

# 2020 Dean's Report



**HARVARD**  
School of Dental Medicine

**THE PAST YEAR  
HAS BEEN  
UNLIKE ANY  
OTHER IN DENTAL  
EDUCATION.**



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## It's been an honor and privilege to join Harvard School of Dental Medicine as the School's new dean.

While coming on board in the midst of a pandemic comes with a host of unique challenges, I am proud of how our community has adapted to meet these challenges, and I'm truly excited about the future for HSDM.

This report reflects the past fiscal year (FY20) before I joined HSDM, and I'd like to recognize Dr. Vicki Rosen's role in the accomplishments illustrated in it. Vicki graciously agreed to serve as the School's interim dean beginning last January through the end of August 2020. When agreeing to take on this role, she had no idea what would lie ahead—a global pandemic would upend teaching, research, and patient care as we know it, just months into her assignment. Vicki led the School through some of the darkest days, leading with compassion and strength. I am thankful for her steady hand and guidance.

The past year has been unlike any other in dental education. We've confronted great challenges in clinical care and dental education, all against a backdrop of economic hardship and social injustice in our country. Despite these challenges, we have adapted to new learning models, persevered in research and discovery, and ramped up clinical care safely and effectively, while our workforce has productively worked remotely juggling Zoom meetings and home life. You will see our community's ingenuity, resilience, and contributions to public health highlighted in this report.

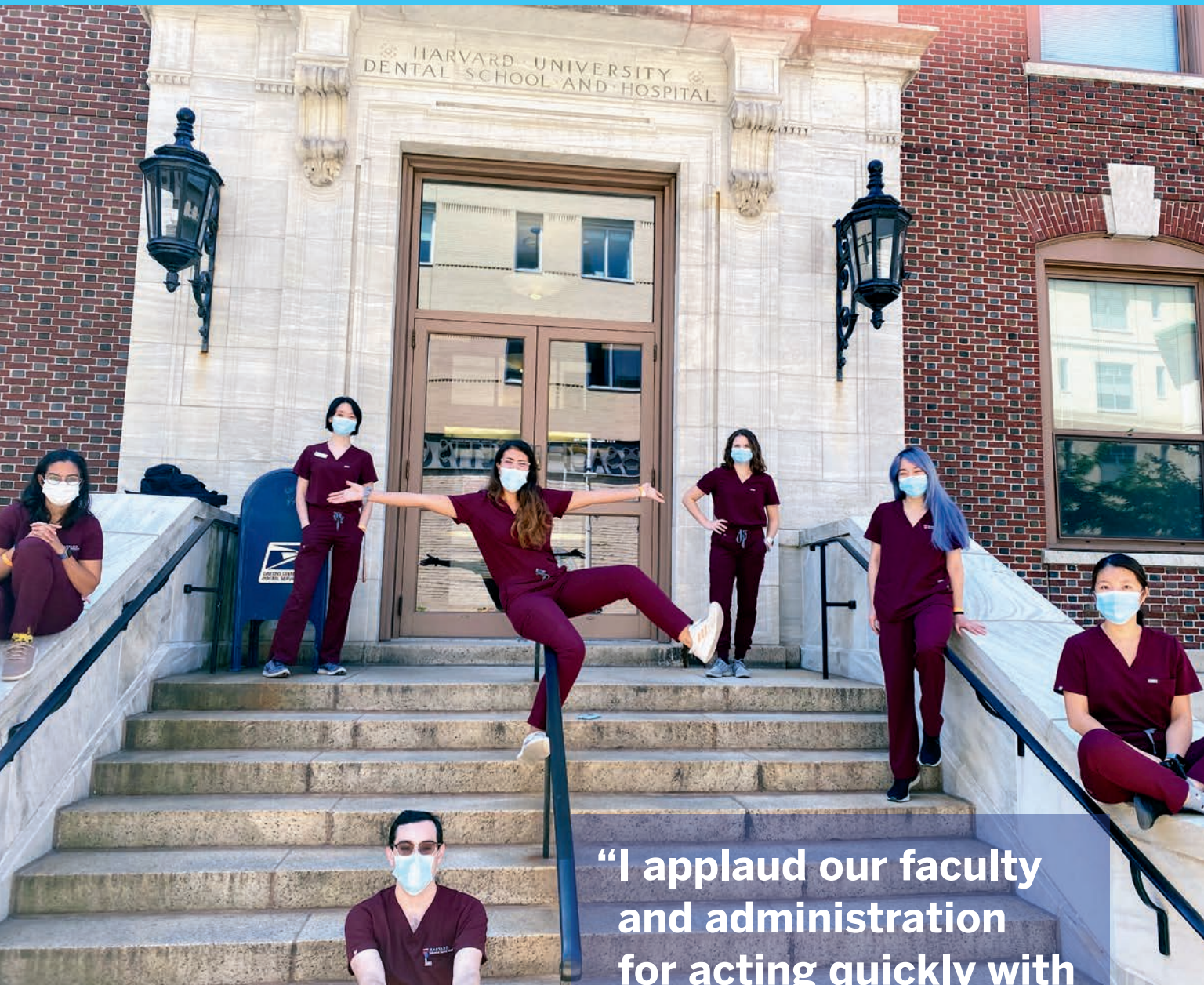
The new year promises to bring new hope—hope of a widespread vaccination effort that could lead to us resuming “normal” life and activities. We have many exciting opportunities ahead. We look forward to expanding our clinical practices, increasing scholarship funding for our talented students, and making new discoveries in our research labs. I'm encouraged by the progress already underway and look forward to sharing more with you soon.

Thank you to our dedicated alumni, friends, and colleagues for your steadfast support of HSDM.

A handwritten signature in black ink, reading "William V. Giannobile". The signature is fluid and cursive.

**William V. Giannobile, DMSc96, PD96**  
**Dean**

# EDUCATION



**“I applaud our faculty and administration for acting quickly with students and patients at the forefront of their decision-making.”**

– Richard Shen, DMD22

# LESSONS LEARNED IN A PANDEMIC

## IN EARLY MARCH 2020,

Harvard University and Harvard School of Dental Medicine began closely monitoring the coronavirus (COVID-19) outbreak. As the situation changed rapidly with cases rising steeply in Massachusetts, the top priority remained the health, safety, and well-being of students, faculty, and staff, on and off campus.

The School began working on several contingency scenarios and taking decisive, informed action to limit the spread of COVID-19 while ensuring the continuity of teaching, research, and patient care. These efforts involved rapidly moving to virtual learning, ramping down research labs, limiting patient care, and moving to a remote workforce.

As all Harvard students were asked to move off-campus, instructors had to quickly redesign courses to move class online. For HSDM, this meant deferring practical sessions until students could have access to facilities where they could take radiographs

and intra-oral photographs and practice oral exam techniques. Regular meetings and advising turned virtual with online sessions and small tutorials on Zoom and FaceTime, and faculty took creative approaches to teaching their courses.

Despite these challenges, by June the graduating class of 2020 finished their requirements on time for graduation despite having two fewer months of clinical time. Having completed their board and licensing exams just a few weeks prior, they would go on to celebrate their graduation in virtual ceremonies held for

University Commencement and Class Day with their HMS classmates.

By early July, third- and fourth-year predoctoral students, as well as advanced graduate students, returned to campus. While they still take some courses online, they are divided into small groups when at the School to observe social distancing within the preclinical lab space and other on-campus spaces. Advanced graduate education students have also returned to work in the clinic, which has implemented enhanced safety protocols.





## Class of 2020 Postgraduate Plans



## DMD Class of 2023

In August 2019, Harvard School of Dental Medicine (HSDM) welcomed 35 new DMD (Doctor of Dental Medicine) students to campus. The Class of 2023 hails from 19 different states and from 29 different colleges/universities. The class composition is 71 percent female and 29 percent male. Fourteen percent come from populations underrepresented in medicine.

**958**  
APPLICATIONS

**35**  
ENROLLEES

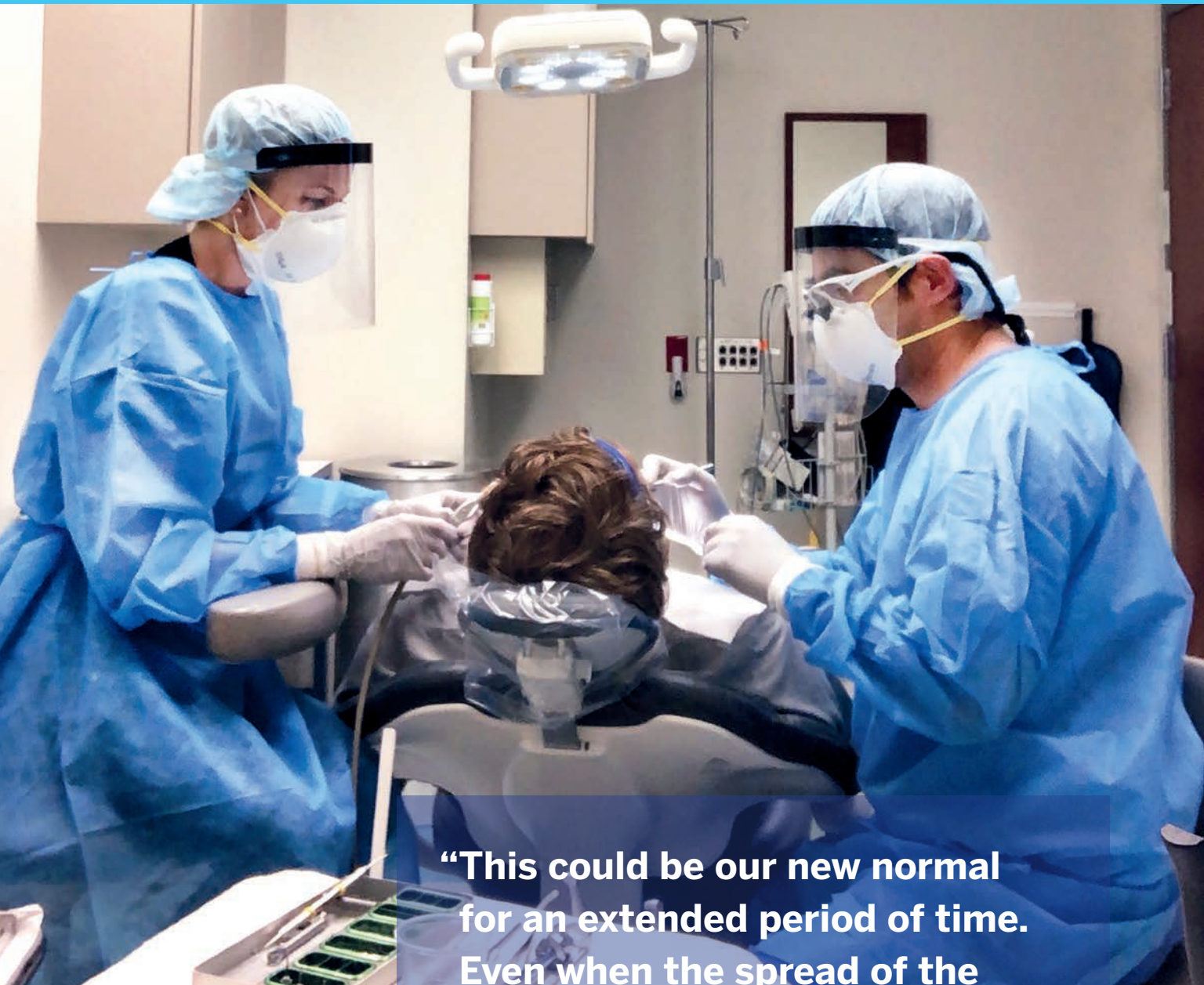
**3.89**  
AVERAGE GPA

“

**For all the uncertainty that has defined my final chapter at HSDM, I find myself – now more than ever – overwhelmingly grateful. Grateful for family who never wavered in their support of this dream, for peers and mentors who shaped my approach to care, and for patients who made it all worthwhile.”**

**– Stacey B. Rogers, DMD20**

# CLINICAL CARE



**“This could be our new normal for an extended period of time. Even when the spread of the coronavirus is under control, we will have to learn how to practice with this disease among us.”**

– Jennifer Gibbs, assistant professor and director of the Division of Endodontics

# PROVIDING CARE IN A CRISIS

**IN MID-MARCH**, the Harvard Dental Center (HDC) halted all clinical services except dental emergencies for existing patients. The number of faculty, staff, and students handling emergency services was cut back, with very few students assigned to the ER. This dramatically reduced the clinic caseload, which went from seeing 200 patients a day to just five for urgent care.

The scale-back was aimed at protecting students, faculty, and staff from exposure, while keeping emergency dental treatment going to ease the expected strain on hospitals and the healthcare system in the coming weeks.

“The best way the dental community can help mitigate

this global health crisis is by keeping a minimal service for urgent dental care. We should take care of our own emergencies without adding additional stress to the soon-to-be overloaded health system by being available for the ones who really need us,” said German Gallucci, Raymond J. and Elva Pomfret Nagle Associate Professor and Chair of Restorative Dentistry and Biomaterials Sciences and executive director of the HDC.

The Center also began seeing patients virtually through on-call/offsite tele-dentistry staffed by faculty and advanced graduate education students.

As the spread of the virus began to ease in Massachusetts by early summer, the HDC began

to expand clinical services in accordance with Massachusetts state reopening guidelines. Enhanced safety protocols recommended by the Centers for Disease Control and Prevention and the American Dental Association infection control practices were put into place, as well as pre-screenings and temperature checks in advance of onsite appointments to ensure the safety and wellbeing of both patients and providers. Advanced graduate education students and third- and fourth-year students returned to clinical activities as well.

# UP TO THE TEST

**HARVARD UNIVERSITY TESTING PROTOCOLS** included weekly COVID-19 testing for all faculty, students, and staff remaining on campus. Dental assistants from the HDC pitched in to help Harvard University Health Services with COVID-19 testing on campus. Karen Lauzon, Sandra Abrego, and Regine Michel are just a few of the dental assistants who helped ensure that members of the Harvard community were able to return safely to campus.



# Protecting Our Community

Enhanced Personal Protective Equipment  
purchased in the last six months



**989,000**  
GLOVES



**141,750**  
CLINICAL FACE  
MASKS



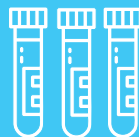
**6,400**  
FACE SHIELDS



**53,790**  
N95 FACE MASKS



**29**  
SNORKEL UNITS



**6,896**  
COVID TESTS

# RESEARCH



**“I’m thrilled to receive these awards. It will give me the independence and creativity I’ve dreamed of to be at the bench working on good science.”**

– Francesca Gori, assistant professor, Oral Medicine, Infection and Immunity

# UNDERSTANDING DISEASES ASSOCIATED WITH BONE FRAGILITY AND REGENERATION

## HSDM'S RESEARCH STRENGTH

in the areas of skeletal biology and the pathology of bones has led to increased funding and recognition. One example of this is the work of Dr. Francesca Gori, assistant professor of Oral Medicine, Infection and Immunity, who this year was awarded an R56 National Institutes of Health (NIH) Award, as well as the William F. Milton Fund Award from Harvard University's Office of the Provost to fund two studies that may lead to insights in human diseases associated with bone fragility, healing, and regeneration.

Dr. Gori has a longstanding interest in studying the cellular and molecular pathways underlying cell fate and differentiation. Her research focuses on the identification and characterization of genes that regulate bone development and homeostasis as potential therapeutic targets.

Gori earned her PhD in biology from the University of Florence, Italy. She came to HSDM after stints at the Mayo Clinic

and Massachusetts General Hospital where she was a researcher in the Endocrine Unit. Her work in the Baron-Gori Lab has focused on investigating the molecular, cellular, and genetic basis of skeletal homeostasis and its regulation in health and disease with emphasis on the mechanisms by which Wnt signaling regulates bone homeostasis. Dr. Gori identified a novel gene, *Wdr5*, which is a critical component of a complex required for chromatin modifications associated with activation of gene expression and has a crucial role in chondrocyte and osteoblast differentiation.

In her NIH study, "Biology of Cortical Bone of Long Bones and Calvarium: Role of *Sfrp4* in the Local Regulation of Wnt Signaling," she will explore the periosteum and endosteum biology and the way in which these two surfaces communicate, possibly through the osteocytes. These studies will provide novel insights into the biology of the periosteal and endosteal surfaces of the cortex and the mechanism(s)

underlying cortical homeostasis. This will be translatable to human diseases associated with bone fragility and other endocrine or skeletal abnormalities and may lead to development of novel therapies to treat low cortical bone mass associated disorders.

In the project, "Biology of Cortical Bone: Role of *Sfrp4* in the Local Regulation of Periosteal Stem Cells and Osteoprogenitors," funded by the William F. Milton Fund, she hopes to gain a greater understanding of the mechanism underlying cortical biology and, therefore, human diseases associated with cortical bone fragility, bone healing, and regeneration.

Dr. Gori also serves as program director for the HSDM Forsyth Research Academy, and director of predoctoral research at HSDM.

# PRESIDENTIAL SCHOLARS ADVANCE RESEARCH, TEACHING, AND ORAL HEALTH

**EIGHT HSDM ADVANCED GRADUATE EDUCATION STUDENTS** were awarded Harvard Presidential Scholarships for the 2019-20 academic year. The full-tuition scholarship is awarded to DMSc students who have committed themselves to careers in public service or academia. This year's accomplished recipients' academic interests range from pursuing clinical and basic science research, to teaching and mentoring students, to furthering oral health policy and information systems.

Students apply in their first year and receive the scholarship for years two, three, and four. They "pay back" the scholarship by working in public service or

academia full-time for as many years as they received the scholarship.

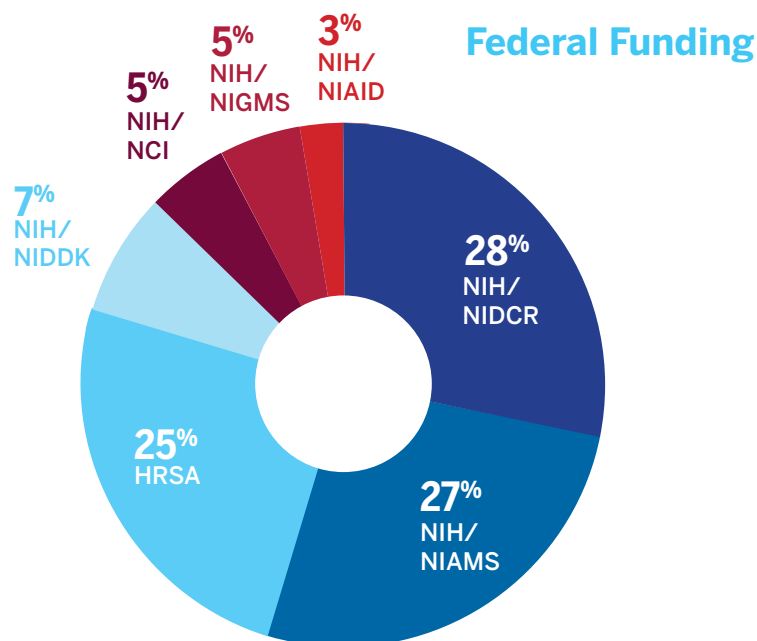
HSDM's Presidential Scholars include **Dr. Chiho Ahn** in the Periodontology program, who is working in the Baron/Gori Lab investigating the role of Sfrp4, a Wnt signaling inhibitor in bone repair and regeneration; **Dr. Wonwoo Jang**, in the Periodontology program, who worked in the Nagai Lab investigating the establishment of biomimetic soft tissue integration to zirconium surface coated with platelet-activating peptide; **Dr. Yu-Chun Lin**, in the Prosthodontics program, who is working in the Bidlack-Pugach Lab at the Forsyth Institute investigating enamel

development at different stages in developing mice ameloblasts; **Dr. Jevae L. Nelson**, in the Dental Public Health (DPH) program, who focused on using national data to deepen her understanding of fluoride and its impact on population health; **Dr. Bunmi Tokede**, in the Orthodontics program, who is conducting a clinical trial on the first-ever fully customized and 3D-printed orthodontic bracket system; **Dr. Diana Wang**, in the Oral and Maxillofacial Pathology program, who is working in the Murphy/Lian Lab at Brigham and Women's Hospital (BWH) exploring early re-epithelialization and TET-mediated 5-hydroxymethylcytosine epigenetic regulation in oral mucosal wound healing; **Dr. Fan Yang**, in the Periodontology program, who focused on synthesizing biodegradable nanoparticles for drug delivery to treat bacterial infections; and **Dr. Anna Yi**, in the Prosthodontics program, who is working in MIT's Han Lab and with Dr. Sang Lee to investigate novel technologies and products involving electrokinetic flow assisted dentin disinfection.

**Drs. Anna Yi, Yu-Chun Lin, Jevae L. Nelson, and Chiho Ahn were among the Presidential Scholars in attendance at a reception hosted by President Larry Bacow in November 2019.**



# RESEARCH FUNDING FY20



● **\$2,159,522** - National Institutes of Health (NIH)/ National Institute of Dental and Craniofacial Research (NIDCR)

● **\$1,971,418** - NIH/ National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

● **\$1,844,581** - Health Resources and Services Administration (HRSA)

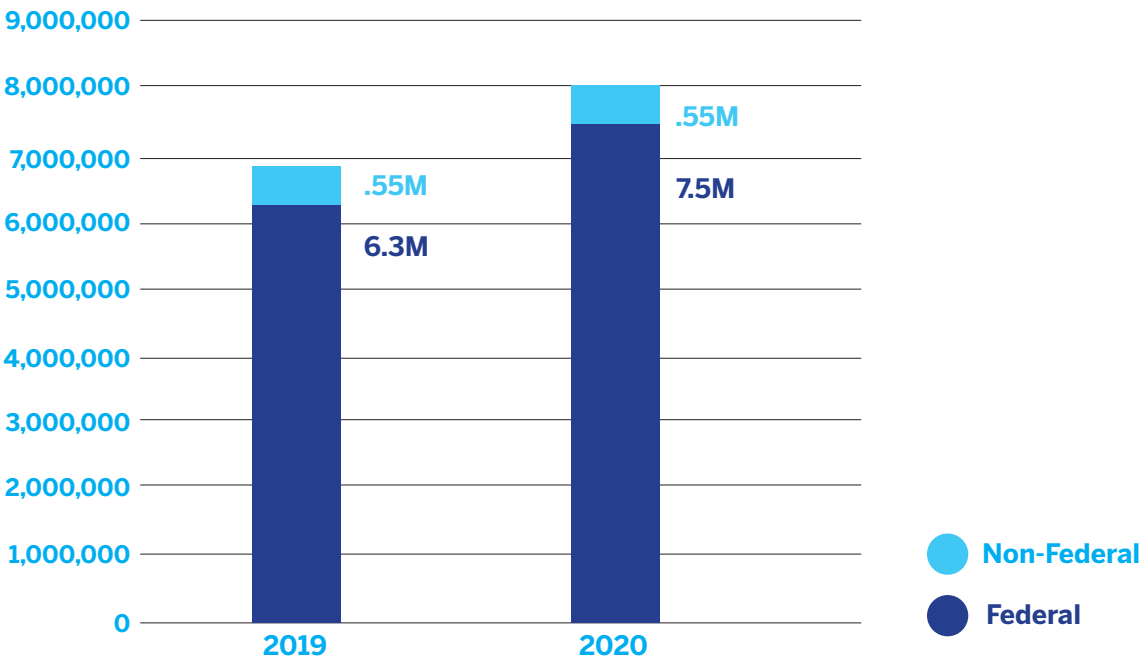
● **\$552,366** - NIH/National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

● **\$376,098** - NIH/National Cancer Institute (NCI)

● **\$355,950** - NIH/National Institute of General Medical Sciences (NIGMS)

● **\$211,875** - NIH/National Institute of Allergy and Infectious Diseases (NIAID)

## FY19 + FY20 Funding



## Non-Federal Funding

<b>\$187,801</b> - Radius Health, Inc.	<b>\$17,385</b> - University of Oviedo
<b>\$184,724</b> - Ministry of Health, Rwanda	<b>\$11,418</b> - ADA Health Foundation
<b>\$54,663</b> - University of Pennsylvania	<b>\$8,000</b> - Greater New York Academy of Prosthodontics
<b>\$50,028</b> - University of Medicine and Pharmacy at Ho Chi Minh City	<b>\$5,308</b> - American Dental Education Association
<b>\$31,020</b> - Harvard Stem Cell Institute	<b>\$1,500</b> - ADEAGies Foundation

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# 19%

**increase in  
federal research  
funding from  
FY19 to FY20**

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# STUDENT LIFE + LEARNING



**“We saw a need for our generation to have access to modern videos and technology, while learning and developing their clinical skills in dental school.”**

– Leela Breitman, DMD21

# STUDENT ENTREPRENEURS FIND KEY TO SUCCESS

## FOR MOST HSDM STUDENTS,

juggling class, clinic time, and research can be hectic enough. Students Leela Breitman, DMD21, Jennifer Lee, DMD21, Emily Van Doren, DMD22, Karen He, DMD21, and Alice Li, DMD23, decided to launch a new business concept amidst their busy schedules. Their concept—to create an online platform to provide student-focused video demonstrations, illustrations, and step-by-step best-practice instructions for basic dental procedures—became even more timely as learning moved online in the pandemic.

“Today’s students use YouTube and Google for everything. We realized we could make dentistry more applicable to the modern learner. We saw a need for our generation to have access to modern videos and technology, while learning and developing their clinical skills in dental school,” Breitman said.

The “My Dental Key” team was initially awarded a grant from the American Dental Education Association as well as three grants from Operation Impact, an organization funded by the Harvard Initiative for Learning and Teaching that supports budding

entrepreneurs in education. They found additional support and mentorship through the Harvard Innovation Lab (i-lab) and were semi-finalists in the University’s 2020 President’s Innovation Challenge. They continue to build the My Dental Key platform and recently launched an Operative Curriculum that includes 19 videos on operative dental procedures, as well as step-by-step instructions, photos, illustrations, common mistakes, basic terminology, and instruments and materials geared to help dental students in the preclinical and clinical setting.

Postdoctoral students have also found success pursuing entrepreneurial ideas at the i-lab. Alex Jelich, DMD17, MMSc20, and his teammates from Harvard and MIT were inspired to create Overjet, a concept that uses artificial intelligence to analyze clinical dental data with the goal of improving patient care and increasing profitability. Overjet uses computer vision algorithms to identify oral anatomy and diseases from dental x-rays and other patient records to determine the correct treatments for each patient.

“Through my clinical experience during dental school and residency, I grew to appreciate the vast amount of information that a dentist needs to process in order to adequately diagnose and treatment plan a dental case,” Jelich said. “I wondered to myself if there might be a way to use technology to aid dentists in detecting needed treatments and standardize the delivery of dental care. By collaborating with amazing dentists and engineers from Harvard and surrounding universities, we were able to develop artificial intelligence capable of achieving this goal,” he added.

In June, Jelich graduated from the Prosthodontics program, and at the same time Overjet raised \$7.85 million in startup funding.



Alex Jelich, DMD17, MMSc20

## ALUMNI + GIVING



**“Bruce Donoff really opened my eyes to the challenges that providers face.”**

– Gerard Moufflet

# NEW SCHOLARSHIP HONORS FORMER DEAN'S LEGACY

**WHEN BRUCE DONOFF STEPPED DOWN** after serving 28 years as HSDM's dean, alumni and friends generously raised \$1 million to create the Donoff Scholars DMD Scholarship in his honor. The scholarship will support future generations of HSDM predoctoral students who are seeking innovative careers in dentistry by pursuing a second Harvard graduate degree.

"I fervently believe that we need to create champions for medical-dental integration, public health thinking, and moving from fee-for-service to value-based care. This fund will enable the career goals of DMD students for transformational change in our profession," said Donoff.

Fundraising efforts for the scholarship were spearheaded by Gerard Moufflet, a friend and colleague of Donoff who served as chair of the Dean's Advisory Board (DAB) for nearly 12 years.

"I learned a lot from Dr. Bruce Donoff, who really became a mentor to me in the oral health care space. I had not been involved at all in dentistry from a professional standpoint and he really opened my eyes to the challenges that providers face. I am extremely appreciative to Dr. Donoff for everything he has taught me," said Moufflet.

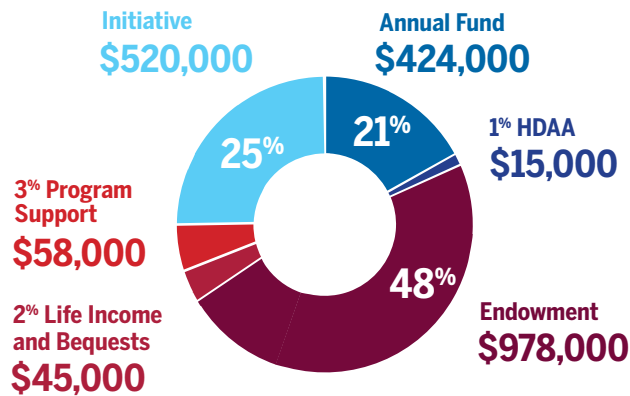
"The goal of this scholarship is to break down the barriers in education and make the public more aware of the importance of overall health. I think this

scholarship will enable dental students to grow beyond oral care and view the world from a broader perspective," he added.

The Donoff Scholar DMD Scholarship will be eligible to students fitting the criteria in the next academic year.

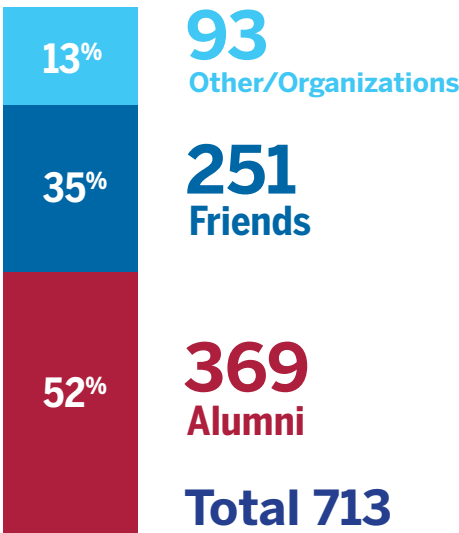


## Funds Raised in FY20



**Total \$2,040,000**

## Gifts by Donor Type



**Total 713**

## STUDENT EMERGENCY AID FUND



### A FUND TO HELP STUDENTS

struggling with unanticipated or emergency financial situations as a result of the COVID-19 pandemic was established by Dean William Giannobile and his wife, Dr. Angela Giannobile. It is designed to provide temporary, short-term financial assistance to students enrolled at HSDM.

“I understand the financial burden the pandemic has caused for many of our students. Several have had to uproot their lives, and perhaps have even questioned the expense of their education when bills are mounting for them and their families. As a

first-generation college student who benefited from scholarship support, I appreciate these crucial concerns. We decided to launch the Student Emergency Aid Fund campaign to provide additional support for those facing the most immediate financial need,” said Dean Giannobile.

Students who apply for emergency funding must demonstrate financial need or show financial hardship due to the pandemic and are not required to repay awards from the fund.

“

**Offering tuition assistance in the form of scholarships and grant support needs to be a priority to continue to attract the very best and brightest to HSDM and reduce debt and stress for our students.”**

**– Dean William Giannobile, DMSc96, PD96**

# GLOBAL + COMMUNITY HEALTH



**“One of the most important and toughest aspects of public health decision-making is balancing the risks and benefits while working with high levels of uncertainty.”**

– Brittany Seymour, MPH11, associate professor of Oral Health Policy and Epidemiology

# PUTTING PUBLIC HEALTH FIRST

## FROM THE EARLIEST DAYS OF THE PANDEMIC,

HSDM faculty spearheaded efforts to share important public health information, debunk misinformation, and engage the dental community in conversations about providing patient care safely and effectively during COVID-19.

“One of the most important and toughest aspects of public health decision-making is balancing the risks and benefits while working with high levels of uncertainty,” said Dr. Brittany Seymour, associate professor of Oral Health Policy and Epidemiology at HSDM.

Seymour, who has a background in oral and public health, and focuses on

interdisciplinary approaches for health improvement through prevention, policy, and health promotion, answered questions about public health measures such as social distancing, flattening the curve, and contact tracing in a comprehensive online Q&A. She also worked with colleagues at the University of California San Francisco (UCSF) School of Dentistry to provide resources and information on the risks associated with smoking, vaping, and tobacco use and greater susceptibility to COVID-19.

She now serves as principal investigator on “Three Delays—Research Framework for Uncovering Hidden Barriers to Dental Service Utilization in the

COVID-19 Era,” a project funded by the DentaQuest Foundation to uncover and describe persistent and novel systemic deficiencies with dental care utilization in the COVID-19 era along with Drs. Shenam Ticku, instructor in Oral Health Policy and Epidemiology; Christine Riedy, chair and Delta Dental of Massachusetts Associate Professor of Oral Health Policy and Epidemiology; and Jane Barrow, associate dean for Global and Community Health.



HSDM Continuing Professional Education faculty hosted a program in Japan before the pandemic.

## CONTINUING EDUCATION

**BEFORE THE PANDEMIC STRUCK**, HSDM hosted several popular international Continuing Professional Education courses that attracted dentists from around the globe. In October 2019, the Division of Periodontology hosted *Innovative and Effective Team Collaboration in Multidisciplinary Therapy* in Tokyo, Japan, with attendees hailing from South Korea, Taiwan, Japan, and China. In early January, dentists from India and Cambodia came to HSDM to participate in a Continuing Professional Education course entitled *Advanced Education in Implant Dentistry*. Participants learned about advanced topics such as treatment solutions for both partially and fully edentulous patients.

In March, when the pandemic limited international travel, faculty shifted gears to provide numerous courses online.

A free series, *Continuing Professional Education Today*, led by HSDM faculty, offered discussions with dental and other healthcare professionals on navigating the challenges of the pandemic. Courses such as *Remote Orthodontic Care Beyond the Pandemic*, *Oral Medicine and Pathology During the COVID-19 Pandemic*, *Endodontic Emergencies in a State of Emergency*, and *COVID-19 Pandemic and Dental Professionals' Response as Offices Reopen* provided expert advice and resources to the wider dental community.

## EXPANDING RURAL DENTAL CARE

**HARVARD SCHOOL OF DENTAL MEDICINE'S** Department of Oral Health Policy and Epidemiology (OHPE) in collaboration with the Office of Global and Community Health (OGCH) was awarded a \$3 million postdoctoral training grant from the Health Resources and Services Administration (HRSA) Bureau of Health Workforce to address gaps in dental education and access to care in underserved and vulnerable populations in rural areas.

The five-year grant titled *Catalyzing Oral Health Workforce for Rural and Vulnerable Populations* will create the first and only Dental Public Health (DPH) residency in the country with a dedicated rural track. Work will be focused in New Hampshire, a state that faces an aging population and dental workforce shortage similar to many rural areas throughout the U.S. HSDM will partner with the Bi-State Primary Care Association and Dartmouth-Hitchcock Medical Center, New Hampshire's only academic medical center, as well as several rural care delivery sites in New Hampshire.

“

**We are really excited to see our partnership coalesce to secure this award that has the potential to significantly impact access to oral health care and improve oral health outcomes for residents in rural New Hampshire.”**

**— Jane Barrow, associate dean for  
Global and Community Health**

# LEADERSHIP



**“We are so pleased to welcome Will Giannobile, a leader who will help to ensure the School’s continued success as we seek more opportunities to support and expand the work of the University’s diversely talented biomedical community.”**

– Larry Bacow, JD76, MPP76, PHD78, Harvard University President

# NEW LEADER TAKES THE HELM

**IN APRIL 2020**, William V. Giannobile, an educator and leader in the field of periodontology and an internationally recognized scholar in oral regenerative medicine, tissue engineering, and precision medicine, was named the 11th dean of the Harvard School of Dental Medicine. Dean Giannobile assumed the role on September 1, succeeding Dean Bruce Donoff, who stepped down at the end of 2019, and Interim Dean Vicki Rosen, who led the School from January 1 to September 1, 2020.

Giannobile is an alumnus of HSDM, with an advanced degree in periodontology and oral biology (DMSc96, PD96). He completed his postdoctoral training in molecular biology at the Dana-Farber Cancer Institute and HMS, and served as an HSDM faculty member working at the affiliated Forsyth Institute early in his career. Prior to returning to HSDM he was the Najjar Endowed Professor and Chair of the Department of Periodontics and Oral Medicine at the University of Michigan School of Dentistry. “The Harvard School of Dental Medicine is an extraordinary

institution with a remarkable history of advancing research and education in service to humanity,” said Harvard President Larry Bacow. “We are so pleased to welcome Will Giannobile, a leader who will help to ensure the School’s continued success as we seek more opportunities to support and expand the work of the University’s diversely talented biomedical community.” Dean Giannobile brings an exciting new vision to the School to advance the School’s predoctoral and postdoctoral educational programs, transform clinical care, and further enhance HSDM’s reputation as a renowned leader in research and dental education.

“I will work collaboratively with our School and University leadership to support the University’s vision for continued excellence of the dental school as a valued stakeholder in the University’s biomedical research and health care enterprise,” Giannobile said. “HSDM will continue to train the next generation of leadership in dental medicine to advance the field. I hope to continue to make the School the exemplar for dental education and research. Creating an environment where personal and professional success are important for all those in our community will help us work together to promote the advancement of dental education, clinical care, research, and societal impact.”



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# ACADEMIC AND ADMINISTRATIVE DEANS

## DEAN

William V. Giannobile,  
DMSc96, PD96

## VICE DEAN

John D. Da Silva, DMD87,  
MPH87, PD89, PD91,  
Associate Professor of  
Restorative Dentistry and  
Biomaterials Sciences

## DEAN FOR ADMINISTRATION AND FINANCE

Charles Frizzell

## ASSOCIATE DEAN, DENTAL EDUCATION

Sang Park, MMSc01, PD01,  
Associate Professor of  
Restorative Dentistry and  
Biomaterials Sciences

## ASSOCIATE DEAN, BASIC SCIENCE RESEARCH

Malcolm Whitman, PhD,  
Professor of Developmental  
Biology

## ASSOCIATE DEAN, TRANSLATIONAL RESEARCH

Yingzi Yang, PhD, Professor  
of Developmental Biology

## ASSOCIATE DEAN, GLOBAL AND COMMUNITY HEALTH

Jane Barrow, AB84, MS87

## ASSOCIATE DEAN, DEVELOPMENT AND ALUMNI RELATIONS (INTERIM)

Jessica Loew, MBA

# DEPARTMENT CHAIRS

## DEVELOPMENTAL BIOLOGY

Vicki Rosen, PhD, Chair and  
Professor of Developmental  
Biology

## ORAL HEALTH POLICY AND EPIDEMIOLOGY

Christine Ann Riedy Murphy,  
PhD, MPH, Chair and Delta  
Dental Associate Professor  
of Oral Health Policy and  
Epidemiology

## ORAL AND MAXILLOFACIAL SURGERY (INTERIM)

Bonnie Padwa, DMD88,  
MD90, Professor of Oral and  
Maxillofacial Surgery

## ORAL MEDICINE, INFECTION AND IMMUNITY

Roland Baron, DDS, PhD,  
Chair and Professor of Oral  
Medicine, Infection and  
Immunity

## RESTORATIVE DENTISTRY AND BIOMATERIALS SCIENCES

German Gallucci, DMD  
(Dr. Med. Dent.), PhD,  
Raymond J. and Elva Pomfret  
Nagle Associate Professor  
and Chair of Restorative  
Dentistry and Biomaterials  
Sciences



“

**I am extremely grateful to Interim Dean Vicki Rosen and the HSDM leadership team for navigating through some of the toughest parts of the crisis. They took important measures to protect our patients and our community.”**

**— Dean William Giannobile,  
DMSc96, PD96**

# FINANCIAL SUMMARY

## COMPARATIVE FINANCIAL STATEMENT

YEAR ENDED JUNE 30 <sup>TH</sup>	2019	2020
<b>Income Summary</b>		
Student Tuition	\$10,897,164	\$11,298,742
Federal Sponsored Programs	7,428,522	6,228,192
Nonfederal Sponsored Programs	583,917	301,313
Current Use Gifts	1,207,939	993,589
Endowment	9,925,920	10,213,646
Services Income	9,412,238	6,016,175
Other Income	3,478,232	2,918,939
<b>TOTAL INCOME</b>	<b>\$42,933,932</b>	<b>\$37,970,596</b>
<b>Expenses Summary</b>		
Salaries and Wages	\$17,639,041	\$18,029,870
Employee Benefits	6,088,773	6,350,741
Scholarships	129,182	42,716
Supplies and Materials	3,650,183	2,564,957
Space and Occupancy	2,982,190	2,847,750
Interest	731,622	683,685
Depreciation	1,792,094	1,575,566
Services Purchased	3,875,791	3,264,913
Subcontracted Services	400,294	373,328
Other Expenses	4,224,965	3,508,835
<b>TOTAL EXPENSES</b>	<b>\$41,514,135</b>	<b>\$39,242,361</b>



**THANK YOU TO OUR  
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**HARVARD SCHOOL OF  
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