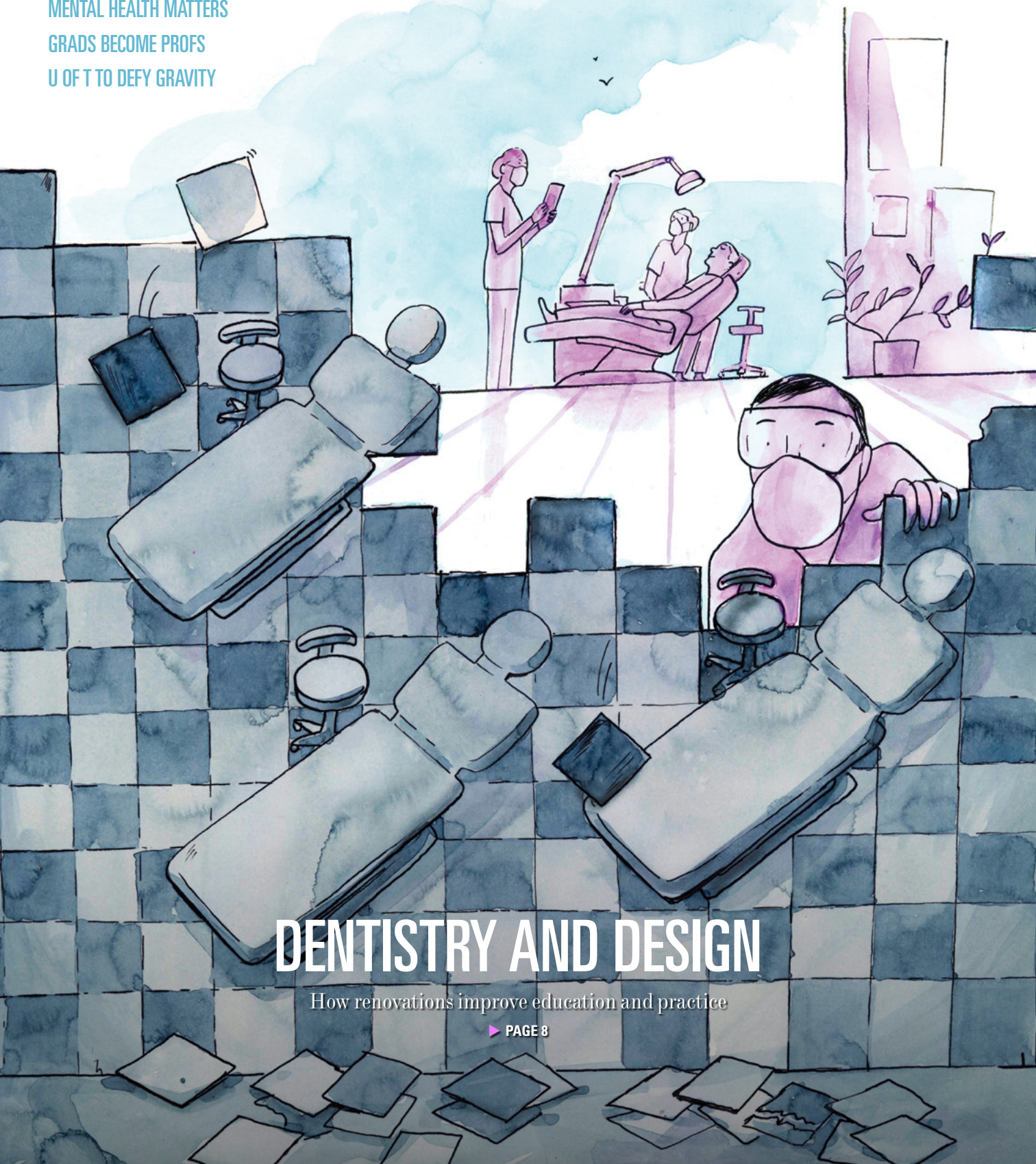


U_{OF}T DENTISTRY

MENTAL HEALTH MATTERS

GRADS BECOME PROFS

U OF T TO DEFY GRAVITY



DENTISTRY AND DESIGN

How renovations improve education and practice

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Rendering of the proposed patient reception area at 101 Elm St.

Photo: Courtesy of Montgomery Sisam Architects

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MESSAGE FROM THE DEAN

BUILDING THE FUTURE OF DENTISTRY

This issue of *U of T Dentistry* magazine focuses on the buildings that house dentistry's teaching, research and patient care. Our historic building requires upgrades in order to better serve our entire community. One of our feature stories will look at the impact renovated spaces have on our students, faculty and patients.

We have made great progress with updates to our main building at 124 Edward St., including our research labs, the latest renovation to our auditorium and the addition of a central medical device reprocessing facility. After several months of operations, we have also seen how our new satellite clinic at 777 Bay St. has allowed a significant increase in capacity for our DDS students' clinical training. This clinic will be invaluable as a swing space as we look forward to upgrading our simulation lab and Clinic 2.

As we continue with our efforts to enhance our spaces, we have launched a new fundraising initiative as part of the University's Defy Gravity campaign. The success of the

Boundless campaign has put U of T in the right direction for this next chapter of excellence.

In this magazine, you will also read about the importance of clinic design, highlighting several members of our alumni community in their private practices. The physical space in a dental office can impact many aspects of the practice, including patient comfort level and staff efficiency. Design has become an important factor in the way many dentists are setting up their offices for a better experience.

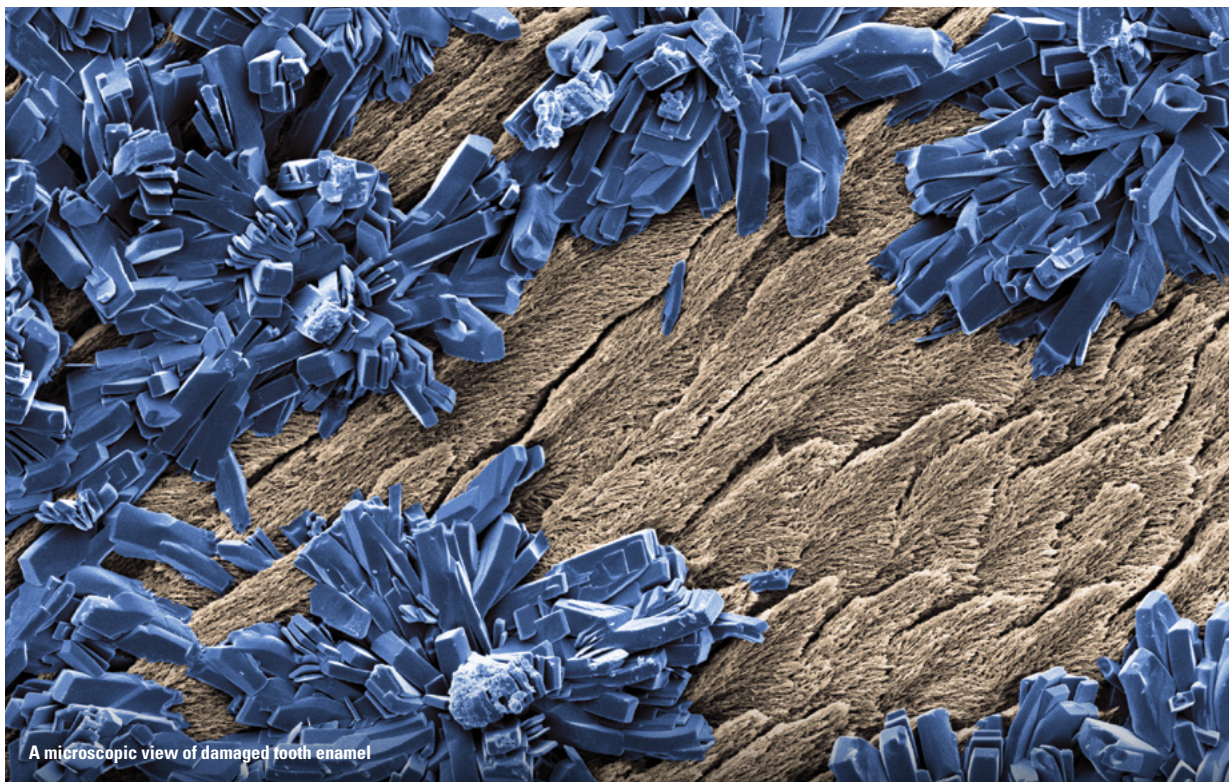
It has been a true
honour and
privilege to serve
as dean for the
past 10 years

Finally, I would like to say thank you to all of you, the valued members of our alumni community. It has been a true honour and privilege to serve as dean for the past 10 years. While the last two of those years involved challenging circumstances, our community showed tremendous resiliency and our Faculty continued to achieve excellence in research, education and patient care. I am humbled

to have been part of this experience and I am grateful to also be a member of the alumni community. I look forward to seeing you in person at events in the near future. ■

DEAN DANIEL HAAS 779, 878 PHD

UP FRONT



A microscopic view of damaged tooth enamel

Photo: Courtesy of the Bozec Lab

TEETH WHITENING DAMAGE

A study published by U of T Dentistry associate professor Laurent Bozec shows teeth-whitening products may harm dental cells. International visiting PhD student Ola Redha from University College London was a key contributor to research that assessed the dental cell damage caused by the use of carbamide peroxide (CP) teeth-whitening treatments. The Faculty's professor Boris Hinz and DDS4 student Sabrina Nguyen also supported the study.

Using an in-vitro dentin perfusion assay model, Bozec and the team showed that an application of CP gel reduces the enamel protein content of teeth by up to 50 per cent. This loss results in a greater

penetration of the whitening agent inside the tooth, which can lead to an increase in dental-pulp cell mortality. The team tested this using an in-house dentine perfusion chamber and found that when exposed to more than the recommended dose, dental pulp cells did not survive.

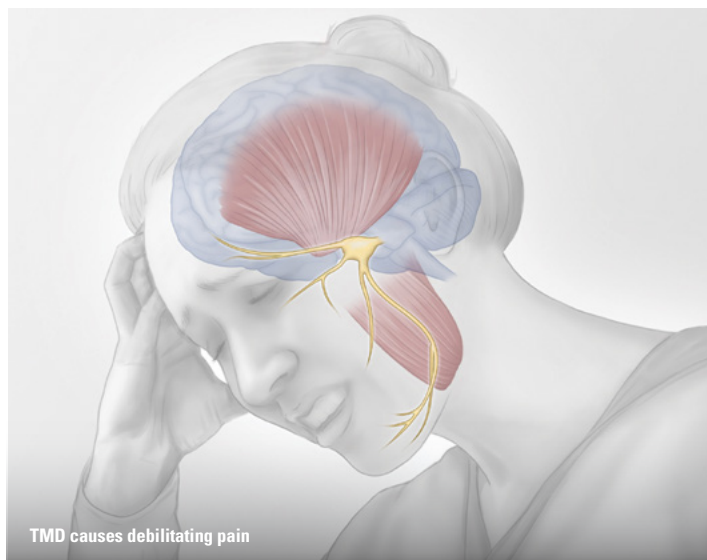
"Many home tooth-whitening products have such a high concentration of CP gel and yet little is known about what it does to the inside of our teeth," says Bozec. "We believe this is the first study of its kind to show the toxic effects of using a tooth-whitening agent."

The study shows the need for a compromise between the concentrations of peroxide used, exposure time, desired patient outcomes and side effects experienced. ■

50%
REDUCTION TO
THE ENAMEL
PROTEIN CONTENT
BY CP GEL
APPLICATION

THE BIOLOGY OF TMD

Photo: Ann Sanderson



Temporomandibular disorder (TMD) affects eight to 12 per cent of Canadians. “TMD is a huge cause of orofacial pain, but it’s understudied,” says Massieh Moayed, assistant professor at the Faculty.

Last fall, the Canadian Institutes of Health Research awarded Moayed and assistant professor Iacopo Cioffi \$830,000 over five years — in addition to an initial \$100,000 — to identify a biological signature of TMD by looking at muscles and nerves in a multi-centre trial of about 300 people.

Current treatment approaches are not effective — more than 30 per cent of people with TMD are still in pain five years after diagnosis. As well, we know little about trigeminal neuropathic pain (TNP).

Dentists and physicians diagnose these disorders by palpating facial muscles and asking for reports of pain and its impact on function. “It’s very subjective,” says Cioffi.

With more information, doctors could categorize these conditions from mild to severe, plus match treatments to biological causes. Currently, most people with facial pain get a treatment approach that starts conservatively and ramps up to see what works for them.

Follow-up research will assess which treatments most effectively impact specific biomarkers, plus look into the origins of facial pain. Says Moayed: “It opens the door to how we can prevent it.” ■

“TMD is a huge cause of orofacial pain, but it’s understudied

COURSE DESIGN GOES MICRO

The Faculty of Dentistry is offering a microcredential to help course directors improve their course design skills and put them into practice.

Jack Gerrow 7T9, adjunct professor at the Faculty, spearheaded the new, year-long program.

The goal of the microcredential is to “improve participant knowledge of learning pedagogy with respect to course design and to enable participants to implement this knowledge into actionable change into their curricula.”

Participants are attending workshops and completing assignments that will serve as their course outline and evaluation system for the following year. ■

BOARD LEADERSHIP

Get involved with the Dentistry alumni board. See the new application form on the website to see how you may be able to participate!

uoft.me/dentistry-alumni-board

PRIORITIZING MENTAL HEALTH



Photo: Jeff Comber

The Faculty of Dentistry is putting a greater emphasis on mental health education. This includes a new third-year course called Psychiatry and Dentistry, plus clinical rotations at the Centre for Addiction and Mental Health (CAMH). DDS₃ students can choose to do a one-week clinical rotation at CAMH and every fourth-year student is required to attend for one day.

“One in five people suffer from mental illness,” explains Joel Rosenbloom, assistant professor, teaching stream, who spends two days a week as a staff dentist at CAMH. “We have to equip our students to deal with this because if we ignore it, we do so at the expense of them and our patients.”

Rosenbloom is the director and a lecturer for the third-year course and helps run lunch-and-learn sessions at the Faculty on mental health.

“The defining illness of this generation is no longer heart disease or cancer — it’s mental illness,” says Rosenbloom. “The more

professors and dentists set the tone that it’s OK to confide in others about what you’re going through, the more we create an environment where we can welcome open and honest communication to support each other institutionally and as human beings.” ■

“The defining illness of this generation is no longer heart disease or cancer — it’s mental illness

MEASURING COVID-19 IN DENTISTS

Early on, many assumed COVID-19 would spread dangerously in dentistry. But a study published in the *Journal of the American Dental Association*, which looked at 644 licensed dentists across Canada over six months, showed infection rates among Canadian dentists similar to that of the general population.

The collaborative study was led by McGill University assistant professor Sreenath Madathil. U of T Dentistry professors Carlos Quiñonez oT₉ PhD and Michael Glogauer 9T₃, 9T₉ Dip Perio, 9T₉ PhD were also co-authors.

“This study further shows the safety of dental care,” says Glogauer. “The profession’s ability to adapt quickly is shown in this study and the data shows we remain a very safe profession.” ■

STAY IN TOUCH

Stay connected with what’s happening at the Faculty and what your fellow alumni and friends are doing in the community. Update your contact info at: dentistry.utoronto.ca/alumni

ADVOCATING FOR A NEGLECTED OROFACIAL DISEASE

Students at the Faculty of Dentistry are advocating for more awareness and action to combat noma, a preventable disease that is affecting young children in impoverished communities. Noma occurs when bacteria and microbes quickly destroy facial bones

and tissues, leading to severe facial disfigurements and often death.

The Faculty's Noma Action Group (NAG) was started in 2020 by Joel Rosenbloom, assistant professor, teaching stream, and is run by DDS4 students Vivian An and Jacob Thomas.

The goal of NAG is to raise public awareness and encourage the World Health Organization to include noma on its list of Neglected Tropical Diseases.

NAG has hosted several events, including one in November 2021 featuring Fidel Strub, a survivor of the disease. NAG's future goals include presenting One Hour for Noma, a lecture, at all dental schools in Canada to help spread the word about the disease and inspire people to do more about it.

According to Rosenbloom, "If the One Hour for Noma project is successful, then every single dental student in Canada will graduate with a sound knowledge about noma. Given that noma is not well known among Canadian dentists and that awareness raising is critical, this would be an amazing step forward in the campaign to have this disease eradicated."

“If the project is successful, then every single dental student in Canada will graduate with a sound knowledge about noma”

THE BEAUTY OF LEARNING



How upgrades at faculties of dentistry impact
learning, research, patient care and perceptions

BY DIANE PETERS

ILLUSTRATION BY GRAHAM ROUMIEU

Professor Siew-Ging Gong's glassed-in office on the fifth floor of the Faculty of Dentistry's 124 Edward St. building catches light from a row of windows that runs along the opposite wall. In turn, those windows more directly brighten open-concept work benches used by research associates, PhD students and people like Gong's new postdoctoral fellow, who just arrived from India.

She used to have an office with a window, but this is a more egalitarian use of light. Plus, everything is new and put together in soothing shades of grey and white with blond wood. Gong isn't sure if she's working differently or more efficiently in this upgraded environment, but she likes being surrounded by well-thought-out design. "It's nice to be in a nice space," she says.

The \$21.5-million renovation that made these bright work stations possible was completed in 2018, and encompassed the building's fourth floor as well, giving each floor a new kitchen nook and shared lounge spaces, plus tech-enabled meeting rooms and classrooms. "You feel better being here," says Gong. "There's more light; it feels clean," she says of the upgrades that also transformed individual labs into large, shared spaces, with the addition of numerous specialized labs, too.

While those who work, research and learn on the top two floors of the dentistry building enjoy their fresh surroundings, much of 124 Edward St. still requires upgrades. The building dates back to 1959, and until recently, its last major renovation had taken place in the 1980s.

The Faculty is fundraising to renovate Lab 4, the pre-clinical simulation lab, as early as 2022, and follow that up

with work on Clinic 2. These upgrades will complement the recent work on the main auditorium and a central medical device reprocessing facility.

With a new satellite clinic in operation at 777 Bay St., the Faculty of Dentistry is ready to address the displacement of clinical operations caused by a temporary closure of Clinic 2. Meanwhile, the look and functionality of the new clinic, plus the successful remodelling of the upper floors of the main building, serve as reminders of what state-of-the-art spaces offer.

"There's nothing wrong with 124 Edward St.," says Steven Brown 8To, a Toronto-based dentist who has been a clinical instructor at the Faculty since 2016. "It works. It's livable. But it's not as nice as we'd like it to be. It's nice to see things are being updated."

Adam Trotter, senior planner with University Planning, Design & Construction at U of T, says the work done at universities today balances practicalities and regulations — along with approaches to make buildings less carbon intensive — with the needs of those using the space. "The biggest part is making sure that the building they end up with is as ideal as possible to support the teaching, learning and research that happens."

DESIGN IN DENTAL EDUCATION

Most faculties of dentistry in Canada date back a half or full century and are housed in buildings from bygone eras. Hence, many of the 10 schools have been modernizing. That includes McGill University, which moved its clinic, teaching spaces, pre-clinical lab and administrative offices to a new location in 2014, investing \$18 million. Dalhousie University opened a 50,000-square-foot, \$28-million clinic in fall 2018 — it had last been renovated in the 1980s.

At the University of Alberta, the 1922 building dentistry shares with pharmacy is undergoing a \$149-million upgrade. Both Western University and the University of Saskatchewan plan to renovate their dentistry facilities soon.

While universities upgrade all the time, dental schools face different complexities: no other group on campus has to encompass research, didactic learning, simulation labs, diagnostic labs and patient-facing clinics, all under one umbrella. “You’re literally running a dental hospital,” says professor Chris McCulloch 7T6, 8T2 PhD. This both keeps the dentistry building in the public eye and increases the cost of providing education.

IMPACT ON LEARNING

Design matters when it comes to teaching clinics and classrooms. Some older clinical spaces were designed to treat patients in large numbers and were not focused on facilitating instruction, particularly group teaching. “It’s really hard to demonstrate for one student, let alone eight to 10 students,” says Jack Gerrow, an adjunct professor at U of T and former registrar of the National Dental Examining Board of Canada, who has taught at and consulted with numerous dental schools. “Dentistry involves 3D skills, so sometimes you have to show people,” he says. In tight spaces, you can have just one or two students observe a procedure.

Students, instructors and patients at the Faculty of Dentistry have been able to see how a more modern space works in action at the new satellite clinic. The clinic has been carefully designed for today’s clinical teaching experience, complete with enclosed operatories that allow for sightlines between instructors and students. Technology is fully integrated with easier access to the tools and equipment students and instructors need.

Operations have dovetailed with the opening of the Faculty’s central medical device reprocessing facility, which ensures a standardized approach to sterilization. “Now that all devices are distributed and collected on a cart system, it frees up critical space in the clinic,” says Larry Schnuck, vice-president and leader of the higher education team at Kahler Slater, the U.S.-based firm that consulted on the facilities component of the latest Faculty master plan. This change benefits all the clinics and will influence design choices moving forward, too.

At McGill, the team opted for a streamlined design. “We built the clinic from the ground up with technology already incorporated into it,” says Jeffrey Myers, who was clinical director at the time of the move. “There’s no exposed wiring. And we designed the treatment rooms so they’re easy to clean and there’s limited storage space. Things are easier to keep track of and there’s no dust collectors.”

The design of the Faculty’s satellite clinic allowed for staff to organize operations to help strengthen relationships

between students and instructors. Brown says he’s assigned to a single row in the clinic, so he works with the same students week after week. “When you see a student over and over again, you feel comfortable knowing what they need.”

Practicalities aside, the new space is also just an aesthetically pleasing place to be. “It’s incredible. You can see the whole of the city, it’s all windows, all glass. Everyone says it but it really is like night and day; it’s daylight all the time at 777,” says Brown.

Jacob Thomas, a DDS4 student, appreciates being able to learn in a fresh environment. “It’s so nice to be in the clinic. Everything’s so new,” he says.

A CLASSROOM SHIFT

Newly renovated classrooms feature multiple screens and tables and chairs on wheels, which creates the so-called flipped classroom that supports student-centred learning. “We’re still trying to get people to realize that student-centred teaching is a lot more effective way of getting information across,” notes Gerrow. “The big lecture hall enables a method of teaching that’s not as effective for novice learners.”

Indeed, changes in both clinical and didactic environments in dental schools reflect emerging teaching values. “There’s been a shift in pedagogy through universities, and dentistry is a part of that,” says Trotter. “All these new renovations we’ve done and are planning are keeping up with these trends.”

SUPPORTING RESEARCH

The open-concept labs on the research floors of the dentistry building were intended to maximize space — the walls between small, individual labs eat up valuable square footage — and enable collaboration.

McCulloch worked for most of his lengthy research career at the century-old FitzGerald Building in what he calls “rabbit runs.” Now that he spends his days in open labs and has an office with a glass door, and can have a coffee break or lunch in comfortable, shared settings, he’s getting to know more of his colleagues.

“Collaborations are easier,” he says. McCulloch had never met assistant professor Karina Carneiro before 2018, but thanks to running into her at work, they’ve landed four grants together. “That never would have happened without this kind of space.”

Modern labs come better equipped to deal with needs around power and technology, but also infection control. And it’s not just the motion-activated sinks — although those help. “The material of the new work surface is more easily cleaned and so much easier to maintain,” says lab manager and research associate Delphine Dufour. She also appreciates the bigger and brighter work space, which makes her work day more pleasant.

In older spaces, labs and desks would be side by side,



Rendering of the Faculty's proposed Clinic 2

now they're separate. "This change reflects a much higher standard of biosafety and overall lab safety," says McCulloch.

And while enclosed labs may seem safer in the era of COVID-19, the larger, well-ventilated labs at 124 Edward St. have been safe to use during the pandemic. "Social distancing has been made vastly easier," says McCulloch.

The Faculty's foresight in designing these new labs also meant investing in core facilities to enable specialized research — even when the researchers did not yet have the equipment for these labs. McCulloch's own fibrosis research has recently yielded sizable infrastructure grants to fill an imaging lab at the Faculty.

MATTER OF PERCEPTION

Thomas says the differences between the on-campus DDS clinic and the new location are subtle — after all, the quality of the care and level of hygiene is the same. "The patients are really happy to get to the new clinic. It's subjectively a better experience."

And while the new clinic is equipped with enclosed operatories to align with the latest infection control guidance, this layout also more closely resembles the usual dental visit experience. "It's a change from a patient care standpoint," says Schnuck.

For students, the new space mimics where they might work as a trained dentist. "It just feels like we're closer to graduation. We're more professional instead of in a student environment," says Thomas. Schnuck agrees: while not all students go on to work in private practice, learning in an environment that feels somewhat similar, plus is equipped with the type of technology they'd see in regular dental

clinics, helps them transition into the profession.

At labs, too, design changes have made the research environment more congenial. "Social interactions did certainly change. Walking through lab space that is not ours and seeing members from other teams is very pleasant," says Dufour, noting that you get more smiles and hellos now than ever before.

Designers involved in these kinds of projects aim to make space better for everyone. "Our goal is to make it as inviting and welcoming as possible," says Trotter. To that end, for instance, work is being planned for 124 Edward St. that will take advantage of natural light and improve wayfinding for visitors and new students. "We're going to make the environment more modern, brighter and fresher. I think that goes a long way," he says.

These perceived differences matter to staff, faculty and alumni, who want to be proud of their school. "I've seen it where something has been added to a school or there's been a new renovation, and you can see the instructors and the students bringing their friends and colleagues in and saying, 'Wow, look at this,'" says Gerrow.

Trotter agrees that when universities present new spaces to the public, everyone is curious. "The renewal of a place tends to bring a renewed interest in the public eye to the department or faculty," he says.

McCulloch thinks investing in physical space better supports teams in achieving excellence and meeting expectations. "We're part of U of T," he says. "We're competing internationally. We're not doing our job within the University if we're not staying in step with the larger mandate of being part of a world-class research university." ■

STYLE AT THE DENTAL OFFICE

Dentists have always focused on the aesthetics of the mouth, not the room. But now, they're becoming interested in and are investing in clinic design. Looking good boosts their businesses and better supports patients and staff

BY MARK WITTEN

PHOTO OOMPH DESIGN





Surgery room at Chagger Dental



The modernized consult room at Mark Lin's office

Photo: Courtesy of Mark Lin

Prosthodontist Mark Lin rTo MSc Prosthodontics knew his practice had outgrown its cramped and somewhat tired-looking space in north Toronto. The four treatment rooms, reception area and consultation room that doubled as his office no longer met the needs of the team or patients.

Lin wanted a functional separation between clinical and business areas, along with more treatment rooms, more office and reception space, and a well-positioned digital lab to support a larger number of patients and the continued growth of his specialty practice.

"Some longtime patients commented that the high-quality dentistry they received didn't fit with the look of the building. They were being honest, and I listened to their feedback," says Lin. Instead of just setting aside a basic budget and giving a builder general instructions, he made the choice to prioritize the look and feel of the clinic. Lin worked closely with an interior designer and project team to renovate, redesign and expand his clinic in 2018.

The effort was worth it: his clinic is now sleek, elegant and understated in monochromatic whites, greys and blacks. "I wanted a contemporary, clean look that isn't sterile, but welcoming for my staff and patients." He likes that his renovated office still looks like a healthcare facility.

While dentists are very much medical professionals, they're also often business owners. Increasingly, general dentists and specialists like Lin are learning about design and what it can do for their businesses and their patients.

"Dental offices used to be designed based on cost and

what was easiest for the contractor, and dentists rarely used an architect or interior designer. Now I see a lot of design-conscious dental clients," says Ancaster-based Oomph Design principal Ian Graham, who has designed more than 70 dental clinics in Ontario. He's seen a huge upsurge of interest in office design in the dental profession over the past decade. "They are looking locally and globally for ideas, but also want to make their office look different than everyone else's."

It's most often urban dentists who are looking to design to help set themselves apart. "In the larger cities, such as Toronto, where there is a lot of competition in dentistry, and design services are readily available, dentists are using architects and designers more often," says James Posluns 9Tr, 9T8 Dip Ortho, assistant professor and director of clinical affairs with the Faculty.

But investing in design is only partly about competition. Both patients and staff are better supported by a carefully put together clinical environment. Looking good in dentistry — and in dental offices — isn't superficial at all.

BRANDING THE BUSINESS

Design is a powerful branding tool for establishing and promoting a single dental practice, or group of clinics, in an increasingly competitive market. "I approach a dental office like a retail environment, with integrated graphics and signage that help bring the brand to life. A branded environment should be everything that the brand represents from the entry to the exit experience. The goal is to make a visit to the dental office a positive and memorable experience for the patient," says Graham.



The reception desk at Go Orthodontistes in Montreal

For Lin, branding through design is about making sure the type of care offered is reflected in the environment. “You have to create your own brand and see things through the patient’s eyes. Patients have a perception when they see a specialist that the standard of care must be very high. The visual component is extremely important, and the physical environment needs to match the quality of care,” says Lin.

For some dentists, the design of their clinic reflects their professional personality. “The office is an expression of who they are and how they work. It’s engaging and captivating for the designer because dentists often have distinct personalities and aspirations with specific wants for their clinic to look special and unique,” says Toronto-based architect and interior designer Tania Bortolotto.

Graham has worked with numerous dentists in different clinical environments and helps his clients develop a look that reflects their unique offering. That’s ranged from designing dental practices with multiple locations — such as Chagger Dental and Toothworks Dental Clinics — as well as distinctive-themed, single locations. For instance, Oomph’s strategy for Smile Studio Dental in Richmond Hill aimed to please upscale clients with the look and feel of a sophisticated boutique hotel.

WELCOMING PATIENTS

The new emphasis on design in dentistry puts patients — and how they feel during treatment — first. “When you create a warm, inviting environment, it helps patients fight off their fear and pain, and a positive experience helps bring them back to your office in the future,” says Bobby Chagger of T6, whose flagship Oakville clinic featuring

bold, playful colours and glass-enclosed operatories set the tone for his successful expansion to a network of offices across southern Ontario.

The Faculty’s new, state-of-the-art satellite clinic at 777 Bay St. illustrates how good design can make the functional requirement of enclosed operatories for infection control aesthetically appealing. One side of each of the 41 spacious treatment rooms is glass with a sliding door to take advantage of natural light, and each of the four blocks of 10 operatories is colour-coded in blue, orange, yellow and silver. “The design had to be clean and simple, but we created interest by adding colour and also wayfinding for staff, students and patients,” explains architect Paul Wepler of Saccoccio Wepler Architects in Toronto, who designed the satellite clinic and his own dentist’s office, too.

Creating a clinic that would instantly put patients at ease was top of mind when multidisciplinary designer Natasha Thorpe designed a location for Go Orthodontistes in a mall on Montreal’s south shore. “The role of design in a clinic setting is to satisfy the technical and functional requirements of the space, and do anything possible to alleviate fear and create a calm, comfortable environment,” says Thorpe. She faced the challenge of creating a tranquil space that contrasted with the mall surrounding it and could only be accessed through a long, narrow hallway.

Go Orthodontistes asked Thorpe for other ideas after rejecting a design that proposed using the long corridor as a waiting area. “Patients would have to walk through people to enter the clinic, which would make them more anxious,” explains Thorpe.



John Voudouris's own drawings enliven his operatories

Photo: Tom Arban Photography

She transformed the corridor into a clean, inviting, wood-lined passageway that beckons patients into a greeting area with a circular reception desk. “Patients come from the mall into a completely different environment. No seat is turned with its back to the entrance, which also reduces apprehension,” she says. As a bonus, the hallway is functional, too: it features hidden storage.

Thorpe also paid special attention to the clinic’s X-ray room, where some patients feel anxious and claustrophobic. One wall features a backlit, custom-printed panel of a forest. “An X-ray chamber is often the area that causes the most fearful experiences in patients. There is a huge machine that makes loud noises. Studies have shown that exposure to a photo of nature reduces anxiety and when patients look at the forest it has a calming effect,” explains Thorpe.

DESIGN’S SOOTHING POWERS

Research by environmental psychologists reveals that good lighting, soothing wall colours, natural-coloured wood with a grain, natural sunlight and plants or nature-based artwork promote a sense of calm and relaxation for patients, while also boosting their mood.

Bortolotto has designed several award-winning dental offices that are inviting, relaxing and even inspiring for patients because of their striking visual appeal. “It’s about how the patient experiences the space and how it makes them feel. We aim to create a beautiful space that gives the patient a bit of a wow factor and makes them feel relaxed,” says Bortolotto. For one clinic, for instance, Bortolotto collaborated with the dentist to create a colourful environment infused with energy and brightness — plus it took

advantage of stunning views of Lake Ontario.

Using attractive distractions and promoting the dentist’s expertise are two other design elements that promote positive interactions between professionals and patients, according to studies. So, when working with John Voudouris 8T3, 8T7 Dip Ortho, 8T8 MSc on his mid-town Toronto orthodontic office, she made sure to include a striking reception desk. Futuristic, custom light fixtures drop away from the ceiling in descending levels. Each of the glass partitions between the seven operatories feature custom, whimsical drawings that reflect the dentist’s patented orthodontic inventions. “We scaled up some of his sketches into large images — three metres tall — and put them on the glass panels,” says Bortolotto of the design project that won a 2021 Best of Canada Award.

Design to support patient-centred care enables patients to feel empowered and informed. Consultation rooms at Chagger Dental feel more like lounges, with patient and healthcare professionals on an equal rather than hierarchical footing. “Our consultation rooms have chairs and a round table, which is more casual and less intimidating than talking to a dentist behind a desk. Patients look at a movie screen rather than a laptop, and they feel more relaxed discussing their proposed treatments,” says Chagger.

Giving patients an opportunity to view their treatment in real time also helps build trust and acceptance. “Some private dental clinics put computer screens in front of the patient so they can watch the procedure and ask questions. Patients are interested in what’s going on and advocating for themselves,” says Wepler.

STAFF SUPPORTS

Smart design also ensures dental staff can perform their tasks easily, efficiently and enjoyably, while reducing the risks of musculoskeletal disorders (MSDs) and injuries. Two out of three dentists and more than 80 per cent of hygienists experience musculoskeletal pain during their careers, and MSDs are the top health reason for early retirement among dentists.

“Design is more than making an office look nice. Form follows function and the two need to mesh. You have to create an ergonomic environment where staff have enough space to work efficiently and not feel encroached upon,” says Chagger. Today’s dentists are making sure their clinic upgrades offer sufficient room for staff to do their jobs safely, encourage better workflow and include ergonomic equipment and optimal lighting.

Amenities, such as an attractive, well-equipped staff

lounge or a lunchroom with comfortable seating, give staff their own space to relax and recharge — that’s important when you’re trying to retain staff in a competitive job market. “Staff need their own space to decompress, and a Zen-like environment goes a long way,” says Posluns.

VISUAL APPEAL

Dentistry is one of the most aesthetic of the medical professions, so it’s fitting that dentists are focusing more attention and resources on design. “Dentists work in millimetres and they appreciate the level of detail and complexity involved in designing and putting together a dental office,” says Graham.

Since Lin reopened his office after the renovation, he’s been getting more referrals than ever. “Patients tell me this place is beautiful and it gives me a sense of confidence that investing in design was the right decision for them and my practice.” ■

ALUMNI EVENTS

From class reunions to the Great Alumni Event, learn more about the fun social events, workshops and lectures available to dentistry alumni. Visit: dentistry.utoronto.ca/alumni/events



THE UNIVERSITY OF TORONTO FACULTY OF DENTISTRY'S

GREAT ALUMNI EVENT

SAVE THE DATE

We hope to see each other in person on May 6, 2022 to reconnect with friends at Steam Whistle Brewing.

For more information and event updates, visit our website.
www.dentistry.utoronto.ca/the-great-alumni-event

DEAN HAAS

HONOURING HIS LEGACY



As his tenure in the top job winds up,
the Faculty of Dentistry community reflects

As dean for the past decade, Daniel Haas has transformed the Faculty of Dentistry physically and philosophically. As Haas approaches the completion of his second decadal term in June 2022, members of the U of T community reflect on his impact.

“Dan is passionate about our Faculty, especially our students,” says Mary Choi, assistant dean, administration. “He’s really shifted the culture in our Faculty.”

Professor Bernhard Ganss, vice-dean, research, agrees. “Dan has revamped the Faculty, changing the culture from a place people were reluctant to get involved to a place where people are really engaged,” he says. “His consultative approach is a big part of what made things like the strategic plan such a success.”

Haas’s ability to motivate others and trigger change has roots in his deep understanding of the University, having received a BSc (with honours), a DDS, a BScD in anaesthesia and a PhD in pharmacology from the University of Toronto. From 1998 to 2013, he was the director of the

graduate program for the specialty of dental anesthesiology. He is the recipient of numerous major awards and currently holds the Arthur Zwingenberger Decanal Chair and has a cross-appointment with the Department of Pharmacology in the Temerty Faculty of Medicine.

Dean Haas's vision helped the Faculty embark on much-needed upgrades to 124 Edward St.

"Over the last eight years, we renovated world-class wet labs for researchers, a new student commons space, seminar rooms and many smaller projects that improved the instruction and student spaces," says Choi. "And our latest projects include the medical device reprocessing facility, the auditorium and the satellite clinic. These upgrades have set us on the right path for the next five years." That includes plans for upgrading Lab 4 and Clinic 2.

The Faculty's modernized research facilities, completed in 2018, have shown the value of investing in infrastructure, as they've fostered innovative discoveries, collaboration and learning.

"When the funding opportunity arose, we were ready due to Dan's preparedness," says Ganss. "Having this new space has had a huge impact on our culture."

Ganss notes that Haas's efforts to reorganize the Faculty's leadership, creating two new vice-dean roles, in research and education, also helped elevate the importance of both areas within the Faculty. This led to the introduction of Education Day in addition to the already established Research Day.

Haas has also emphasized the well-being of students. He created the role of director of student life, which has been filled by Richard Rayman 7To, plus a wellness committee that focuses on student mental health.

"As a student leader, I've had the pleasure of interacting with dean Haas on many occasions," says Fady Barsoum, Class of 2022 and Dental Student Society president. "He has been a great communicator and advocate for students. He always makes himself available and sets aside private meetings for us. Dean Haas has done a tremendous job and has improved both the program and the Faculty."

Haas's impact goes beyond 124 Edward St. "Dan has made significant efforts to make meaningful relationships with dental schools nationally and around the world," says professor Jim Lai oTo MSc Perio, vice-dean, education. "Because of this we have had more interactions between Canada and the U.S."

As a professor, Haas knows the importance of excellence

in teaching, and has supported numerous innovations, including the creation of a new microcredential in course design. "Dan has created the environment with a real focus on the importance of education," says Lai. "It's because of how much he cares about our students — he wants to provide them with the best learning environment possible."

These sentiments are echoed by Trevor Young, vice-provost, relations with health care institutions and dean, Temerty Faculty of Medicine. "Working with Dan over the years, I've seen his passion for the Faculty and the profession shine through," says Young. "He's increased the profile of the Faculty both within the University and beyond the walls of U of T. He's also an amazing and collaborative colleague."

Those who have worked with Haas will miss his ability to handle anything. That included the early months of the pandemic, when his advocacy allowed the Faculty's student clinics to start seeing patients safely by July 2020.

"Dan has been a passionate and dedicated advocate for Dentistry during his time as dean," says U of T president

Meric Gertler. "Never has this been more evident than during the pandemic, when he has tirelessly advanced the interests of dentistry students and faculty. His leadership over the past decade has been nothing short of remarkable, and he leaves behind a wonderful legacy."

Haas says what he's going to miss the most about being dean is the interpersonal side. "There are a lot of great people at the Faculty — that's what makes it

such a great place to work," says Haas. "The people are also what gives it such great potential. They give ideas for what the Faculty should be doing and where it should be going. I'll miss the opportunity to be involved in these discussions."

Although Haas faced unprecedented challenges during the pandemic, he says they made the job even more rewarding. "In this role, you get a chance to make a difference, but that's not always easy," he says. "The challenges made it more than worthwhile. Being dean gave me the chance to do something that is of significance and will be helpful for all those who work here, train here and will graduate from here. I'll miss that."

As for the future of the Faculty, Haas believes it's a bright one, especially for research and training.

"My hope is for the Faculty to keep advancing forward, recognizing the equal importance of our excellence in research and education," he says. "Our graduates are the future generation of healthcare professionals. I look forward to watching them continue to provide the best in patient care and advance the wonderful profession of dentistry." ■

“ Dan has been
a passionate and
dedicated advocate for
Dentistry during his time
as dean

GRADS *stay* IN SCHOOL



JUSTIN BUBOLA
2T1 MSC OP/OM



HEBATULLAH HUSSEIN
2T1 PHD



ALICE (FANG-CHI) LI
1T8 PHD, 2T1 MSC ENDO



NASHAT CASSIM
1T7, 2T1 MSC PAEDO

Some of last fall's advanced degree graduates from
the Faculty of Dentistry now work in academia.
Here's how they're transitioning into academic life

CONGRATULATIONS TO OUR FALL 2021 GRADS

Paul Azzopardi, MSc Anes
Virginia Julia Bertucci, MSc Ortho
Justin Bubola, MSc OP/OM
Mohamed Nashat Cassim, MSc Paedo

Alexander Danesi, MSc
Aldo Enrique del Carpio Perochena, MSc Endo
Danielle Douglas, MSc OR
Mohamed El-Rabbany, PhD OMFS

Denise Eymael, MSc
Rachel Faren Goldberg, MSc Ortho
Hebatullah Mohammed Adel Saleh Elsayed
Hussein, PhD

Many attend graduate school so they can excel in their field. But some dream of staying in academia to research, teach and make a difference. Consider Justin Bubola as one such dreamer.

“This was my goal,” says Bubola of his new position as a part-time assistant professor, teaching stream, at the Faculty of Dentistry. He balances teaching and research with a couple days a week in private practice.

He’s well prepared for this varied schedule after a four-year master’s in oral pathology and oral medicine that entailed a hospital residency, research and teaching. “It was a very intense program with so many facets to it,” he says.

The teaching time proved pivotal. “During the program I got a lot of exposure to teaching dental students and I developed a passion for teaching,” says Bubola, who completed his DDS at Western University in 2014.

For one fall graduate, academic life was already mapped out in advance. Hebatullah Hussein came to U of T in 2016 on a government-sponsored scholarship from Egypt. She got funding to complete her PhD and then return to Ain Shams University in Cairo, where she’d completed her dental degree and her master’s in endodontics, to take a job as a lecturer (which is equivalent to assistant professor).

Ain Shams University excels at clinical teaching, but its dental research program is not fully established. “Before I came here, doing cutting-edge, basic science research there was not feasible,” says Hussein, whose work in professor Anil Kishen’s lab has entailed researching nanotechnology-based root canal materials and host-bacterial interactions. “I will go back and try to apply what I have learned here.”

Kishen has also worked with another of this fall’s graduates, Alice (Fang-Chi) Li. A trained endodontist from Taiwan, she came to Canada to do her PhD in 2014, and

then finished a master’s in endodontics. “To be well trained in both research and clinically helps me to be a well-rounded endodontist,” she says.

Li now works as an associate at a practice in Toronto and has a clinical instructor position at the Faculty, plus she’s doing research in Kishen’s lab as an adjunct professor. During Li’s PhD, she focused on using bioengineered nanoparticles for enhancing the root dentin in root-canal treated teeth, but pivoted during her master’s to looking at inflammation and wound healing on the cellular level. “It feels like I’ve broadened my skills into other aspects of research,” she says.

One new faculty member at U of T Dentistry came into his master’s in pediatric dentistry without plans for a future in academia. “I’d worked with kids my entire life,”

says Nashat Cassim. During his DDS at U of T, a one-week rotation at SickKids solidified his plans for becoming a pediatric dentist. He completed a one-year residency at SickKids and then started his master’s.

His thesis looked at dental students and their experiences treating patients with developmental disabilities. “I didn’t know I was interested in research until I started doing research that interested me,” says

Cassim. “I also realized I’m passionate about education.”

His part-time position as an assistant professor in the teaching stream at the Faculty allows him to work closely with students, plus do research on dental education. He also works in private practice and serves as a staff dentist at Holland Bloorview Kids Rehabilitation Hospital.

These grads are blending teaching, clinical instruction, research and working in private practice. Says Cassim of his own quest to juggle it all: “You’re a better clinician if you have a solid foundation of what’s new. When you have that foot in the academic space, I think it makes you a more informed practitioner.” ■

“During the program I got a lot of exposure to teaching dental students and I developed a passion for teaching

CORRECTION: JANELLE BROWN-WALKUS COMPLETED HER MSc IN SPRING 2021; WE MISSED HER IN OUR PREVIOUS ISSUE

Haleh Javidnia, MSc Perio
Bomee Kim, MSc Anes
Sungyoon Kim, MSc Ortho
Michael Walker Laschuk, MSc OMFS

Fang-Chi Li, MSc Endo
David Makar, MSc Ortho
Quang Vinh Nguyen, MSc Perio
William Nicola, MSc Paedo

Astha Atul Shah, MSc DPH
James Tonogai, MSc Prosthodontics
Tomas Andrew Vilde, MSc
Marc Edward Yarascavitch, MSc Ortho

INFLUENCING EDUCATION *and more*

The recipients of the 2022 Alumni of Influence Awards share a common passion for teaching dentistry. But their influence goes beyond the classroom and teaching clinic, spanning forensics, national and international organized dentistry and academic leadership. Meet our three honourees and find out how their extraordinary commitment to serving others is making dentistry a better profession. **BY ALLAN BRITNELL**



MARIE DAGENAIS 8T8 DIP OR

Marie Dagenais's career in health care seemed almost inevitable. Her father was a physician, her mother a nurse and her brother is a surgeon. "I was initially attracted to dentistry by the manual component. I was good with my hands," she says.

But becoming a specialist, a teacher and eventually a leader in academia and organized dentistry was never by design. Dagenais has followed her passion, and that's led to an esteemed career that's made a mark on dentistry.

During her studies, Dagenais discovered an interest in radiology. "I was attracted to the fact that it required knowledge of medicine, pathology and disease processes," she says. After completing her DMD and a residency at the Université de Montréal, she earned her diploma in oral radiology at the University of Toronto.

After graduation, she began to teach. "Teaching is a significant part of my life. Deep inside me, I'm a teacher," she says of her 27 years as an associate professor at McGill University. "I enjoy sharing and learning from the students."

She was the associate dean of academic affairs for 13 years, followed by two years as the chair of the admissions committee for McGill's Faculty of Dentistry.

She served as president of the Association of Canadian Faculties of Dentistry and the Canadian Academy of Oral and Maxillofacial Radiology, plus maintained a private practice. She still works as a consulting radiologist a few days a month.

For the past seven years, Dagenais has worked for the National Dental Examining Board of Canada, serving as its executive director and registrar since 2018.

Her contributions via this organization have been considerable. Professor Jim Lai, vice-dean of education at U of T's

“The training is exceptional. I'm very proud to have gone here

Faculty of Dentistry, calls her an "innovative thought leader responsible for maintaining the quality of these evaluations and fostering the development of her team, the board of directors and future Canadian dentists."

While Dagenais's commitment to McGill and the wider dental community runs deep, she harbours a soft spot for U of T. "The training is exceptional. I'm very proud to have gone here." With just a couple of oral radiology students each year, the program fosters a tight-knit community. "We all know each other. The graduates are like family."



Photo: Stef + Ethan

VICTOR MONCARZ 6T9, 7T3 DIP OMFS

For Victor Moncarz, treating patients abroad has had a profound influence on his life and career.

Born in the USSR to Holocaust survivors, his family immigrated to Canada when he was eight. By age 12, he was working in a factory on Saturdays to help support the family.

“Teaching has been the highlight of my career. It’s so enriching

Moncarz’s specialty training and early work years were busy: he and his wife, Sharon, a teacher, had three children in six years while they paid down student debt. Moncarz turned down an internship in Israel and a fellowship in Europe. “We felt we missed out,” he says.

In 1981, the family headed to Montpellier, France, where Moncarz took on a hospital fellowship in plastic surgery. He learned to speak and write in French and treated facial and jaw injuries and performed plastic surgery. “It honed my

professional skills,” he says of the intensive experience.

In the late 1980s, he went overseas again, taking an unpaid sabbatical to work at the Hadassah Medical Centre in Jerusalem during a Palestinian uprising. “It was at the epicentre of trauma,” says Moncarz, who treated patients with armed guards outside the door. “I’d never seen a gunshot wound in my life.”

Those experiences opened the door to national and international appointments, including executive director of the International Association of Oral and Maxillofacial Surgeons and president of the Canadian Association of Oral and Maxillofacial Surgeons.

Moncarz’s local contributions have been notable, too. Since 1974, he’s worked in the department of surgery at North York General Hospital. He’s been a clinical instructor in oral and maxillofacial surgery at the Faculty since 1975. “Teaching has been the highlight of my career. It’s so enriching,” says Moncarz. He further supported students as a bilingual examiner for the Royal College of Dentists of Canada.

“I consider myself such a fortunate man,” says Moncarz, whose travels taught him the value of life balance, so he maintains hobbies, and just took up stand-up paddle boarding and guitar. His students, patients and colleagues would say they’re the fortunate ones.



FRANK STECHEY 7T1

When it was first suggested he study dentistry, Frank Stechey was aghast. “There’s no way I’m putting my fingers in people’s mouths all day,” he says now with a laugh.

He overcame his initial reluctance to spend more than 30 years in general dentistry, while also becoming an innovator in sports dentistry, forensic dentistry and teaching. Today, Stechey is grateful for that long-ago advice and those who supported him at the Faculty of Dentistry.

After his undergraduate degree, Stechey planned on pursuing a master’s, but a mentor suggested dentistry. After briefly running a practice in Bramalea after graduation, he was offered a teaching position at a dental residency in Hamilton in 1973, so he moved and set up a practice there.

He began volunteering as a team dentist for the likes of the Hamilton Bulldogs, Toronto Rock and Canada’s national lacrosse team. Stechey then developed custom mouth guards not only for each individual, but for the sport and position the athlete played. “The mouth guard for a quarterback is different from what a tackle needs,” he explains. He was also consulted in the development of a line of over-the-counter guards for amateur athletes.

“It was through sports that I got into forensic dentistry,” says Stechey. Patterns he’d noticed in sports injuries helped him see correlations in domestic abuse cases.

Through lectures and papers he’s taught police, teachers, physicians and nurses how to identify potential abuse cases. He established and served as the first clinical director of a medical-dental clinic for Hamilton’s Children’s Aid Society.

As a result of his wide-ranging expertise in forensic dentistry — he created a search warrant template for collecting

“ It was through sports that I got into forensic dentistry

dental evidence — Stechey was the only Canadian dentist invited to join New York City’s dental identification team to help identify 9/11 victims.

He’s received numerous honours and awards, but is proudest of serving as a clinical instructor at the Faculty of Dentistry and George Brown College, where he helped the next generation of dental professionals realize putting their fingers in other people’s mouths wasn’t all that bad. ■

DEFY GRAVITY

The Faculty of Dentistry is making a powerful difference by enhancing the overall health of vulnerable patients, translating new knowledge, tackling key clinical and policy challenges and preparing tomorrow's dental professionals.

The impact our alumni and friends have on the lives of our students and patients can be transformational. Learn more about our campaign at

dentistry.utoronto.ca/giving



Our patients are 1/3 less likely to have **SOME FORM OF DENTAL INSURANCE** as compared to 64% of the general population

12% of our patients reported having visited an ER with **TOOTH PAIN** in the past year. That's nearly 2 times more than the general population



WHO WE



83% of patients earned **LESS THAN \$50,000 IN 2020** compared with 33% of the general population

55% report earning **LESS THAN \$30,000 A YEAR** compared with 17% of the general Ontario population

58% of our patients aged 18–64 identify as **"WORKING POOR"** with a household income of \$40,000 or less, compared to 10% of the Ontario population

15,000

patients
per
year



1/4 of our patients report that they have sometimes to often **AVOIDED EATING DUE TO PROBLEMS WITH THEIR MOUTH**

Our patients are almost 3 times as likely as other Ontarians to **NOT BE SATISFIED WITH THE APPEARANCE** of their mouth

93,000

patient visits per year

SERVE

In the summer of 2021, graduate student Julie Farmer and DDS2 students Alexandra Negotei, Wenxin Miao, Tania Mahendiran and Alice Lang conducted a survey of the Faculty of Dentistry's patients. By compiling data that compared clinic patients with that of the general population, the team developed a current profile of our patients in terms of demographics, socioeconomic conditions and access to dental care.



Our patients reported a **"POOR STATUS"** of the health of their teeth, gums or mouth **2.5 TIMES MORE OFTEN** in the last year than the general population

Approximately

25%

of our patients are **24 YEARS** of age **OR YOUNGER**

More than 45% of patients report one or more **CHRONIC HEALTH CONDITIONS** such as heart disease, diabetes or high blood pressure

Our patients are 2 times more likely to have **IMMIGRATED TO CANADA** than the general population



Our patients are twice as likely than the general population to have worried about **NOT HAVING ENOUGH FOOD** to eat in the past year

AVOIDED DENTAL VISIT DUE TO COST

60%

U OF T PATIENTS

20%

GENERAL POPULATION

Population Sources: Statistics Canada, Canadian Community Health Survey, 2018

DEFY GRAVITY



The Faculty's new medical device reprocessing facility

Photo: Jeff Comber

HOW YOU WILL DEFY GRAVITY

Dentistry alumni and friends are integral to the new University-wide fundraising campaign

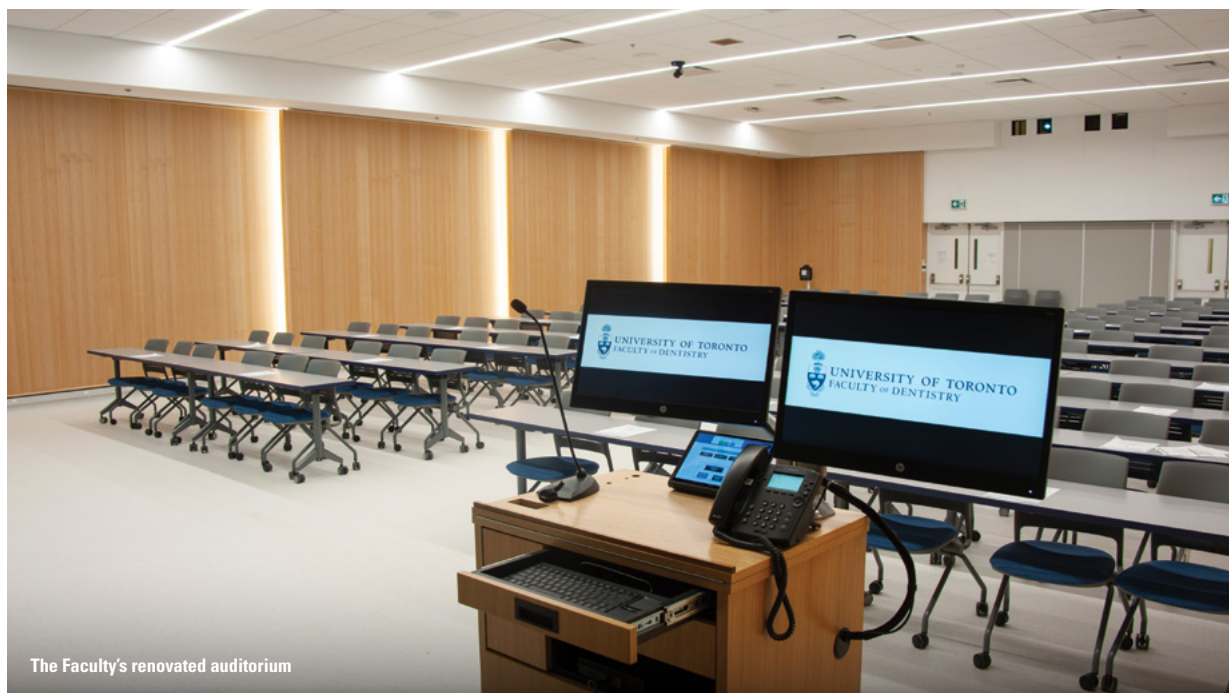
Late last fall, the University of Toronto launched the most ambitious university fundraising campaign in Canadian history. The Defy Gravity campaign, through the support of our worldwide alumni and friends community, will strengthen the University's efforts to address the biggest challenges of our time.

The campaign aims to raise \$4 billion for the University's highest priorities and to inspire 225,000 alumni to engage with the University as volunteers, mentors, donors, participants and leaders.

The Faculty of Dentistry, as part of the Defy Gravity campaign, has articulated its own exciting fundraising initiatives. Among the key priorities for the Faculty are

research, student financial aid, student outreach and experiential learning. They also include revitalization of our spaces, including the creation of the satellite clinic at 777 Bay St., the pre-clinical simulation lab and the auditorium. The largest project our school will undertake will be the updating of Clinic 2 at 124 Edward St., which will transform the Faculty experience for all those who pass through its doors.

As part of the infrastructure support priority, the Faculty has set up a fund in honour of Daniel Haas, who will be completing his second term as dean in June. To kick off the fund, an anonymous donor has generously given \$200,000.



The Faculty's renovated auditorium

"I want to do something meaningful to commemorate the dean's leadership and at the same time, do something that would help ensure the future success of the Faculty during the Defy Gravity campaign," says the donor.

"Our students are the dentists of the future, and we are tasked with educating them in the science and art of dentistry. We do this in a dental hospital and research institute. We have great needs for revitalized clinic and teaching spaces so our students can have the best educational experiences," notes the donor. "I am grateful to the central administration at U of T for supporting our Faculty. Now, it's really important that we, the U of T dental community of alumni, Faculty members, instructors and friends, step up as donors to show our support."

In 2018, thanks to the dean's leadership and the efforts of many at the Faculty and the wider university, and with significant government support, the Faculty opened its doors to renovated and updated research facilities housed on the top two floors of the school. This new space has allowed for greater collaboration and discoveries to take shape and support the learning of all our students.

The donor notes the Faculty's new satellite clinic as an example of how the Faculty has moved forward to provide modernized spaces for teaching, learning and patient care.

"My hope for the dean's campaign and the wider Defy

Gravity campaign is that we garner the kind of funding required for us to flourish," the donor says. "I hope we can mobilize ourselves to help the Faculty continually improve as we train dentists of the next century."

There are many ways to get involved in supporting the Defy Gravity campaign. "The magic of a campaign is that it brings into focus the most urgent needs of the Faculty and asks for partnership from its most loyal, caring community members," says Selina Esteves, director of alumni and advancement.

"Campaigns bring together those who care about what the school does and stands for and those who want to see it retain its reputation for excellence and prepare it for the future."

"The dean's campaign is focused on one of the highest priorities of the campaign for Dentistry — infrastructure that can support the undergraduate experience," says Esteves. There are several ways to

get involved, and many opportunities for engagement and recognition: from naming a fund to supporting a needy student to naming an operator at the Faculty. "Every gift is important, no matter the size, to our collective success."

To find out more about all the ways to get involved in the Defy Gravity campaign, read more at defygravitycampaign.utoronto.ca. To offer support for any of the Faculty of Dentistry's priority areas, contact Selina Esteves at selina.esteves@dentistry.utoronto.ca or (416) 580-2802. ■

“I hope we can mobilize ourselves to help the Faculty continually improve as we train dentists of the next century

DEFY GRAVITY

Together, we can
rise to any
challenge.

We have the opportunity
to meaningfully transform
the future of dental education,
oral healthcare research and
patient outcomes during the new

Defy Gravity Campaign
at the Faculty of Dentistry.

We need you,
our community of supporters,
to help shape what
the next 147 years at U of T
Dentistry will look like.

Please consider how you can
get involved in Defy Gravity
and be part of building a
brighter future
for U of T Dentistry.

Learn more:

dentistry.utoronto.ca/giving



UNIVERSITY OF TORONTO
FACULTY OF DENTISTRY



WE REMEMBER...

MARET TRUUVERT 5T6, 7T0 DIP PAEDO



Maret Truuvert died last fall at 92. She escaped Estonia as a teen and studied dentistry at Stockholm University. She moved to Canada, completed her DDS at the Faculty and became one of the first women to study pediatric dentistry at U of T. She set up a family dental practice in her home, then in a clinic in Toronto. Truuvert served as an assistant professor at the Faculty and received the Alumni of Distinction Award in 1999. She was a member of the International College of Dentists and an honorary member of the Canadian Academy of Pediatric Dentistry. She was awarded the Red Cross Medal of Estonia.

JAMES MAIN



Professor emeritus James Main died in December 2021. He immigrated to Canada in 1969 and joined the Faculty. A year later he became director of the postgraduate training

program in oral pathology. In 1971, he became the first chief of the Department of Dentistry at Sunnybrook Health Sciences Centre, a position he held until 2003. From 1981 to 1983, he served as president of the Royal College of Dentists of Canada.

ISRAEL KLEINBERG 5T2



Oral biologist Israel Kleinberg died last November at age 91. He attended U of T Dentistry and completed his PhD in the U.K. He was a founding faculty member of the Stony Brook University School of Dental Medicine, and established its Department of Oral Biology and Pathology. During his 45 years at Stony Brook he did groundbreaking research on the oral microbiome. Kleinberg received the William J. Gies Award for Vision, Innovation and Achievement and was named a fellow by the National Academy of Inventors.

GUNDEGA KRAVIS-KAUFMANIS 5T6



Gundega Kravis-Kaufmanis died last October. She was born in Latvia and lived as a refugee in Sweden before moving to Canada. Two years after her arrival, she joined the DDS class of 1956 as just one of three women. Along with having a long career as a dentist in Ottawa, she served as executive director of the National Dental Examining Board of Canada from 1973 to 1994.

MALCOLM YASNY 5T2, 5T4 MSC D



Malcolm Yasny died in December. He graduated in 1952 and went on to study orthodontics and set up a practice in Toronto for nearly 50 years. In 1963, he helped establish an orthodontics clinic at Mount Sinai Hospital, donating his time there until 1991 and retiring as head of the Division of Orthodontics. He worked as a sessional instructor at U of T Dentistry and then served as director of alumni affairs and continuing education. He was president of the Ontario Association of Orthodontists, the Canadian Association of Orthodontists, and the Royal College of Dental Surgeons of Ontario.

RONALD LANDSBERG 5T4, 5T6 MSC D



Orthodontist and educator Ronald Landsberg died in January. He studied at U of T Dentistry and worked as an orthodontist in Toronto. Landsberg served as a clinical instructor in the graduate orthodontic clinic at the Faculty from 1957 until his retirement in 2011.

WE MOURN THE LOSS

John Bimm 5T7, 6T0 Dip Ortho
Murray Buchman 4T6
Alan Chapple 5T1, 6T0 Dip Perio
James Cummins 6T5
Robert Drew-Brook 5T6
William Dutka 6T1
Roderick Freeman 4T6
Ross Good 6T5
Graham Hall 7T9
Allan Hawryluk 7T3
Robert Hodges 6T2
Tatsuo Hori 5T5
Wilfrid Jarjour 5T3
Ruth Little 5T4 Dip DN
James Loucks 5T7
Donald MacLennan 5T8
David McDowell 6T6
Donald McInnes 5T7
Edward McLean 6T5
Peter Peloso 5T6, 6T1 Dip Ortho
Donna Renaud 5T4 Dip DN
Edward Rybak 6T4
George Sugiyama 6T4
Francis Tropea 4T5

AS DENTISTRY FACES UNPRECEDENTED CHALLENGES, WE NEED YOUR SUPPORT MORE THAN EVER.

Since COVID-19 hit, our profession has faced unprecedented challenges. Many of you had to rapidly adapt by closing private practices and then safely reopen.

The University of Toronto dentistry clinics faced similar challenges. Even prior to COVID-19, our clinics needed critical upgrades for future dentists to hone their skills and provide affordable dental care for some 15,000 patients a year. Today the need for these upgrades is urgent.

By making a gift to the Clinic Fund, you can support tomorrow's dental professionals and the communities they serve by ensuring our facilities match the Faculty's global reputation for excellence, innovation, and patient care.

To make a gift, please visit
dentistry.utoronto.ca or contact
alumni@dentistry.utoronto.ca



UNIVERSITY OF TORONTO
FACULTY OF DENTISTRY



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