ontario Ministry of Health expanded medical education with additional medical seats for physician training. The Schulich Medicine & Dentistry MD program received **16 additional seats**, allowing the School to welcome 190 medicine students to its first-year cohort of the MD class of 2027. Three of the 16 students were placed at the Windsor Campus, including one accepted through the MD-International pathway. The remaining 13 seats were placed at the London Campus.
- > **ENSURING SEAMLESS TRANSITION OF LEARNERS:** The MD Program has **established a Competence Committee and an Advisory Board** to support students' academic performance early in their training. Both committees are part of all Postgraduate Medical Education (PGME) programs to ensure a smooth transition of medical students into residency.

POSTGRADUATE MEDICAL EDUCATION

- > **CULTIVATING NEW LEADERS:** In line with the School's strategic priority to invest in leadership development for faculty, staff and learners, the first of a four-session **Certificate in Leadership Program was launched in November 2023**. Over 40 residents collaborated with each other and faculty to develop vital leadership skills. In 2024, leadership development will be offered via the popular two-day Resident as Teacher Bootcamp and a new Serious Illness Conversations Retreat.
- > **MEETING STANDARDS IN RESIDENCY TRAINING:** Residency programs in Ophthalmology, Pain Medicine and Paediatric Emergency Medicine **continued the transition to Competency by Design (CBD)** in 2023. In a CBD system, a curriculum is organized around the outcomes expected of a resident and that resident's advancement depends on achieving those expected outcomes. Gynecologic Reproductive Endocrinology & Infertility and Infectious Diseases will transition to CBD in 2024. This nationwide undertaking began in 2017 and by July 2024, almost 94 percent of Royal College residency programs at Schulich Medicine & Dentistry will have transitioned to CBD.

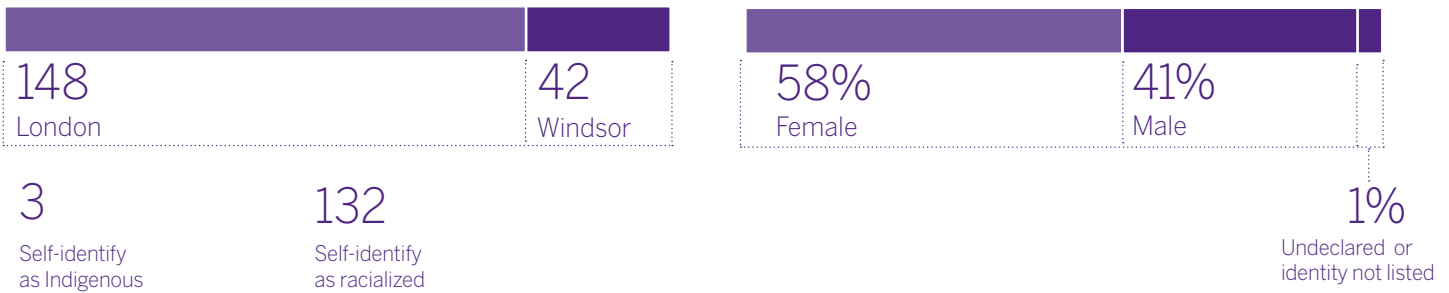
EDUCATION NUMBERS

DOCTOR OF MEDICINE:

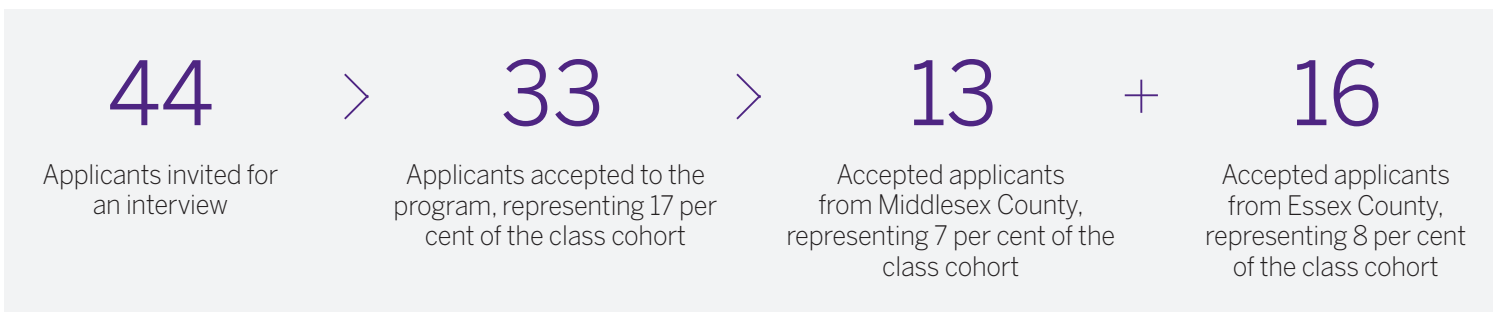
Medicine Class of 2027 profile



Demographics of 190 enrolled students

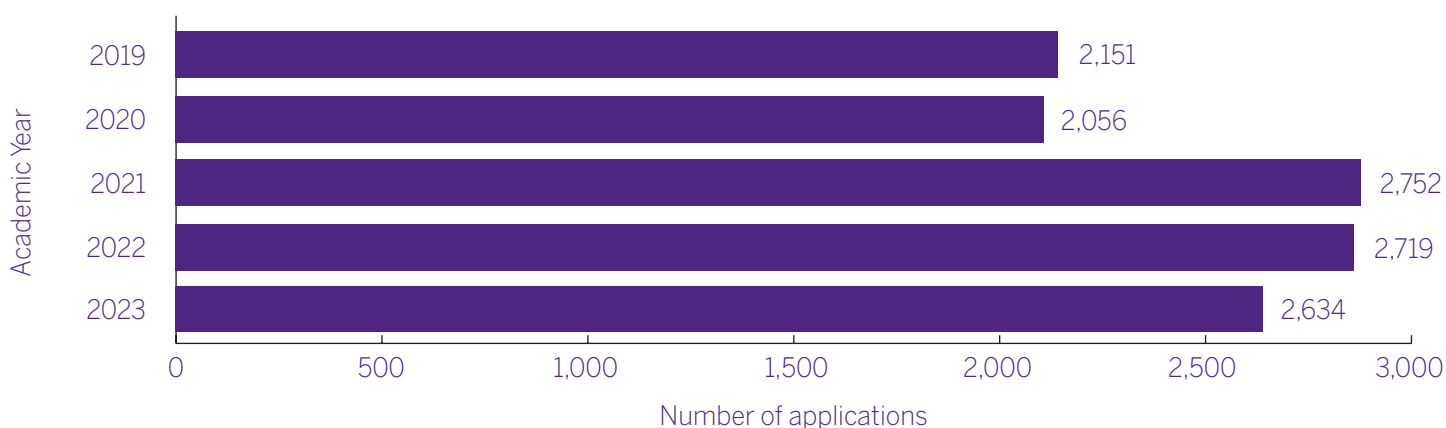


Applicants from Southwestern Ontario



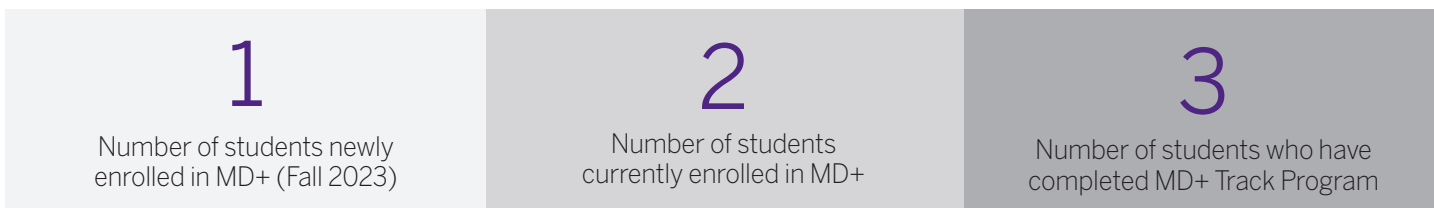
DOCTOR OF MEDICINE:

Schulich Medicine applications 2019-2023



MD+ PROGRAM (LAUNCHED IN 2021)

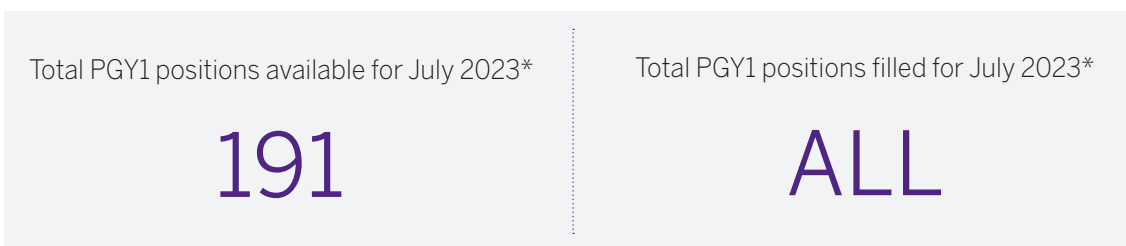
The MD+ track offers an opportunity for MD students to complete a graduate degree or diploma while earning their degree.



POSTGRADUATE MEDICAL EDUCATION:

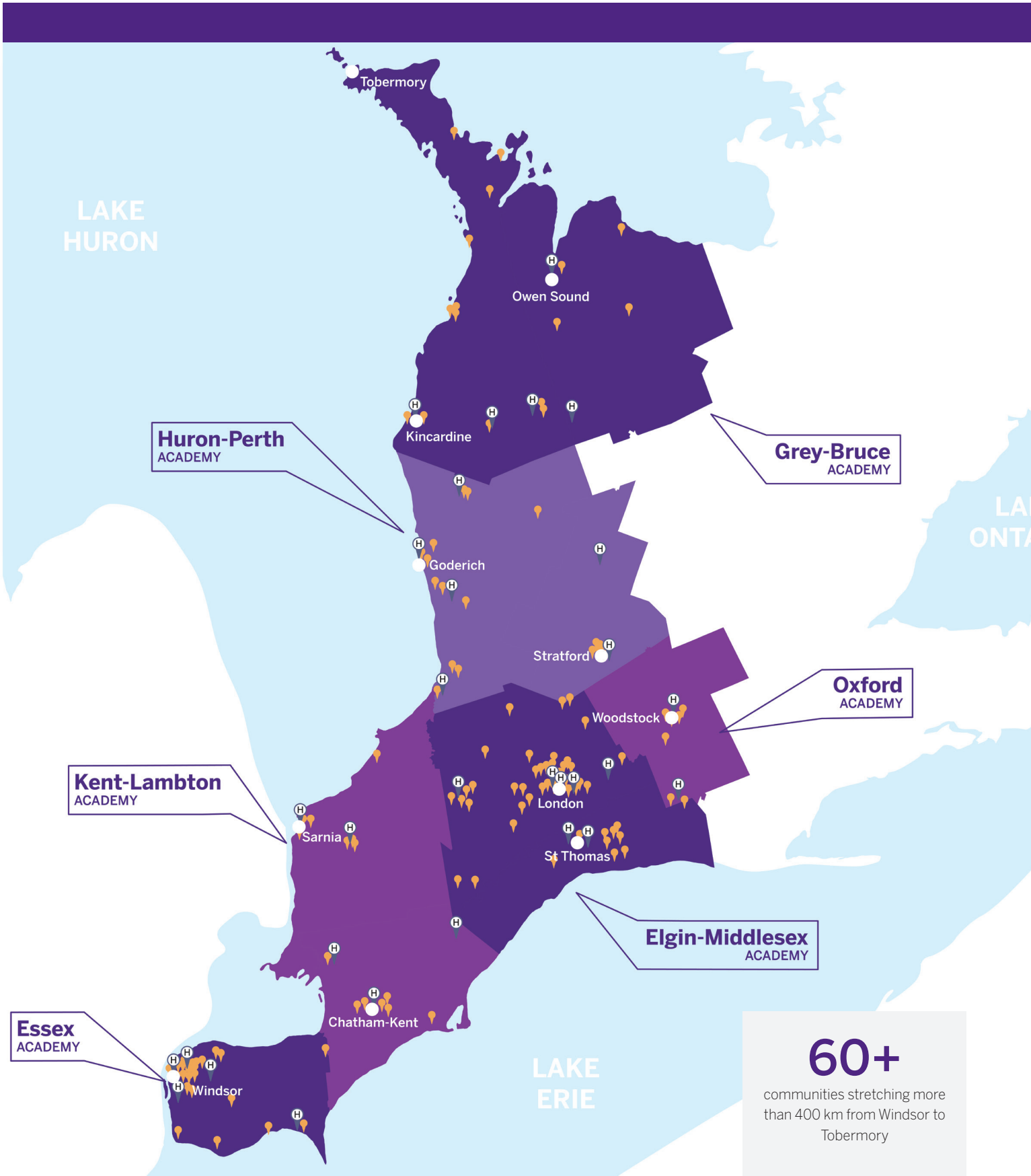
Total enrolment for 2023-2024

1,134



*All available CaRMS positions were filled for 2023. In 2024, 207 positions will be available.

DISTRIBUTED EDUCATION:



ELGIN-MIDDLESEX ACADEMY

London Health Sciences Centre
(not a Distributed Education site)

St. Joseph's Health Care London
(not a Distributed Education site)

Middlesex Hospital Alliance
Strathroy, Newbury

St. Thomas Elgin General Hospital

ESSEX ACADEMY

Hôtel-Dieu Grace Healthcare

Windsor Regional Hospital

Windsor Family Health Centre

Erie Shores Healthcare

GREY-BRUCE ACADEMY

Brightshores Health System
(formerly Grey Bruce Health Services)
Southampton, Owen Sound, Markdale

South Bruce Grey Health Centre
Walkerton, Kincardine, Durham, Chesley

Hanover & District Hospital

HURON-PERTH ACADEMY

Huron Perth Healthcare Alliance
Clinton, St. Mary's, Seaforth, Stratford

Listowel-Wingham Hospital Alliance
Listowel, Wingham

Alexandra Marine & General Hospital

South Huron Hospital Association

KENT-LAMBTON ACADEMY

Bluewater Health
Sarnia, Petrolia

Chatham-Kent Health Alliance
Chatham, Wallaceburg

OXFORD ACADEMY

Woodstock General Hospital

Alexandra Hospital

Tillsonburg District Memorial Hospital

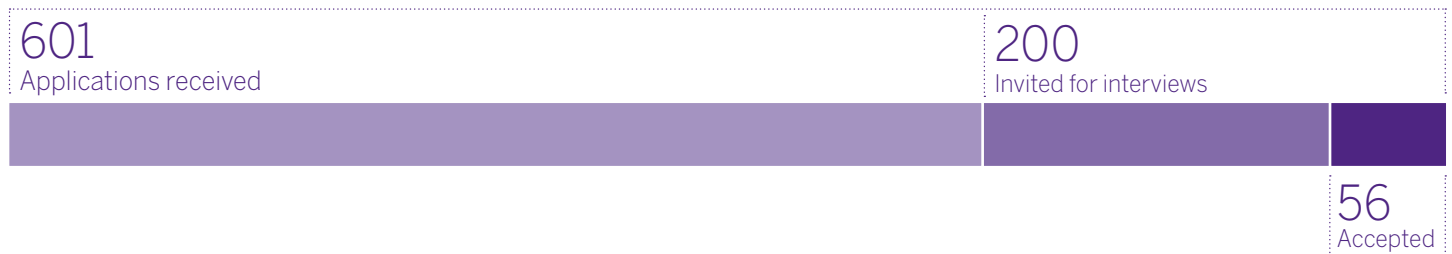
Distributed Education (DE) learners:

	Residency training	Clerkship training (Year 3)	Elective training (Pre-clerkship & Year 4)	Discovery Week (Year 1)	Total
Number of learners	565	216	171	170	952
Average amount of time a learner spends in DE	1.5 months	3 months	2 months	1 week	

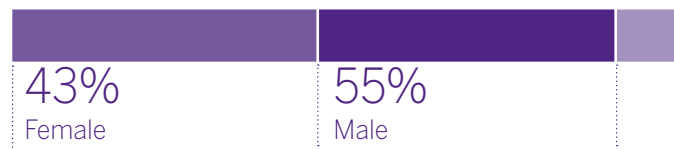
1,766 Training months reported to the Ontario Ministry of Health and Long-Term Care in 2023

DOCTOR OF DENTAL SURGERY:

Dentistry Class of 2026 profile



Demographics of the 56 accepted students

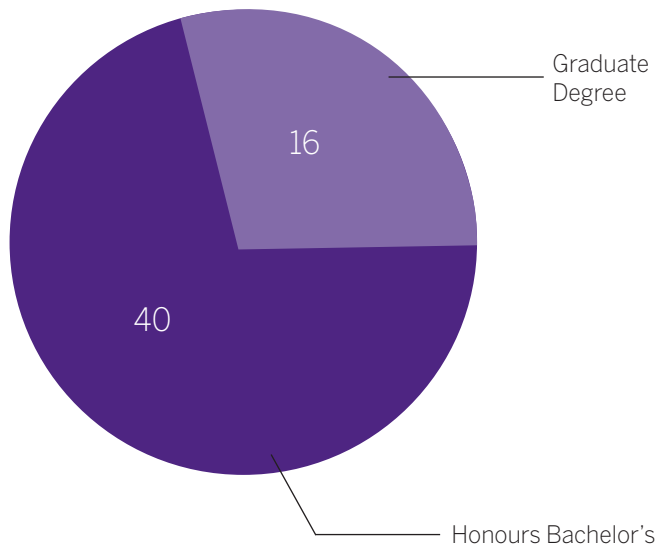


55 + 1 DCS
(Dental Clinician Scientist)

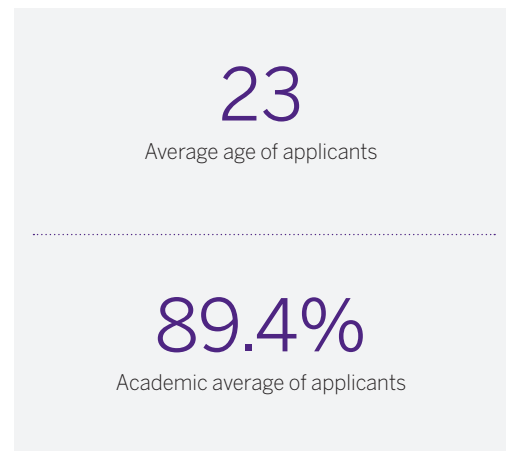
- 49** From Ontario
- 2** From British Columbia
- 2** From Alberta
- 2** From Québec
- 1** From Prince Edward Island

Applicant degrees

2%
Undeclared or
identity not listed



Additional applicant information

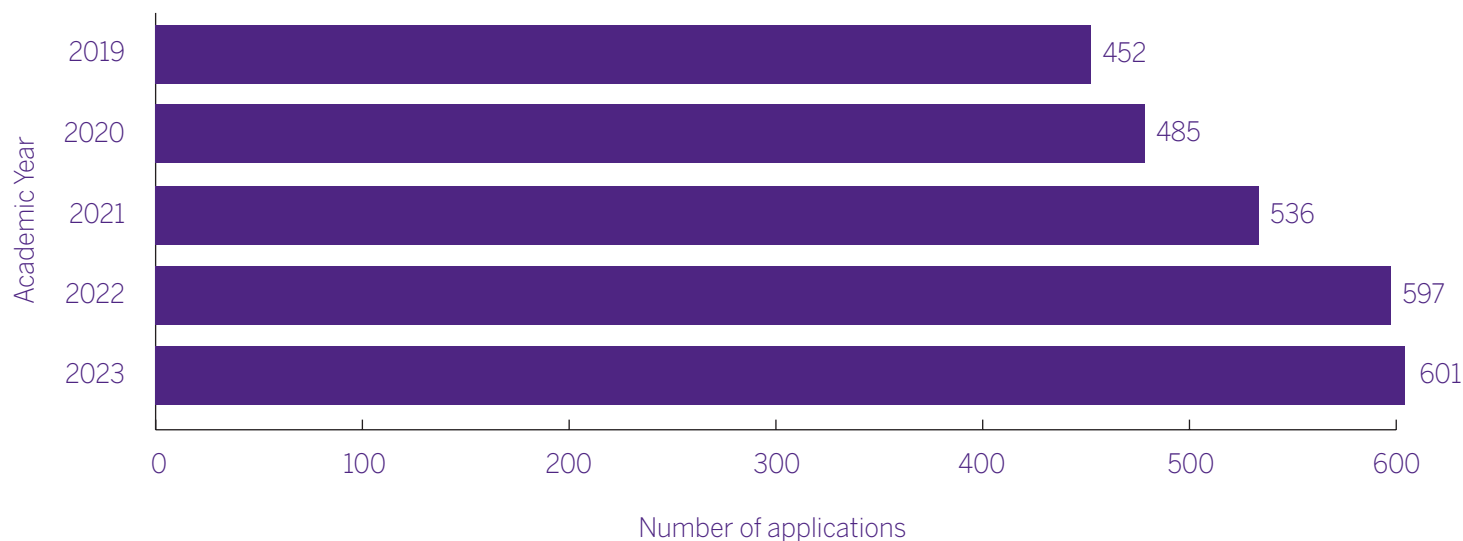


DOCTOR OF DENTAL SURGERY:

Schulich Dentistry applications for academic years 2019-2023

+33%

Increase in applications over the past 5 years



ADVANCED STANDING PROGRAM FOR INTERNATIONAL DENTAL GRADUATES:

Seats available for Advanced Standing Program in 2023

20

Total program seats filled

ALL

Applications received for the Advanced Standing Program for International Dental Graduates for the academic years of 2019-2023

2019	2020	2021	2022	2023
228	135	97	85	119

BACHELOR OF MEDICAL SCIENCES:

Basic Medical Sciences Undergraduate Education 2019-2023

	Year 3	Year 4	Total
2019-2020	492	494	986
2020-2021	604	508	1,112
2021-2022	634	575	1,209
2022-2023	633	633	1,266
2023-2024	526	691	1,217

Undergraduate Neuroscience total enrolment 2019-2023

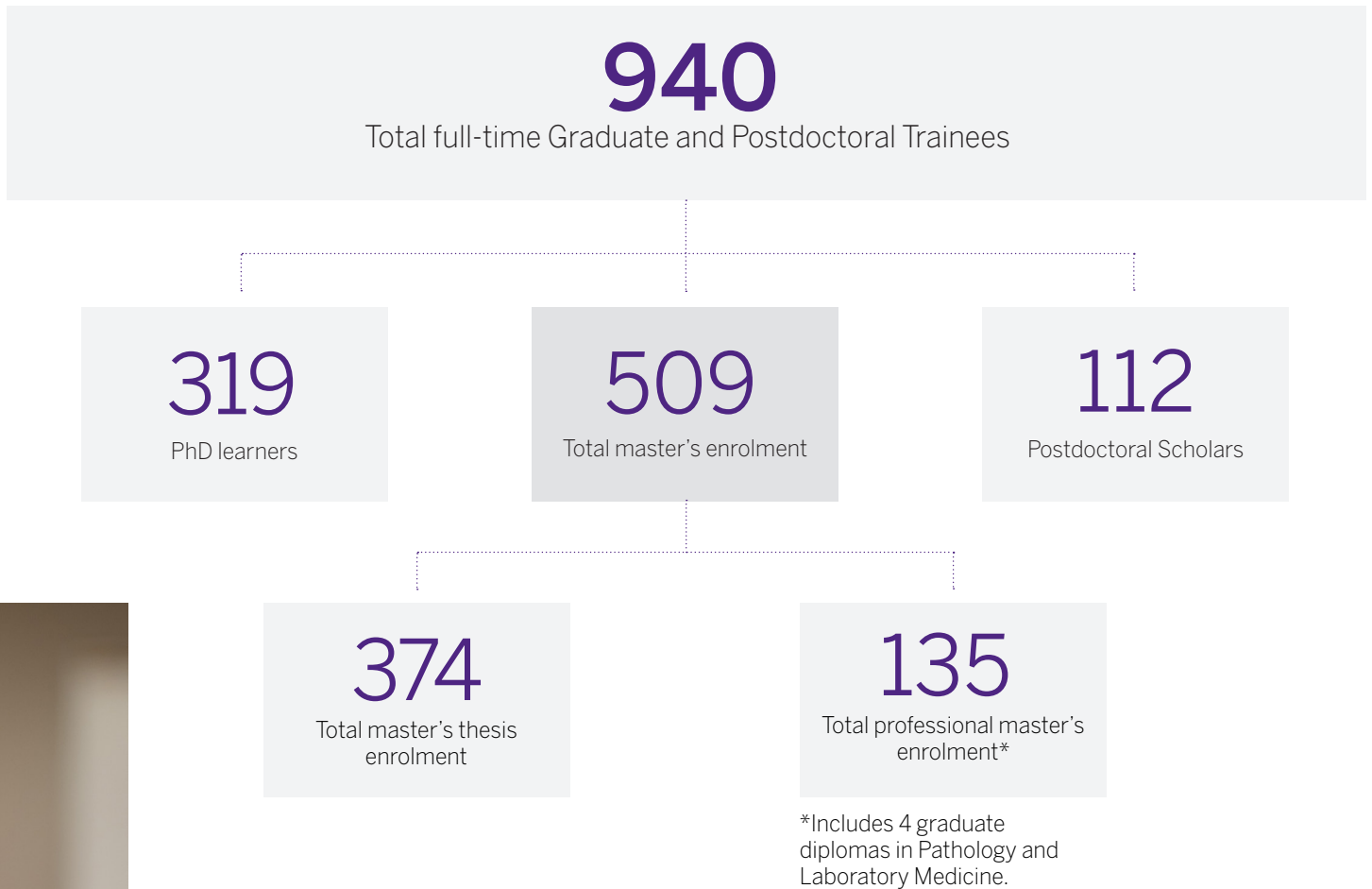
	Year 2	Year 3	Year 4	Total
2019-2020	30	25	27	82
2020-2021	30	31	26	87
2021-2022	30	29	29	88
2022-2023	24	29	25	78
2023-2024	26	22	26	74

The Honours Specialization in Neuroscience leads to a Bachelor of Science Honours degree. Admission begins in Year 2, with the majority of the students coming from Year 1 Medical Sciences.



GRADUATE STUDIES AND POSTDOCTORAL AFFAIRS:

Current full-time enrolment as of January 1, 2024



FINANCIAL AWARDS & ACCESSIBILITY





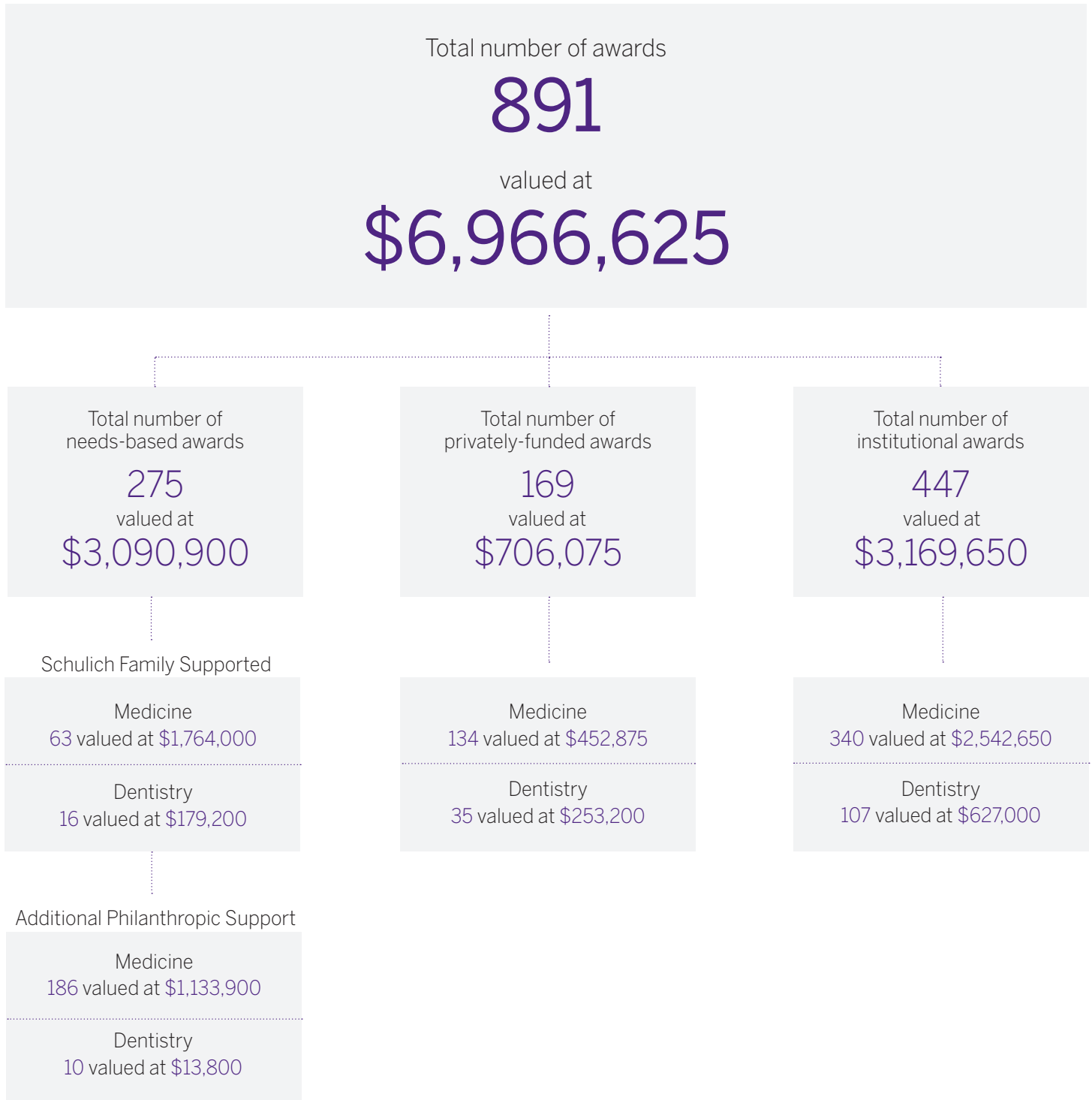
Monetary breakdown of annual scholarships supported by Mr. Seymour Schulich (May 1, 2022 - April 30, 2023)

MEDICINE	DENTISTRY	GRADUATE STUDIES
\$1,764,000 total value of scholarships for 2022-2023	\$179,200 total value of scholarships for 2022-2023	\$750,000 total value of scholarships for 2022-2023
63 annual recipients	16 annual recipients	50 annual recipients
\$28,000 value per year, per student	\$11,200 value per year, per student	\$15,000 value per year, per student
\$112,000 total value per student over length of program (4 years)	\$44,800 total value per student over length of program (4 years)	N/A total value per student depends on program length

Grants and award funding for graduate students (May 1, 2022 - April 30, 2023)

Type of Scholarship	Basic Medical Sciences	Neuroscience	Total funds
Western Graduate Research Scholarships	\$2,004,073	\$986,880	\$2,990,953
Natural Sciences and Engineering Research Council	\$1,188,834	\$394,333	\$1,583,167
Other (private organizations, industry)	\$721,694	\$482,023	\$1,203,717
Canadian Institute of Health Research	\$755,834	\$220,833	\$976,667
Ontario Graduate Scholarships	\$750,000	\$225,000	\$975,000
Dean's Research Scholarship	\$176,000	\$66,200	\$242,200
Vanier Canada Graduate Scholarship	\$100,000	\$50,000	\$150,000
Translational Breast Cancer Research Unit Scholarship	\$81,333	-	\$81,333
Ontario Trillium	\$26,667	-	\$26,667
Social Sciences and Humanities Research Council	\$17,500	\$5,833	\$23,333
Total Funding	\$5,821,935	\$2,431,102	\$8,253,037

Financial assistance breakdown for Medicine and Dentistry students (May 1, 2022 - April 30, 2023)





OPERATIONS & ADMINISTRATION



FACILITIES HIGHLIGHTS

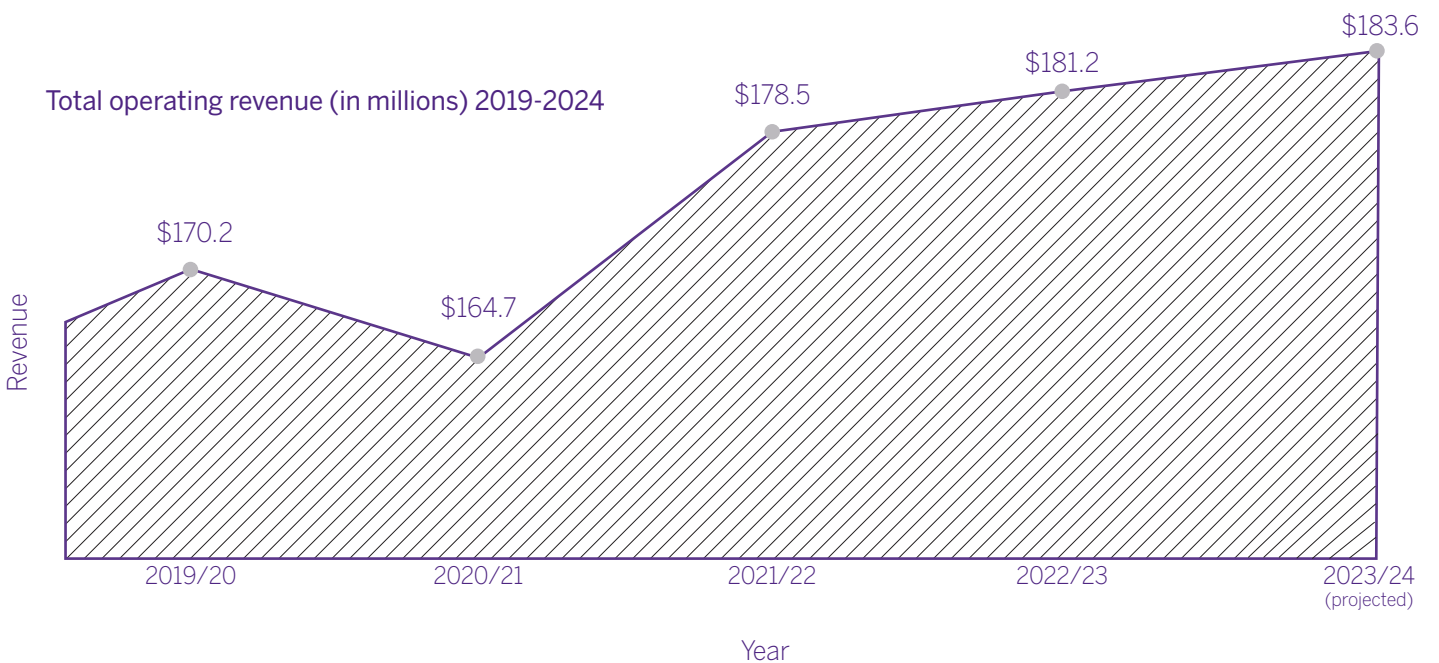
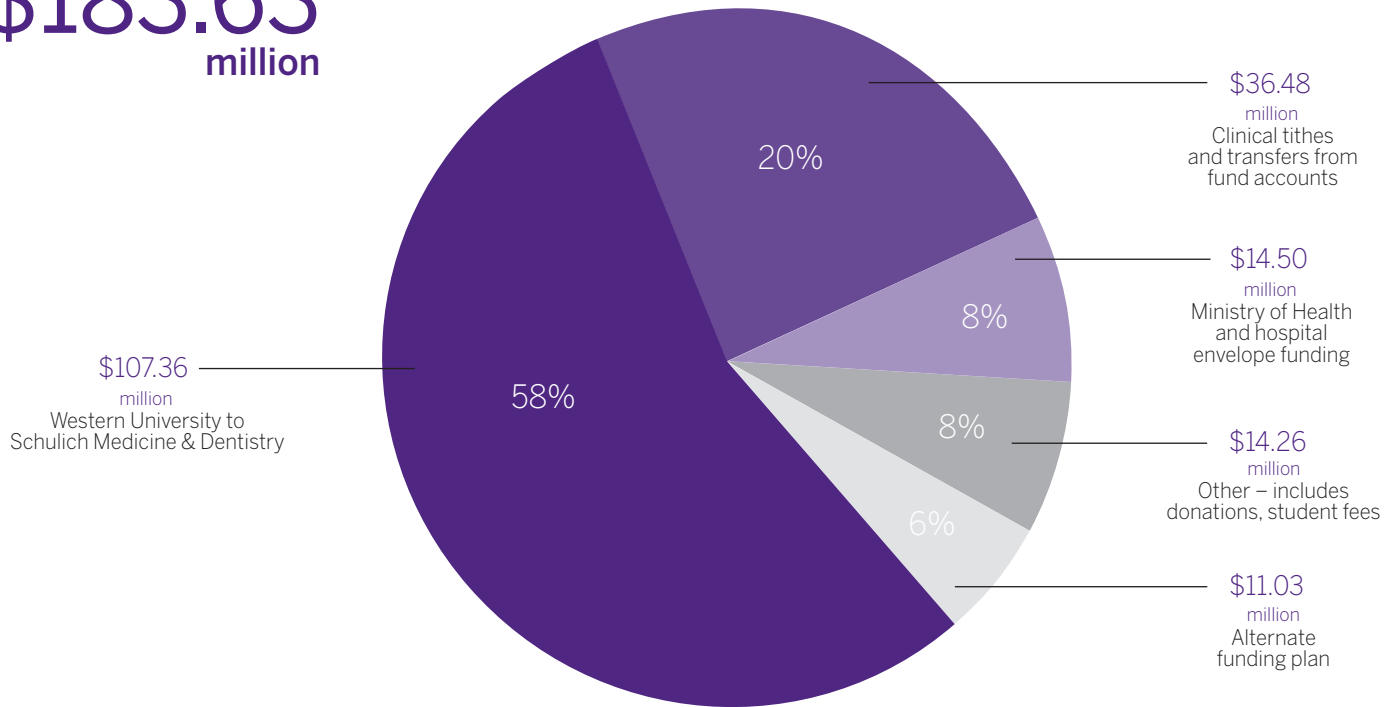
- > **The first-of-its-kind in Canada, a 15.2T MRI scanner was installed in November 2023.** The scanner will enable researchers to study the brain with unprecedented resolution.
- > Renovations were completed in Medical Sciences Building room 180 to provide a **new home for the administration offices of the growing Basic Medical Science Undergraduate Education program.**
- > Renovations were completed in Medical Sciences Building room 210 to provide **new teaching facilities for the Department of Physiology & Pharmacology.** This facility will allow students in the BMSc program to learn tissue culture in a controlled and supervised environment.
- > **Upgraded cooling capacity renovations have been completed** in Dental Sciences Building room 0014 and Medical Sciences Building room 265. Appropriate room temperature regulation will extend the life of the large negative 80-degree Celsius freezers in these spaces.

Western University	2023 gross square footage
Dental Sciences Building	251,855
Dr. Don Rix Clinical Skills Learning Building	26,596
Health Sciences Addition	73,304
Kresge Building	34,335
Medical Sciences Building	186,368
Molecular Biology Laboratory	18,942
Natural Sciences Centre	12,350
Robarts Research Institute	205,174
Siebens-Drake Research Institute	77,260
Western Centre for Public Health and Family Medicine	70,675
Total	956,859
University of Windsor	2023 gross square footage
Dr. Murray O'Neil Medical Education Centre	112,401
Overall total	1,069,260

FINANCE

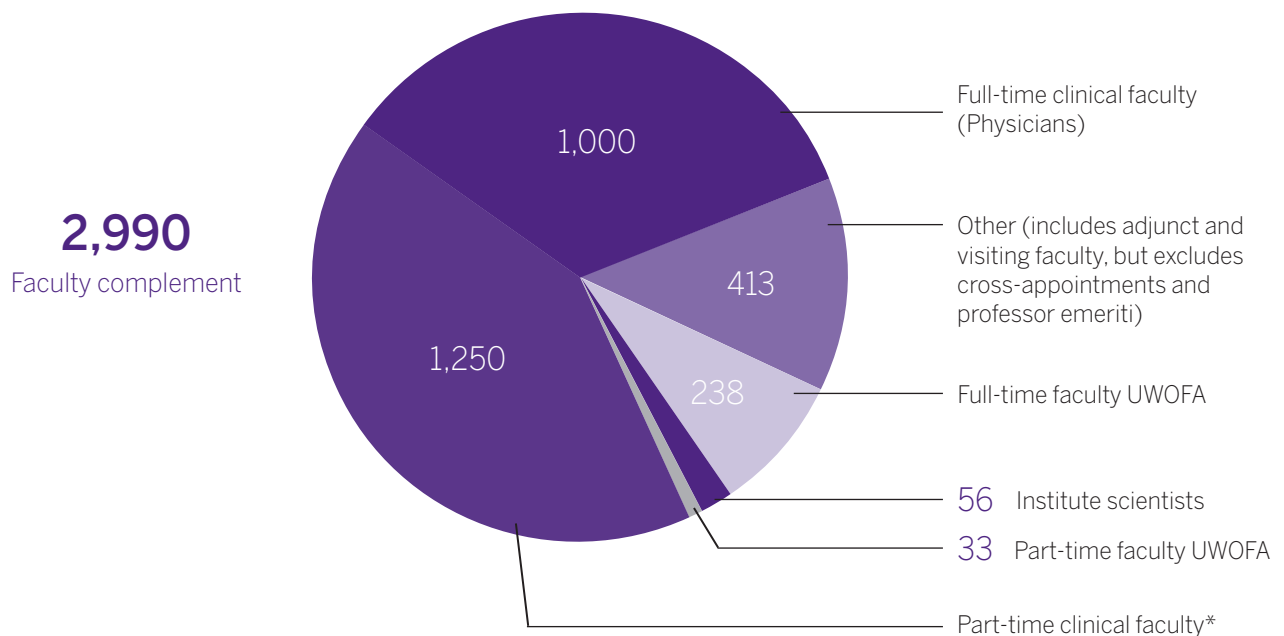
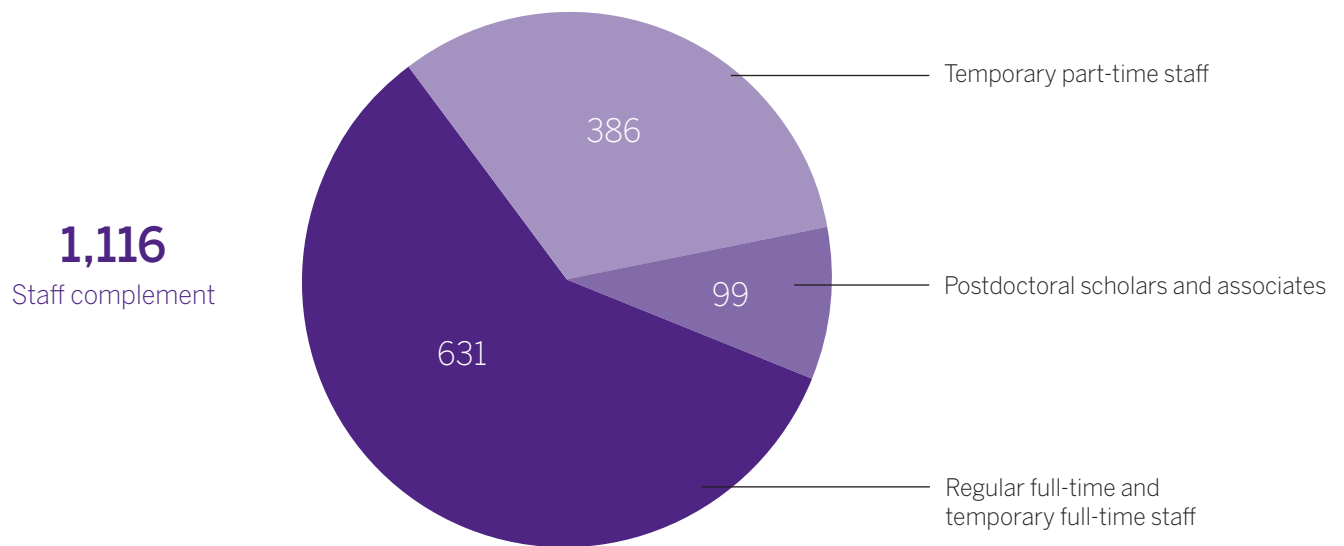
Total projected operating revenue 2023-2024

\$183.63
million



HUMAN RESOURCES

Faculty and staff complement as of December 1, 2023



*Includes MDs who are working at London hospitals part time or MD Preceptors in the Distributed Education network, including Windsor Campus

NEW LEADERSHIP APPOINTMENTS AND EXTENSIONS 2023

as of February 1, 2024

Decanal appointments and reappointments	Appointment duration
Dr. Larry Jacobs, Associate Dean, Windsor	September 1, 2023 – August 31, 2028
Dr. Robert Stein, Associate Dean, Learner Experience	February 1, 2024 – January 31, 2029
Dr. Alice Tsui, Assistant Dean, Undergraduate Medical Education – Windsor Campus	April 1, 2023 – March 31, 2028
Dr. Laura Diachun, Assistant Dean, Learner Experience (Postgraduate)	May 1, 2023 – April 30, 2028
Dr. Reena Khanna, Assistant Dean, Clinical Research Training	July 1, 2023 – June 30, 2028
Dr. Shawn Steele, Assistant Dean, Learner Experience, Dentistry	August 1, 2023 – July 31, 2028
Dr. Victor Ng, Assistant Dean, Distributed Education	May 1, 2023 – April 30, 2028
Decanal acting appointments	Appointment duration
Dr. Sukhveer Bains, Associate Dean, Equity, Diversity and Inclusion	January 1, 2024 – December 31, 2024
Department Chair appointments and reappointments	Appointment duration
Alison Allan, PhD, Chair, Anatomy & Cell Biology	July 1, 2023 – June 30, 2028
Dr. Cheryle Séguin, Interim Chair, Physiology and Pharmacology	July 1, 2023 – June 30, 2024
Dr. Craig Campbell, Chair, Paediatrics	June 1, 2023 – May 31, 2028
Dr. David A Steven, Chair, Clinical Neurological Sciences	January 1, 2024 – December 31, 2028
Frank Beier, PhD, Chair, Physiology and Pharmacology	July 1, 2024 – June 30, 2029
Dr. John Fuller, Interim Chair, Anesthesia & Perioperative Medicine	January 1, 2024 – June 30, 2024
Dr. Keith Sequeira, Interim Co-Chair, Physical Medicine & Rehabilitation	July 1, 2023 – December 31, 2023
Dr. Michael Ott, Chair, Oncology	June 1, 2023 – May 31, 2028
Dr. Patricia Hall, Interim Chair, Psychiatry	January 15, 2024 – December 31, 2024
Dr. Robert Teasell, Interim Co-Chair, Physical Medicine & Rehabilitation	July 1, 2023 – December 31, 2023
Dr. Sumit Agrawal, Interim Chair, Otolaryngology	January 1, 2024 – December 31, 2024
Dr. Wael Haddara, Interim Chair, Department of Medicine	December 1, 2023 – December 31, 2025,

CURRENT ENDOWED RESEARCH CHAIRS

Chair name	Incumbent 2023/2024
Andrew Lazarovits Chair in Immunobiology and Transplantation	In progress
Antonios Mamandras Chair in Graduate Orthodontics (New*)	Dr. Ali Tassi
Beryl Ivey Chair in One Health	Dr. Francisco Olea-Popelka
Cecil and Linda Rorabeck Chair in Molecular Neuroscience and Vascular Biology	Donald Welsh, PhD
Chair in Orthopaedic Spine & Trauma Biomechanics	In progress
Chin-Hardie Chair in Urologic Oncology (New*/**)	Dr. Brant Inman
Col. J.B. McLean (Fallon) Memorial Chair in Clinical Preventive Medicine	Dr. Saverio Stranges
Diabetes Canada Chair in Diabetes Management	Dr. Stewart B. Harris
Dr. Adam Linton Chair in Kidney Health Analytics	Dr. Amit Garg
Dr. Brian W. Gilbert Chair in Primary Health Care	Dr. Sonja Reichert
Dr. John W.D. and Susan McDonald Chair in Inflammatory Bowel Disease	Dr. Vipul Jairath
Dr. Joseph Rea Chair in Mood Disorders	Dr. Elizabeth Osuch
Dr. Robert Lindsay Chair in Dialysis Research and Innovation	Dr. Christopher McIntyre
Dr. Robert Zhong Research Chair in Translational Transplant Research	Dr. L. Gunaratnam
Dr. Sandy Kirkley Chair in Musculoskeletal Research	David W. Holdsworth, PhD
Earl Russell Chair in Pain Management	In progress
Edith Schulich Vinet Chair in Human Genetics	Dr. Robert A. Hegele
Eugen Drewlo Chair in Kidney Research and Innovation	Dr. Dervla Connaughton
Graham King Research Chair	Dr. James Johnson
GSK Chair in Clinical Pharmacology	Dr. Michael J. Rieder
Hannah Chair in the History of Medicine	Shelley P. McKellar, PhD
Harris-Woodman Chair in Psyche & Soma	Dr. Ruth Lanius
Heart & Stroke Foundation Barnett-Ivey Chair	Dr. Mark Chandy
Huntington Society of Canada Research Chair	In progress

*Newly appointed for 2023

**Newly established for 2023

Chair name	Incumbent 2023/2024
Ian McWhinney Chair of Family Medicine Studies	Dr. Kevin Pottie
J.C. Kennedy Chair in Orthopaedic Surgery	Dr. Steven MacDonald
Jack Cowin Chair in Epilepsy Research	Dr. Jorge Guillermo Burneo
Jacob J. Wolfe Distinguished Medical Research Chair in Human Gene Function	Dr. Robert A. Hegele
John Denstedt Chair in Surgical Simulation	Dr. Audra Duncan
Kathleen and Dr. Henry Barnett Chair in Stroke Research	Dr. Luciano Sposato
Marcel and Louise Brunette Research Chair in Ophthalmology (New**/**)	Dr. Cindy Hutnik
Martha G. Blackburn Chair in Cardiovascular Research	Dr. Robert A. Hegele
Neil McKenzie Chair in Cardiac Care	Dr. Geoffrey Pickering
Provincial Endowed Academic Chair in Autism and Behavioural Sciences	Dr. Julio Martinez-Trujillo
Ramsay W. Gunton Chair in Cardiology	Dr. Raymond Yee
Ray and Margaret Elliott Chair in Surgical Innovation	Dr. Michael Chu
Research Chair in Auditory Biophysics and Engineering (New**/**)	Dr. Hanif Ladak
Research Chair in Neurotology and Translational Hearing Innovation (New**/**)	Dr. Sumit Agrawal
Richard and Beryl Ivey Chair in Clinical Neurological Sciences	Dr. David Steven
Richard and Jean Ivey Fund Chair in Molecular Toxicology	Qingping Feng, PhD
Richard Ivey Chair of Medicine	Dr. James Calvin
Richard Ivey Chair of Surgery	Dr. Emil Schemitsch
Sheldon H. Weinstein Chair in Diabetes Research	David Hess, PhD
Tanna Schulich Chair in Neurosciences & Mental Health	Dr. J. Donald Richardson
Ting-Yim Lee Chair in Translational Medical Imaging (New*)	Dr. Narinder Paul
Ting-Yim Lee Chair in Medical Biophysics (New*)	Jefferson Frisbee, PhD
William F. Clark Chair in Nephrology (New**/**)	Dr. Andrew House
Wolfe Medical Research Chair in Pharmacogenomics	Dr. Richard Kim

*Newly appointed for 2023

**Newly established for 2023

RESEARCH





RESEARCH HIGHLIGHTS

- **RECORD SETTING \$164 MILLION RESEARCH FUNDING:** Due to significant multi-million dollar research grants in 2023, the School achieved its highest level of research grant funding to date. Medical research at Schulich Medicine & Dentistry accounted for approximately \$164 million in 2023, **accounting for nearly 60 per cent of all research funding received by the University.**
- **RECRUITING WORLD'S TOP SCIENTISTS:** Schulich Medicine & Dentistry continued to recruit the world's top talent to strengthen its strategic research cores. **Dr. Robyn Klein was recruited as the new prestigious Canada Excellence Research Chair in Neurovirology and Neuroimmunology,** leveraging the School's strength in infectious diseases, neuroscience and neuroimaging. Dr. Klein is set to establish Canada's first-ever research program focused on the effects of infectious diseases on the brain.
- **CUTTING-EDGE RESEARCH FACILITIES:** Schulich Medicine & Dentistry continues to advance its leadership in infectious diseases research, bolstered by \$16 million in funding from the federal Biosciences Research Infrastructure Fund (BRIF) in 2022. This **funding establishes Schulich Medicine & Dentistry's new Pathogen Research Centre (PaRC)** through an expansion of the School's Biocontainment Level 3 (CL3) facility.
- **FORGING KEY PARTNERSHIPS IN ACADEMIA AND INDUSTRY:** In 2023, Schulich Medicine & Dentistry **joined the Canadian Hub for Health Intelligence and Innovation in Infectious Diseases (HI3)** as one of 24 major partners, spearheading the development of vaccines, therapeutics and other innovations to combat infectious diseases.
- **MADE IN CANADA:** The School is launching the Viral Pandemic Preparedness Program (VP3) as a cornerstone for the Canadian response to future pandemics, with a share of \$570 million in funding from the federal government. The initiative will **leverage the first-in-the-world facilities within the new Pathogen Research Centre (PaRC).** The PaRC is set to break ground and commence building in spring 2024, marking another milestone in the School's core facility capacity.
- **PIONEERING OPEN-SOURCE DRUG DEVELOPMENT:** The School also received a \$24-million boost from the federal New Frontiers in Research Fund (NFRF) to establish a comprehensive research platform aimed at accelerating drug development for neurodegenerative diseases like Parkinson's and Alzheimer's. **The first-of-its-kind open-source platform brings together a series of cutting-edge tests** focused on evaluating how potential therapies impact cognition, such as memory, thinking skills and learning. The TRanslational Initiative to DE-risk NeuroTherapeutics (TRIDENT) platform promises to identify drugs ready for successful human clinical trials within six years.
- **LEVERAGING TRANSFORMATIVE GIFTS:** In 2023, **philanthropic support continued to support Schulich Medicine & Dentistry's game-changing research.** One such example is a \$5.1 million donation made by the Azrieli Foundation to support the work of Schulich Medicine & Dentistry Professor Andrew Pruszynski, PhD, and Emory University researcher Sam Sober, who are taking an open-science concept to the next level by enabling researchers to utilize electrodes they have developed to accelerate motor neuroscience research on a national scale.

RESEARCH CHAIRS

Canada Excellence Research Chair

Neurovirology and Neuroimmunology*

Dr. Robyn Klein

Canada Research Chair

HIV Pathogenesis and Viral Control*

Eric Arts, PhD

1

Lung Imaging to Change Patient Outcomes

Grace Parraga, PhD

1

Molecular and Epigenetic Basis of Cancer

Shun Cheng (Shawn) Li, PhD

1

Musculoskeletal Research

Frank Beier, PhD

1

Neurochemistry of Dementia

Marco Prado, PhD

1

Primary Health Care and Health Equity*

Maria Mathews, PhD

1

Translational Cognitive Neuroscience

Lisa Saksida, PhD

1

Chemical Biology

Patrick O'Donoghue, PhD

2

Cognitive Neuroscience and Neuroimaging

Dr. Penny MacDonald

2

Computational Approaches to Health Research*

Pingzhao Hu, PhD

2

Computational Neuroimaging

Ali Khan, PhD

2

Diffusion Magnetic Resonance Imaging

Corey Baron, PhD

2

Genital Immunology and STI Prevention

Jessica Prodger, PhD

2

Injury Prevention and Physical Activity for Health

Dr. Jane Thorton

2

Musculoskeletal Biology and Health

Matt Grol, PhD

2

Pathogen Genomics and Bioinformatics*

Jennifer Guthrie, PhD

2

Public Health Economics

Shehzad Ali, PhD

2

Public Mental Health Research

Kelly Anderson, PhD

2

Sensorimotor Neuroscience

Andrew Pruszynski, PhD

2

Translational Neuropsychopharmacology*

Jibran Khokhar, PhD

2

**Newly announced/renewed for 2023*

RESEARCH CHAIRS

Current Western Research Chairs

Strategic Focus Chairs

Biotherapeutics

Bioinformatics

Viral Pathogenesis*

Indigenous Planetary Health

Neurocognition

Legacy Chair

Cognitive Neuroscience

**Newly announced for 2023*

Dr. Kun Ping Lu

Michael Hallett, PhD

Miguel Quiñones-Mateu, PhD

Nicole Redvers, ND, MPH

Stefan Everling, PhD

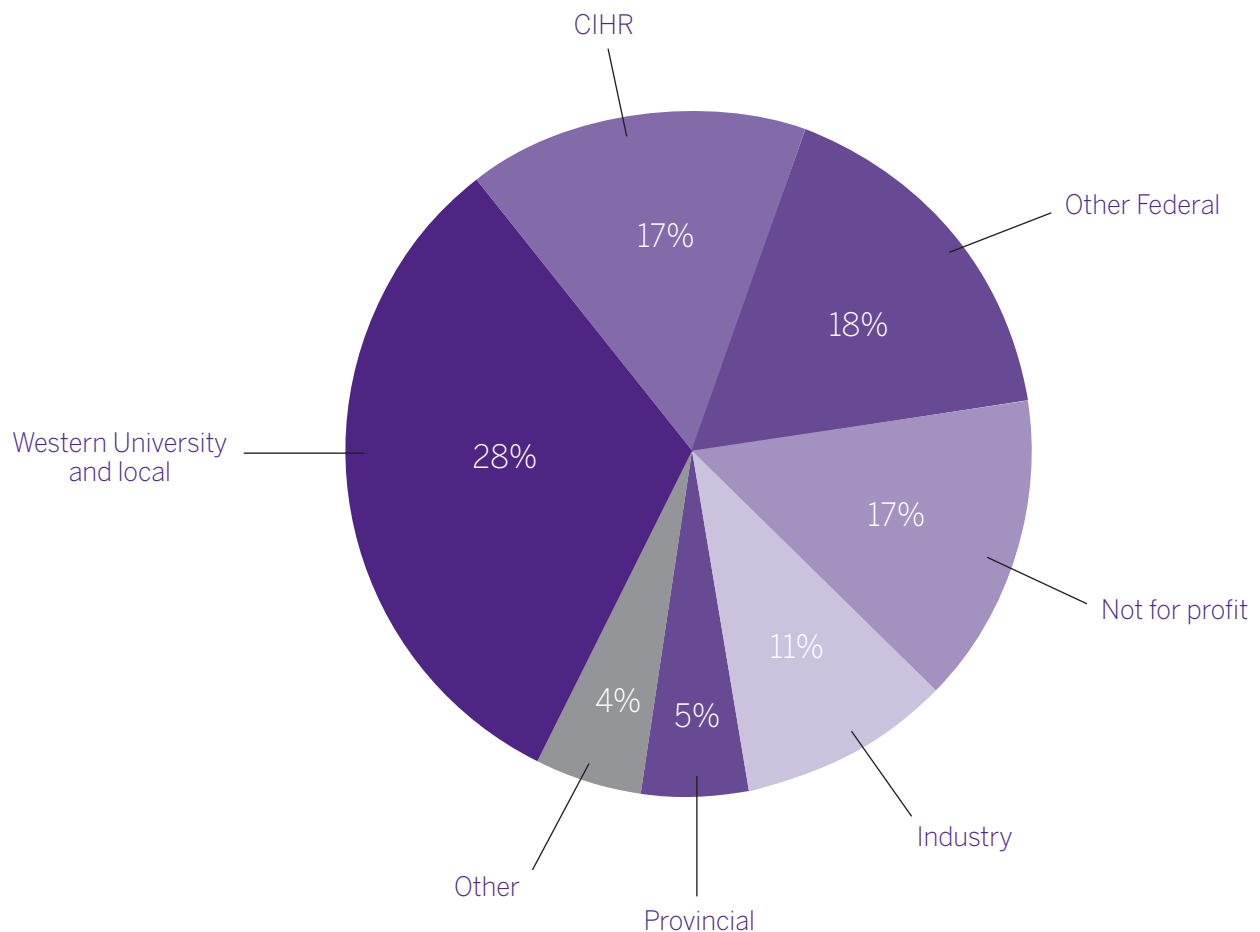
Timothy Bussey, PhD



RESEARCH FUNDING FOR 2022-2023

Total Amount
\$164
million

\$24 million more in obtained funding than the previous year



AWARDS





AWARDS

INTERNAL AWARDS

Awards of Excellence

Dean's Awards of Excellence for Faculty

Researcher of the Year	Dr. Doug Fraser, Paediatrics
Community Outreach	Sarah McLean, PhD, Anatomy & Cell Biology
Distinguished Leader in Research	Dr. Richard Kim, Department of Medicine
Preclinical & Translational Research	Alison Allan, PhD, Anatomy & Cell Biology and Oncology
Research & Innovation	<p>Early Career Jibran Khokhar, PhD, Anatomy & Cell Biology Dr. Kristin Clemens, Department of Medicine</p> <p>Mid Career Jeremy Burton, PhD, Microbiology & Immunology Dr. Lillian Barra, Department of Medicine</p> <p>Senior Career Stefan Everling, PhD, Physiology & Pharmacology Dr. Robert Teasell, Physical Medicine & Rehabilitation</p>

Schulich Awards of Excellence for Staff

Continuous Excellence Team Award	Bela Franze and Suzy Mendes, Department of Psychiatry
Continuous Excellence Individual Award	Tannis Radcliffe, Office of the Dean
Innovation Award	Stephanie Durnin, Dentistry
Inspirational Leadership Award	Lisa Johnson, Dentistry
Newcomer Award	Karyn Bailey, Anatomy & Cell Biology and Department of Medical Biophysics
Spirit Award	Margaret Dow, Department of Oncology

Schulich Awards of Excellence for Faculty

Schulich Award of Excellence for Faculty in
Community/Distributed Sites

Dr. Henry Chapeskie, Family Medicine
Dr. Kashif Ahmed, Family Medicine
Dr. Sean Ryan, Family Medicine
Dr. Quoc Tran, Medicine

Schulich Faculty Mentorship Award

Dr. Patricia Hall, Department of Psychiatry

Schulich Excellence in Education Awards for Graduate/Postgraduate

Schulich Distinguished Leader Award

Dr. Anita Cave, Anesthesia & Perioperative Medicine
Nica Borradaile, PhD, Physiology and Pharmacology

Schulich Educator Award

Andrew Zhang, MCISc, Pathology and Laboratory
Medicine
Dr. Anna Gunz, Paediatrics
Dr. Jeffrey Yu, Medicine
Dr. Sonja Payne, Anesthesia & Perioperative Medicine
Tyler Beveridge, PhD, Anatomy and Cell Biology

Schulich Excellence in Education Awards for Undergraduate Education

Schulich Educator Award

Dr. Scott McKay, Family Medicine
Wataru Inoue, PhD, Physiology and Pharmacology

Schulich Distinguished Leader Award

Dr. Michele Weir, Pathology and Laboratory Medicine

Schulich Leader Award

Christine Bell, PhD, Physiology & Pharmacology

Awards of Excellence – Windsor Campus

Associate Dean's Award	Christine Gignac Dr. Syed Anees Dr. Tyler Jervis
Educator's Award	Dr. Hema Gangam Monica Bagga Dr. Shael Liebman
Learner Peer Award	Hailey Guertin Katherine Goren Maegan Miklas
Dr. Colin Nisbet Award for Excellence in Emergency Medicine	Kylie Suwary
Dr. Gordon Vail Resident Award in Emergency Medicine	Dr. Alex Presello
Windsor Family Medicine – Faculty of the Year Award	Dr. Jennifer Bondy
Windsor Sub Specialty Rotation – Faculty of the Year Award	Dr. Pat Montaleone
Post Graduate Award for Academic Leadership	Dr. Mary Ann Zokvic
City of Windsor – Family Physician Award	Dr. Corey Parent
City of Windsor – Psychiatry Physician Award	Dr. Jennifer Grbevski
Windsor Psychiatry – Faculty of the Year Award	Dr. Kristina Levang

Alumni of Distinction Awards

The Dr. Stephen Blizzard Trailblazer Award	Dr. Lisa Robinson, Resident Alumnus'95
Professional Achievement Award Medicine	Dr. Michael Shkrum, MD'78, Resident Alumnus'84
Alumni of Distinction – Dentistry	Dr. Karin Van Ryswyk, DDS'86
Community Service Award	Dr. Mary Lee Myers, MD'77, Resident Alumnus'82
Young Alumni Award	Dr. Kris Lehnhardt, MD'03, Resident Alumnus'08
Young Alumni – Dentistry	Dr. Kim Beaucage, PhD'14, DDS'18
Young Alumni – Basic Science	Benjamin Kleinstiver, PhD'13
Excellence in Basic Science Research	Jennifer Trowbridge, BSc'02, PhD'06
Dean's Distinguished Lecture	Dr. Kris Lehnhardt, MD'03, Resident Alumnus'08

Schulich Medicine & Dentistry Internal Graduate Awards

Carol Buck Graduate Student Scholarship	Emily Boyko, Epidemiology & Biostatistics
Collip Medal Award	Dr. Megan Roussy, Neuroscience
Cobban Student Award in Heart and Stroke Research	Matthew Kolisnyk, Neuroscience
Drs. Madge and Charles Macklin Fellowship for Teaching and Research in Medical Sciences	Amena Aktar, Microbiology & Immunology
Drs. Madge and Charles Macklin Fellowship for Publication in Medical Sciences	Hien Chi Nguyen, Anatomy & Cell Biology
Jonathan & Joshua Memorial Graduate Scholarship	Breanne Kearney, Neuroscience Hayley Shanks, Neuroscience Katherine Quesnel, Anatomy & Cell Biology Alaa El-Cheick Mohamad, Neuroscience
Jonathan & Joshua Memorial Graduate Travel Scholarship	No recipient at this time
Norman E. Nixon Marie Rämö Nixon Award	Kesavi Kanagasabai, Medical Biophysics
Morris Kroll Award (every other year)	Emily Tomas, Anatomy and Cell Biology
John Sangster Research Award for Excellence	Dr. Alp Sener
Rowntree Prize in Medical History	Helen Jin Danielle Vucenovic

Western University Awards

Distinguished University Professor	Subrata Chakrabarti, PhD
Faculty Scholar	Nathalie Berube, PhD Jimmy Dikeakos, PhD Dan Hardy, PhD

Western Teaching Awards

Edward G. Pleva Award for Excellence in Teaching	Nicole Campbell, PhD
The Marilyn Robinson Award for Excellence in Teaching	Frank Myslik, PhD

Western Award of Excellence

Western Award of Excellence	Fay Harrison, BrainsCAN
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25-Year Service Award

Afzel Mohammed	Kenneth Leslie
Allen Skanes	Kirk Hamilton
Andrew House	Lenna Morgan
Arthur Brown	Lina Dagnino
Arun Prakash	Lori Teeple
Bill Pavlosky	Lyn Guenther
Brian Shilton	Mandar Jog
Caroline Despard	Melissa Pickering
Cathy Peckan	Michael Motolko
Clare Mitchell	Murray Awde
Daisy Pavri	Neville Suskin
David Dixon	Ole Hammerberg
David Driman	Pam Bere
David Heinrichs	Paul Bartlett
David Keast	Peter Chidiac
David Smith	Richard Haddad
Dawn Bryce	Rob Black
Edward Tweedie	Rob Hammond
Elliott Gnidec	Robert Bartha
Gary Tithecott	Ronald Butler
Gedas Cepinskas	Rupa Roopchand-Mohammed
Gloria Grace	Sally Stewart
Grace Parraga	Sandra Katsiris
Gregory Gillis	Sarah Jarmain
Hugo Bidinot	Simon McBride
Huy Nguyen	Sonny Cejic
Iris Gutmanis	Ting-Yim Lee
Jacques Milner	Tracey Koning
Jatinder Takhar	Vipin Bhayana
Joanne Kirby	Wayne Baxter
Joseph Megyes	

External Awards

Association of Faculties of Medicine of Canada (AFMC) Mentorship Award	Dr. Bertha Garcia
Association of Faculties of Medicine of Canada (AFMC) President's Award	Lorelei Lingard, PhD
Canadian Association for Medical Education (CAME) Certificate of Merit Awards 2023	Dr. Tamara Van Hooren Dr. Laura Foxcroft Dr. James Ross

Canadian Association for Medical Education (CAME) Rising Star Certificate of Excellence 2023	Dr. Jonathon Keow Dr. Hailey Guertin
Canadian Academy of Health Sciences Fellows	Dr. Cindy Hutnik Adrian Owen, PhD Dr. Carlos Quiñonez
Canadian Association of Physical Medicine and Rehabilitation (CAPM&R) Award of Merit	Dr. Michael Payne
Canadian Orthopaedic Research Society (CORS) Founders' Medal	Dr. Emil Schemitsch
Canadian Paediatric Society Lifetime Membership Award	Dr. Mark Awuku
Canadian Paediatric Society Michel Weber Education Award	Dr. Jennifer McLean
Canadian Society of Pharmacology & Therapeutics Distinguished Service and Education Award	Dr. Michael Rieder
Canadian Society of Transplantation 2023 Research Excellence Award	Dr. Lakshman Gunaratnam
Canadian Women in Medicine (CWIM) Organization John Gilbert Researcher of the Year	Dr. Sarah Morrow
Duncan Graham Award for Outstanding Contribution to Medical Education	Dr. Christopher Watling
Gold Medal Governor General Academic Awards	Mariyan Jeyarajah, PhD
Harvey Club of London Prize	Dr. Jelena Poleksic
London Inc.'s 20 Under 40 2023	Dr. Ali Bateman Dr. Frank Myslik
Order of Canada	Dr. Francine Lemire
Order of Ontario	Dr. Jo-Anne Clarke Joy MacDermid, PhD Fred Possmayer, PhD
Royal Society of Canada	Marlys Koschinsky, PhD
Top 100 Canada's Most Powerful Women 2023	Dr. Sondos Zayed
Vanier Canadian Graduate Scholarships	Shahnaza Hamidullah Edward Wang

SOCIAL ACCOUNTABILITY



SOCIAL ACCOUNTABILITY

- > **MAKING BIOMEDICAL SCIENCES MORE ACCESSIBLE:** The School launched a new immersive summer program called **The Experiential Learning Academy for Biomedical Sciences (X-LABS) to make biomedical sciences more accessible for students from diverse backgrounds**. From participating in lab work and research to establishing relationships with world-renowned faculty and student leaders, the program introduces promising students from area high schools to every aspect of a potential career in biomedical sciences.
- > **FRUGAL BIOMEDICAL INNOVATIONS:** Schulich Medicine & Dentistry is **making more with less as part of Western's Frugal Biomedical Innovations program**. The multi-disciplinary initiative empowers innovators to design, develop and deploy innovative medical technologies that improve health-care access for remote and low-resource communities for a fraction of the cost of existing commercial methods – without compromising quality.
- > **SUPPORTING SUSTAINABLE HEALTH SYSTEMS:** Schulich Medicine & Dentistry is joining other medical schools in Canada in vowing to “do no harm” to the planet. **The School signed the Academic Health Institutions' Declaration on Planetary Health**, recently launched by the Association of Faculties of Medicine of Canada (AFMC), in building sustainable and climate-resilient health systems.
- > **ENHANCING ESSENTIAL PRIMARY CARE:** Schulich Medicine & Dentistry researchers are looking to improve health care for people with diabetes experiencing “transitions in care” to ensure they don't fall through the cracks. Maria Mathews, PhD, and her team received **\$895,000 in federal funding to evaluate London's Primary Care Diabetes Support Program (PCDSP)**, which is part of the Centre for Diabetes, Endocrinology and Metabolism at St. Joseph's Family Medical and Dental Centre. The evaluation will help determine the program's impact on patient health and health-care providers, diabetes-related complications and health-system costs.
- > **BRIDGING GAPS IN CARE WITH NEW RESIDENT TRAINING ELECTIVES:** Schulich Medicine & Dentistry's Windsor campus is bringing much-needed care to those experiencing homelessness. Through the development of the Shelter Health initiative, an independent working group under the Windsor Essex Ontario Health Team (WEOHT) **is providing essential same-day episodic medical care to the city's homeless population**. The School's family medicine residents joined the program by taking a shelter health elective for their training. During the one-month rotation at the Shelter Health initiative, residents served in a variety of clinical settings, working alongside other health professionals and social services providers.
- > **CULTURALLY COMPETENT HEALTH CARE:** Facing cultural, language and digital fluency barriers, newcomers to Canada can find it challenging to access much needed health-care services. In response, **the Newcomer Health Hub (NHH)**, an online resource developed by fourth-year medical students Lotus Alphonsus, Amalka De Silva, and Penelope Neocleous, provides critical help in addressing these health-care gaps.
- > **GLOBAL LEADERSHIP:** **Nicole Redvers**, associate professor, Western Research Chair and Director of Indigenous Planetary Health at Schulich Medicine & Dentistry, **was appointed as one of the members of World Health Organization's New Technical Advisory Group on Embedding Ethics in Health and Climate Change Policy (TAG-Ethics & Climate Health)**. She will work with several stakeholders to deliver a range of supporting tools and materials to help navigate ethical issues across the health and climate change field.

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