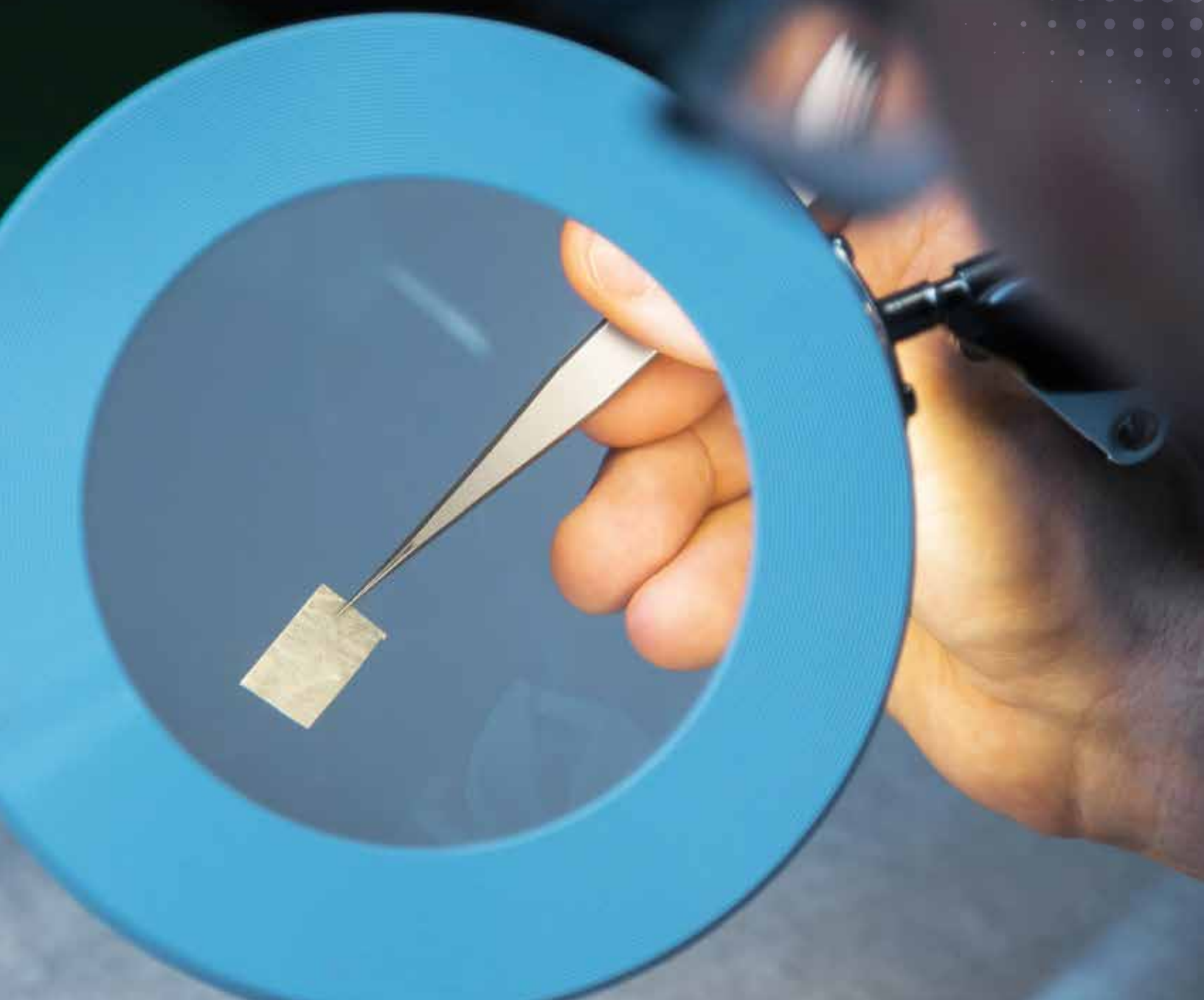




UNIVERSITY OF TORONTO
FACULTY OF DENTISTRY

Dean's Annual Report

2023–2024





Contents

+	+	+	+	+
+	+	+	+	+
04	Students			
08	Alumni + Donors			
14	Clinics + Patients			
16	Research			
21	Continuing Dental Education			

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On Cover:
The Bozec Lab at U of T Dentistry is developing novel collagen-based scaffolds for tissue repair by harnessing different glycation methods

Message from the Interim Dean

I am pleased to present the seventh edition of Dean's Annual Report. I am also honoured to share that my appointment as interim dean has been extended until June 30, 2025.

The 2023–2024 year was filled with many academic achievements, essential infrastructure upgrades and events that help foster our wonderful community.

Lab 4, the simulation lab, is the latest space in our building to undergo renovations. There were components of the lab that dated back to when the building was first constructed, and it needed a change to keep pace with dental technology. We are excited to see how the new Lab 4 will better prepare our students to perform on live patients in clinic in their third and fourth years. We are grateful for the generous donors who support the school's space renewal efforts, including the naming of the new Sim Lab stations. Next, we plan to upgrade Clinic 2, our main patient clinic. We are currently fundraising and are thankful to those who have helped get this project underway.

In all our clinics, we continue to serve patients experiencing barriers to accessing dental care. This includes participating in the new Canadian Dental Care Plan to ensure we can provide affordable treatment to those in need.

Research Day and Education Day were two highlights of this academic year. Research Day is dedicated to highlighting all of the incredible work being done at our Faculty and included poster competitions, oral presentations and the 3-Minute Thesis competition. Our annual Education Day had a focus on artificial intelligence for dental educators as well as an education research and innovation showcase, a presentation on the art of teaching and a panel on best practices in teaching and learning.

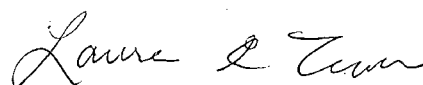
This year also saw many well-deserved honours within our Faculty. Professor Michael Glogauer 9T3, 9T9 Dip Perio, 9T9 PhD was the winner of CADR-ACFD National Dental Research Award for 2024. Assistant Professor, Teaching Stream Kristina Perschbacher and Clinical Instructor Michael Krawczuk were

the recipients of the Bruce Hord Master Teacher Awards, and Assistant Professor, Teaching Stream Greg Anderson received the W. W. Wood Award for Excellence in Dental Education from the Association of Canadian Faculties of Dentistry.

Xiomara Barnes, Lisa Hutchinson and Konstantin Kovalski were the recipients of the 2024 Mary Choi Staff Excellence Awards, which recognize their outstanding professionalism, teamwork, service and contributions to the workplace.

Our community came together for several entertaining events this year, including the Ontario Dental Cup hockey game against Western University, and the Dentantics production, both of which showcased the many talents of our student body. The Faculty also hosted this year's Great Alumni event, with more than 350 alumni and friends in attendance. It's always an evening full of memories that honours the successes of our community members.

Finally, as we wrap up this academic year, we excitedly look ahead to 2025, when we mark 150 years of dental education at the Faculty. We hope you will join us as we celebrate the past 150 years and look ahead to the bright future of the next century-and-a-half as well.



Laura Tam 8T5, 9T3 MSC D
Professor and Interim Dean

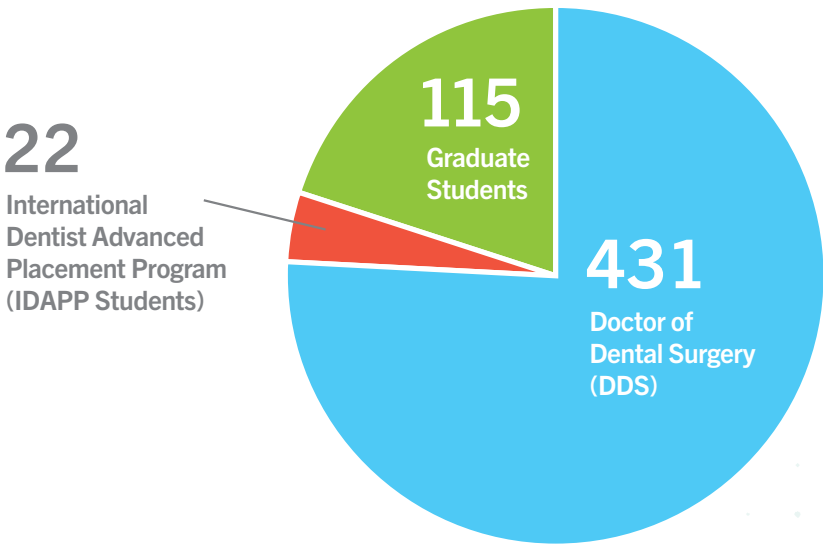


Students

Year after year, the Faculty of Dentistry attracts top student talent. In 2023, Doctor of Dental Surgery applications increased by 9.3 per cent from the previous year. The Faculty also continues to see a strong pool of applications to our 10 graduate specialty programs. This year, we received 212 graduate applications, an increase of 5.4 per cent over the previous year.

TOTAL STUDENT POPULATION 2023

568



Doctor of Dental Surgery (DDS)

739 | 96

Applications

Enrollees

International Dentist Advanced Placement Program (IDAPP)

189 | 22

Applications

Enrollees



Countries represented



	Applications	Admitted
Dental Anaesthesia	10	2
Dental Public Health	12	2
Endodontics	32	3
Oral & Maxillofacial Surgery	27	2
Oral Pathology & Medicine	7	1
Oral Radiology	14	2
Orthodontics	48	4
Pediatric Dentistry	24	3
Periodontology	19	3
Prosthodontics	19	2



STUDENT FUNDING 2023–2024



BURSARIES

\$165,593

Undergraduate funding

\$46,000

Graduate funding



AWARDS

\$110,045

Undergraduate funding

\$49,000

Graduate funding



FINANCIAL AID

\$458,000

Undergraduate funding

\$327,000

Guaranteed funding from graduate department

\$346,500

Total external graduate funding and scholarships

OTHER

\$85,000

Alumni office support for student life activities

Alumni & Donors

Building the future of good oral health for the next 150 years

In 2025, we will celebrate the 150th anniversary of dental education at the Faculty. We are poised, through the Defy Gravity Campaign, to drive our vision for excellence in education, research and patient care forward for the next 150 years. We started as the Royal College of Dental Surgeons (RCDS) in 1875 with 11 students in a two-room school and are now the largest and most prestigious dental school in the country. We are grateful to our alumni and donor community for their commitment and contributions to our mission and future.

8,153

Total living alumni

50

countries



\$2,209,069

Total gift amount

526

Gifts

324

Total number of donors

1,541 (event attendance, donations, volunteering, etc.)

Total unique engagements

\$788,488

Student support

\$346,412

Programs and research

\$785,506

Capital projects

\$288,663

Other

Note

The reporting period extends from May 1, 2023 to April 30, 2024.

A LIFETIME OF GIVING



Professor Christopher McCulloch 7T6, 8T2 PhD has been supporting the Faculty of Dentistry since 2010. His most recent gift brings his total donations to more than \$1 million. This kind of generosity helps fund important Faculty initiatives such as building upgrades, student support and ground-breaking research.

"If we want to move the profession forward and improve patient outcomes, then we need to support the Faculty in concrete terms, such as advancing its research and enabling new treatments," says McCulloch.

ANNUAL LEADERSHIP GIVING



For more than a decade, Helen Grad, Assistant Professor, Pharmacology at U of T, has been supporting the Faculty of Dentistry. Through annual gifts totalling more than \$30,000, she has supported the Dentistry Annual Fund and other priority initiatives, helping the Faculty realize its mission.

"I am happy to support education, research and patient care at the Faculty," says Grad. "The excellent initiatives of the educators and clinicians need our best support efforts on an ongoing basis."

Defy Gravity Campaign Annual Donor Listing



We are grateful for the donors who have made contributions of \$1,000 or more. The support of our community lifts our students to new heights, allows us to update our building and equipment, bolsters exciting new research and supports our patients. Thank you.

Andrew P. Abela
George Alexopoulos
Donald Allen
Fatma E. Arat
William Armstrong
Amir Azarpazhooh
Ross Barlow
Robert Barron
James Blackmore
Carolyn E. Blair
George B. Boucher
James Brown
Karen L. Burgess
Margaret H. Cameron
Rudy D. Chiarandini
Edmund Chithalen
Wing Chiu
Eric Choi
Norma Chou
Raffy Chouljian
Credit Valley Oral Surgery
William Croft
Dentsply Sirona Canada
DePuy Synthes Canada
Jack M. Dodick
Dr. D. Decloux Dentistry
Professional Corporation
Marc G. DuVal
Richard P. Ellen
Selina C. Esteves
Federation of Chinese Canadian
Professionals (Ontario) Education
Foundation
Aaron H. Fenton
Christopher Fenton
David C. Ferguson
Stephen R. Flewelling
Gary D. Glassman
Siew-Ging Gong
Helen A. Grad
Ralph Grose

Jacqueline Lopez Gross
Daniel A. Haas
Elham Habibi
William Hall
David Hanmer
Mel Hawkins
Henry Schein Canada
Hill & Schumacher
Professional Corporation
Brian Hurd
International College of Dentists
(Canadian Section)
Ian Io
Ka-Biu Ip
Lynn Jacob
Fatima Ebrahim Jivraj
Alan Joe
Frank D. Kalamut
Adrienne E. Kertzer
Gary Keyes
Janet E. Kim
Sun B. Kim
Brian Kucey
Dina Lebowitz
Veronica C. Lee
Lionel Lenkinski
Roland Leung
Donald W. Lewis
Lisa's Legacy: The Lisa Montanera Fund
Robin D. Listrom
George Lysyk
Elizabeth MacSween
Marco Magalhaes
Terence Mah
Morris F. Manolson
Dorothy McComb
Christopher A. McCulloch
Thomas R. McIntyre
Angelos Metaxas
Robert De Miglio
Margaret L. Milne

Sanjukta Mohanta
Victor Moncarz
Kathryn Moore
Arleen M. Morrin
Nobel Biocare Canada Inc
Donna M. Oliver
Ontario Dental Association
Norman A. Orschel
Natanya Padachey
Harry J. Patrick
Arja-Liisa Peltoniemi
Susanne E. Perschbacher
Michael Pharoah
Kevin L. Roach
Royal College of Dental Surgeons
of Ontario
Anoop K. Sayal
Lynn C. Schumacher
Maryann Seefuss
Joe Stanziani
Straumann Canada Ltd
Gerald Sugiyama
Garth Sweetnam
Laura E. Tam
Michelle L. Tang
Lynn Tomkins
Toronto Oral Pathology Service
Heman Tsang
Christine Walter
West Toronto Dental Society
Victor Wong
Julia Wroblewski
Marc E. Yarascavitch
Richard A. Yasny
Edwin H. Yen
Katherine Zettle
Randy M. Zettle
Zimmer Biomet
13 anonymous donors

Donations recognized in fiscal year May 1, 2023 to April 30, 2024.

Life-to-Date \$1M donors

Philanthropists who have donated \$1 million or more to the Faculty of Dentistry in their lifetime have positively impacted the school's standing as a global leader and are enabling the Faculty's ongoing mission. We proudly acknowledge their contributions and commitment to advancing the future of good oral health through their dedication to education, research and patient care.

Michael Glogauer	Nobel Biocare
GreenShield Canada	Arthur R. Zwingenberger
Christopher McCulloch	

Lasting Legacies

Known as the King's College Circle Heritage Society, these donors have notified U of T Dentistry of their confirmed bequests this year.

Janet E. Kim
1 anonymous donor

Estate Gifts

The Estate of Margaret L. Milne
The Estate of Julia Wroblewski

Thank You

Listing encompasses donations in fiscal year April 1, 2023 to May 1, 2024. We strive to properly recognize each donor. Please contact Julia Al Akaila at julia.alakaila@dentistry.utoronto.ca or at 416-864-8202 with any updates or preferences.

Defy Gravity Campaign Cabinet 2023–2024

These volunteers are actively supporting the school to ensure our future success through the Defy Gravity Campaign:

Elizabeth MacSween – Chair

Bobby Chagger

Susanna Chow

George Christodoulou

Jack Gerrow

Gary Glassman

Michael Glogauer

Christopher McCulloch

Lynn Tomkins

Bruno Vendittelli



Arbor Award Winners 2023–2024

Recognizing sustained and exceptional alumni volunteerism

Jack Gerrow 7T9

Elizabeth MacSween 8T0

Michael Glogauer 9T3, 9T9 Dip Perio, 9T9 PhD

Christopher McCulloch 7T6, 8T2 PhD

Ralph Grose 6T3

Alumni of Influence Award Winners 2023–2024

Recognizing outstanding contributions to the profession and the community

Mary-Ellen Cascone 8T9

Jim Yuan Lai 0T0 MSc Perio

Sanjukta Mohanta 9T9

Clinics & Patients



The Faculty of Dentistry is continuing to upgrade its facilities in order to provide the best in student learning and patient care. The Faculty has registered with the Canadian Dental Care Plan (CDCP) to ensure people who need it can access affordable treatment. The Dental Public Health graduate program has been conducting studies to address barriers to accessing dental care, even with private insurance. This type of information is critical to ensuring the CDCP continues to evolve to address the needs of all Canadians.

The latest renovation of the building's simulation lab is an example of a space that will enhance both the student and patient experience. This lab is set up to simulate a dental operator, allowing first- and second-year DDS students to develop the hand skills to treat patients for the later years of the program. "It is critical that the skills the students learn in preclinic are transferable to clinic and then to practice," says James Posluns, Assistant Professor, Teaching Stream, and Director of Clinical Affairs. Keeping the Faculty's facilities up-to-date is imperative in preparing students for success later.

Patient Testimonials

"I had a serious mishap, which damaged many of my front teeth. My dentist suggested that for the comprehensive care I needed, the U of T clinic would be the best option. I have been more than delighted with their care over the years. Their students are well trained and caring and the supervision by top professors is exemplary. I recommend them to everyone who asks me."

— Janet

"I've been a patient at the Faculty of Dentistry for about 10 years. I feel that it's important for students to be exposed to real scenarios while in school. Every step of work that a student does is supervised by experienced teachers. From normal procedures (exams, cleaning, fillings, etc.) to crowns and implants — I've had it all done at the Faculty. And everything was completed to a very high standard."

— Rita

"The Faculty of Dentistry has been exemplary in every level in regard to myself. I have been a constant patient for many years, from basic needs to surgery, crowns, implants, periodontal, etc. Regardless of insurance coverage, I chose the professionalism of the Toronto clinic. As an added bonus, I feel as though I am contributing to the success of the many students that have cared for me."

— Mark

Our Impact by the Numbers



64,066

Patient visits



2,913

Visits to the
Emergency Clinic



1,814

Pediatric patients



14

Clinics



300

DDS students
working in clinics



50

Postgraduate specialist
students working in clinics



63,472

X-rays



538

Implants



5,382

Cleanings



4,950

Tooth extractions



6,396

Fillings



186

Braces



947

Root canals

Note

The reporting period extends from July 1, 2023 to June 30, 2024.

Research



U of T Dentistry faculty members continue to demonstrate research significance by publishing in high-impact national and international journals. They held a total of 47 research grants in 2023–2024 from Canadian and U.S. governmental agencies and private sector contracts. Additionally, the Faculty's state-of-the-art research facilities attract both local and international collaborations.

Scholarly Output & Publication Impact 2023–2024

190

Total publications*

202

Citations**

*Total publications includes disciplines outside of dentistry such as medicine and biochemistry, as well as other multidisciplinary publications

**Citations is defined as how many times a specific work has been cited by other publications

Data source: Scopus, retrieved on May 7, 2024

Dentistry Research Funding 2023–2024

\$4,628,200

Total research funding

TOTAL RESEARCH FUNDING FOR PERIOD MAY 1, 2023 TO APRIL 30, 2024

Government, Other	\$ 1,970,666	Federal and provincial funding agencies, such as Canadian Foundation for Innovation John R. Evans Leaders Fund, Ontario Research Fund, Early Research Awards; U.S. agencies such as National Institutes of Health
Tri-Agency	2,288,414	Canadian Institutes of Health Research (CIHR), National Sciences and Engineering Research Council of Canada (NSERC), Canada Research Chairs (CRC-CIHR and CRC-NSERC)
Not-for-Profit	227,732	Associations, academies, Ted Rogers Centre for Heart Research, Mitacs
Private Sector	141,387	Canadian and multinational companies
TOTAL FUNDING	\$ 4,628,200	

Featured Publications

IMPACT FACTOR: 2.6*

Mona Abdelrehim and Sonica Singhal's research paper *Is private insurance enough to address barriers to accessing dental care? Findings from a Canadian population-based study* appeared in *BMC Oral Health* in 2024.

This paper showed that certain populations with private dental insurance, based on their socio-demographics, still experience financial barriers to dental care and report inferior oral health, particularly individuals aged 20 to 39 and those with annual household incomes less than \$40,000.

IMPACT FACTOR: 6*

Christopher McCulloch et al.'s research paper *TRPV4 regulates β 1 integrin-mediated cell-matrix adhesions and collagen remodeling* appeared in *The FASEB Journal* in 2023.

McCulloch's lab uncovered a new mechanism by which TRPV4, a mechanically sensitive plasma membrane channel, regulates extracellular matrix (ECM) collagen remodelling in periodontal tissue. This study adds to the understanding of ECM, which is crucial to preserving tissue integrity and function.

IMPACT FACTOR: 42.1*

Michael Glogauer and Erin Watson's research paper *Development and Standardization of an Osteoradionecrosis Classification System in Head and Neck Cancer: Implementation of a Risk-Based Model* appeared in *Journal of Clinical Oncology* in 2024.

The authors developed a staging and grading system (ClinRad) for osteoradionecrosis of the jaw, which is a debilitating condition that affects four-to-eight per cent of head and neck cancer survivors who undergo radiation. ClinRad outperformed existing systems and is recommended as the staging system of choice by the American Society of Clinical Oncology expert panel for the prevention and management of osteoradionecrosis.

IMPACT FACTOR: 9.4*

Michael Glogauer's research paper *Discovery of phosphorylated lantibiotics with proimmune activity that regulate the oral microbiome* appeared in *The Proceedings of the National Academy of Sciences USA* in 2023.

This study found lantibiotics produced by *Streptococcus salivarius*, a commensal bacterium in the human oral cavity, have antimicrobial properties against oral pathogens and biofilms and exhibit pro-immune activity. They could be used to target infectious pathogens while preserving the oral microbiota.

*Impact Factor is the relative importance of a journal within its field; journals with higher impact factor values are given the status of being more important, or carry more prestige in their respective fields.



Continuing Dental Education

The field of dentistry is constantly evolving. The Faculty offers courses to ensure the dental community stays up-to-date with new technology, best practices and approaches to patient care.

CDE Courses

69

Total number of
courses offered

1,641

Total number of
participants

UTOOTH.CA (online platform)

41

Total number of
utooth.ca courses
offered

4,209

Total number of
courses purchased

Note

This reporting period extends from July 1, 2023 to June 30, 2024.

2023–2024 course participant testimonials

“I thoroughly enjoyed and understood the presentation. It was very daunting to relearn this and I had been postponing it, but I am really glad I took this course.”

“This has been by far the best CE I’ve ever taken in my career, it was evidence-based, scientific, multidisciplinary and very inspiring.”



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Faculty of
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Dentistry Building

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