

HARVARD SCHOOL OF DENTAL MEDICINE



2017 DEAN'S REPORT



02

EDUCATION

- National Accreditation
- Making News
- DMD Class of 2020
- By the Numbers
- Advanced Graduate Education
- New Advanced Degree Program

04

STUDENT LIFE & LEARNING

- Second Year Transition
- New Student Space
- Diversity and Inclusion
 - Diversity and Inclusion Fellows

06

CAMPAIGN IMPACT

- Giving Back
 - \$1 Million Gift Inspired by Gratitude
 - Fundraising Progress
 - 150th Anniversary Gift

08

RESEARCH

- Research Highlights
 - Battling Facial Birth Defects Through Science
 - National Cancer Institute Grant
 - Student Research
 - Investigating Osteoarthritis
- Funded Research Projects FY 2016-17

13

CLINICAL CARE

- Patient Focus
 - Harvard Dental Center By the Numbers
 - Faculty Provider Spotlight

15

NATIONAL & GLOBAL OUTREACH

- Leading National Efforts to Integrate Oral Health and Primary Care Training
- International Collaboration

18

LEADERSHIP

- 150 Years of Leadership in Dentistry
- Academic and Administrative Deans
- Department Chairs
- Dean's Advisory Board 2017

20

FINANCIAL SUMMARY

- Comparative Financial Statement

MESSAGE FROM THE DEAN



In 2017, Harvard School of Dental Medicine (HSDM) celebrated a remarkable milestone – its 150th anniversary. It's clear that many of the early ideals the School was founded on continue to reinforce and guide our educational mission to this day. As the first U.S. dental school associated with a university and its medical school, we are guided by the view that oral health is a vital part of overall health. We have produced leaders in dentistry that uphold this vision, and they have gone on to shape dental education at numerous dental schools and programs worldwide.

An assessment by the Commission on Dental Accreditation (CODA) this year reaffirmed our educational strengths. An early report by the accreditation committee supports HSDM's culture and curriculum.

Our educational programs remain strong and competitive. Our DMD students receive unique training in comprehensive patient care and interdisciplinary teamwork that prepares them to be excellent clinicians and collaborators providing the best level of patient care. Our postdoctoral programs also continue to grow and thrive. This year, we launched a new two-year specialty program leading to a MMSc in Dental Education. In the spirit of our mission, the program is designed to train leaders who can drive change to meet advances in dentistry and shape the future of dental education.

In our research, we are leading scientific exploration into therapeutic strategies to treat craniofacial malformations, looking at early signals in liver cancer, and exploring the cause of inflammation in osteoarthritis, among other important projects. Grant projects have also put HSDM in the spotlight as a leader in interdisciplinary training. With funding from the Health Resources and Services Administration, we established a national Center for Integration of Primary Care and Oral Health, which serves as a resource for systems-level research on oral health integration into primary care training.

We also continue to lead efforts to promote oral health on a global level, with ongoing work in support of Rwanda's first dental school and the nation's first ever oral health survey. HSDM students and faculty travel around the globe to pursue research collaborations in Costa Rica, Dubai, Haiti, India, Vietnam and numerous other countries.

Underpinning all of these efforts, are dedicated and generous alumni, donors and friends. This year, their unprecedented support led to the establishment of an endowed student scholarship, as well as unrestricted gifts that will help fund the School's most pressing needs. We have a lot to be proud of and inspired by, as we reflect on our 150-year history and look to the future. Thank you for your dedication to HSDM.

A handwritten signature in black ink that reads "Bruce Donoff". The signature is written in a cursive, flowing style.

Bruce Donoff, DMD67, MD73

Dean and Walter C. Guralnick Distinguished
Professor of Oral and Maxillofacial Surgery



Education

DMD students in the Final Restorative Treatment (FRTx) course.

NATIONAL ACCREDITATION

Making the Grade

The Commission on Dental Accreditation (CODA) reviews and evaluates dental education programs on a seven-year cycle. In FY17, the School's faculty and administration prepared an extensive self-study for the CODA site visit in October 2017.

The areas of focus included

- **Instruction and Curriculum**
- **Biomedical Sciences**
- **Behavioral Sciences**
- **Practice Management and Ethics**
- **Clinical Sciences**
- **Admissions**
- **Facilities and Resources**
- **Student Services and Financial Aid**
- **Health Services**

CODA representatives reviewed the DMD program and advanced education programs, and had the opportunity to meet with students, faculty and staff. The verbal report from the Accreditation Committee supports HSDM's educational efforts, culture, and curriculum. A full report is expected in 2018.

Making News

NPR's *All Things Considered* interviewed HSDM faculty and students for a segment on how the opioid crisis has affected dental education. Drs. Jeffry Shaefer and David Keith, as well as students from the Class of 2019: Joshua Levine and Mindy Truong, and Class of 2018: Gabriel Grisham, Yisi (Daisy) Ji, Samuel Lee, Kellie Moore and Jonathan Shapiro talked with host Robert Seigel about new educational core competencies for pain management.



DMD Class of 2020 by the Numbers

Thirty-five talented students joined the DMD program at the start of the academic year. They were selected from nearly 1,000 applicants and hail from 19 different states.



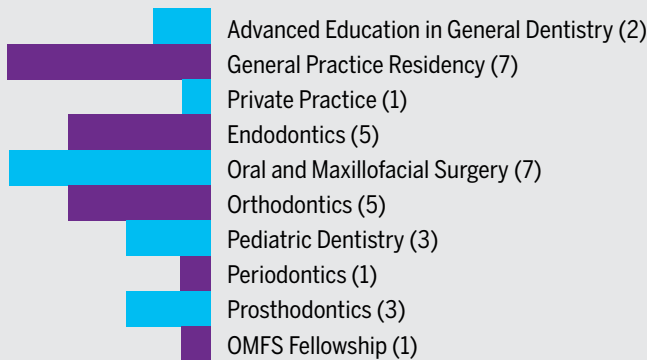
991
APPLICATIONS

5.2%
ADMIT RATE

35
ENROLLEES

3.85
AVERAGE GPA

Class of 2017 Postgrad Plans



ADVANCED GRADUATE EDUCATION

Advanced Graduate Education programs are offered in **16** different specialties and lead to a Doctor of Medical Sciences (DMSc) or Master of Medical Sciences (MMSc) degree and/or a specialty certificate. **Forty** advanced graduate education students entered this year, resulting in a total of **103** advanced graduate education students on campus and at affiliated sites.

NEW ADVANCED DEGREE PROGRAM

Training Dental Leaders

This year, HSDM launched a new two-year specialty program that leads to a MMSc in Dental Education. It is designed to train leaders who can drive change to meet advances in dentistry and shape the future of dental education. The MMSc in Dental Education Program is open to applicants who have completed or are expecting to complete a professional degree such as, but not limited to, DMD/DDS.

The academic program for the MMSc Program in Dental Education is based on related scientific evidence applied to educational quality, educational research, curriculum design, and academic leadership. The objective of this new program is to enable highly motivated individuals with proven scholarship and excellence in research to become strong academic leaders in curriculum design and mentorship of students and faculty.



Class of 2020 on White Coat Day



Student Life & Learning

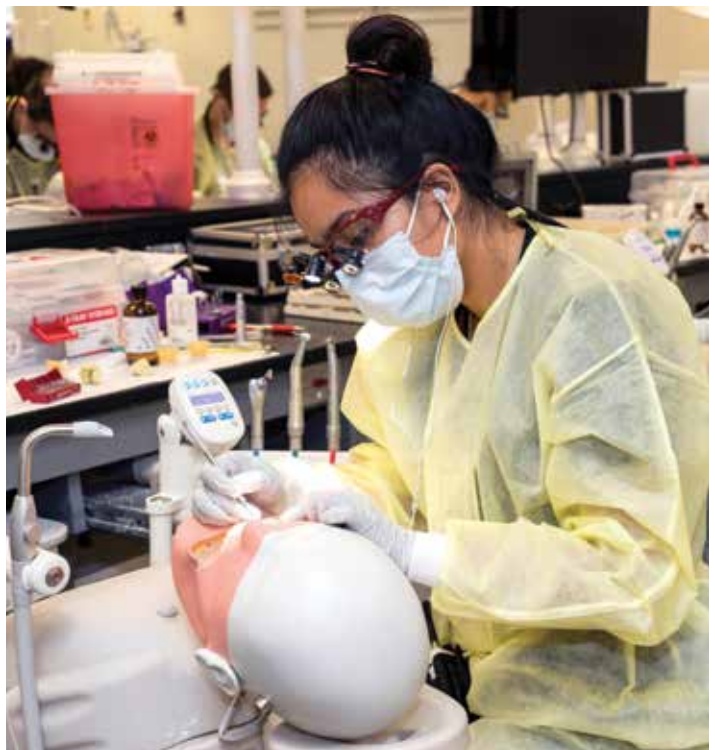
SECOND YEAR TRANSITION

Ensuring Student Success

As second-year DMD students transition from HMS to HSDM, new seminars prepare them for comprehensive patient care and interdisciplinary teamwork. An Interprofessional Education (IPE) Series was introduced this year as part of the second-year curriculum. These sessions aim to help dental students make connections between oral and general health and appreciate the roles of an interprofessional team. The team included dental, medical, nurse practitioner, and public health faculty facilitators.

A new longitudinal program incorporates test case patients into several second-and-third-year courses to better prepare students for their clinical experience. In the Preclinical Simulation Continuum, second-year students were assigned two blank test patients (related to hypertension and diabetes) which allowed them to understand the patient model in AxiUm along with entering chart notes.

During the Give Kids a Smile event, HSDM students provide free dental care to local children.





NEW STUDENT SPACE

Classroom Upgrade

New classroom space was added to support an expanded number of classes, and meet technology and teaching needs. The Root Lounge in the Research and Education Building was designed and outfitted to support the instructional needs of the new curriculum. Equipped with state-of-the-art educational technology, the space can be configured as a flipped classroom, lecture hall, conference room, student/staff lounge, media sharing space, or function room for up to 50 people. Four large electronic displays in the room offer opportunities for sharing and viewing presentations and online resources.

DIVERSITY AND INCLUSION

Promoting an Inclusive Community

Josephine Kim, PhD, joined HSDM in FY17 as director of diversity and inclusion. With a dual faculty appointment in the Department of Oral Health Policy and Epidemiology at HSDM and the Prevention Science and Practice/CAS in Counseling programs at the Harvard Graduate School of Education, Dr. Kim has brought new ideas and energy to the office. Student Diversity and Inclusion Fellows have an active role in planning programming and encouraging School-wide dialogue about diversity issues. Programming has included a series of Diversity Dialogues exploring subjects such as classism, belonging, community activism, culturally sensitive care, stereotypes, and other timely topics. A weekly newsletter "Diversity Roots and Canals," serves as another resource to collectively engage with works that offer multiple perspectives on diversity issues.



Diversity and Inclusion Fellows

Thirteen Fellows from the Class of 2018, 2019, and 2020 were recognized for their outstanding leadership.

Ty Adeseye, 2019
Fiorella Candamo, 2019
Christina Cho, 2019
Jenay Davis, 2018
Vicky Herrera, 2019
Justin Montenegro, 2019
Edirin Sido, 2019

Jeffrey Taylor, 2020
Mindy Truong, 2019
Leonie Waldon, 2018
Chloe Wong, 2018
Leigh Yarborough, 2018
Nancy Zhu, 2020



Donations support student financial aid, lab and clinic supplies, and upgrades to classrooms and technology like the new Root Lounge.



Campaign Impact

GIVING BACK

\$1 Million Gift Inspired by Gratitude

Knowing that a substantial gift could make a big impact for a small school like Harvard School of Dental Medicine, Robert Chuong, DMD77, MD77, PD82, and his wife Elaine Wong, DMD, established a Charitable Lead Annuity Trust in the amount of \$1 million for HSDM. The trust will provide the School with an annual sum for a term of 20 years.

“I feel thankful for the opportunity to go to Harvard.

HSDM was naturally the place to give my gift. I appreciate that the School gave me a great education,”
Chuong said.

Chuong, an oral maxillofacial surgeon now in private practice, and Wong, a public health dentist, were inspired to give an unrestricted gift that would allow the School to fund core operations, or possibly allow students to attend HSDM who may not have had the chance to due to financial limitations.

“Bob and Elaine exemplify the spirit of HSDM’s mission. Bob has made an impact in the lives of countless patients throughout his career. Now his and Elaine’s gift to the School will make a difference in the lives of HSDM students,” Dean Bruce Donoff said.

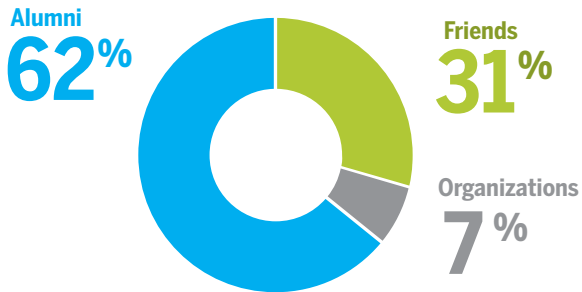
Elaine Wong, DMD, and
Robert Chuong, DMD77,
MD77, PD82



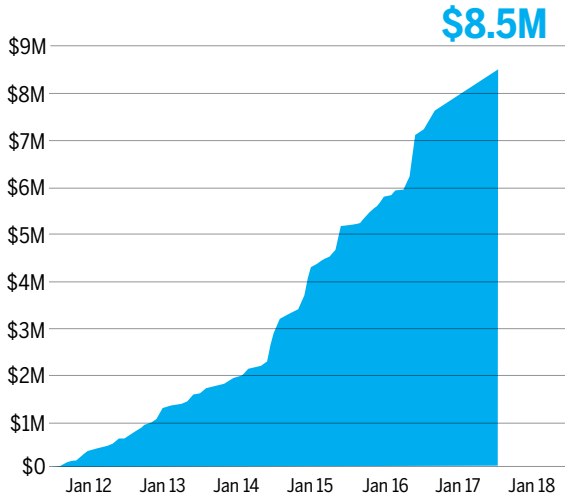
Fundraising Progress

FY17 Gifts by Alumni, Friends, and Organizations

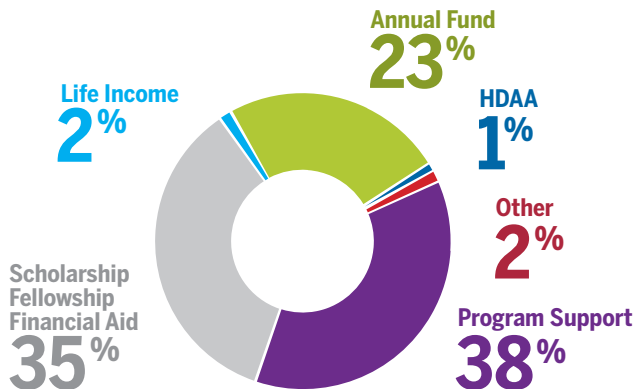
Reflects gifts made by 611 donors



Campaign Progress as of June FY17



FY17 Gift Distribution



150th Anniversary Gift

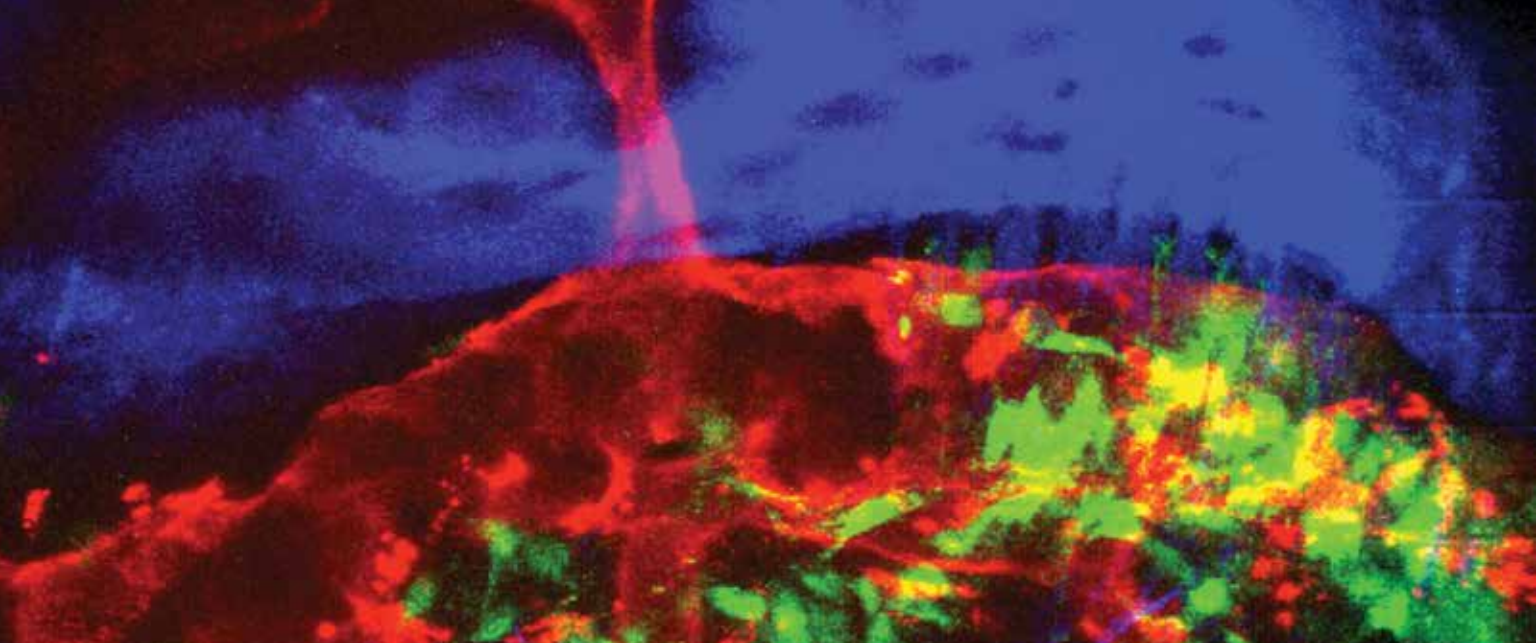
New Scholarship to Support Students

HSDM's 150 Days of Giving campaign, which began on February 17 and culminated on July 17, 2017 (the School's Founding Day) exceeded its goal of reaching 150 gifts within 150 days and secured a \$20,000 matching gift from the Sesquicentennial Committee. More than \$250,000 in total was raised for the endowed scholarship fund, opening a new source of financial assistance for the best and brightest students in need.



“When I graduate, I plan to pursue a pediatric residency, and ultimately practice in a community health setting in my home state . . . **scholarships have not only made this experience possible, but have reduced my debt load that would otherwise make a community health career financially unfeasible.**”

– Kellie Moore, DMD 2018 Candidate



Research

Prx1 expressing cells of the calvarial coronal suture (in green) are shown in proximity to the suture vasculature (in red). Bone is visualized in blue.

RESEARCH HIGHLIGHTS

Battling Facial Birth Defects Through Science

A research finding by Harvard School of Dental Medicine’s Intini Lab could potentially lead to therapies that address craniofacial malformations in children. Craniofacial malformations are deformities that affect a child’s head and facial bones—disorders such as cleft palate, or craniosynostosis that are present at birth.

The Intini Laboratory, led by Dr. Giuseppe Intini assistant professor of Oral Medicine, Infection, and Immunity at HSDM and principal faculty member of the Harvard Stem Cell Institute, studied skeletal

stem cells found in the skull and bones of the head (calvarial bone). As the skull forms to protect the brain, the sutures (or fibrous joints) of the skull remain an active site of bone formation during post-natal development. By studying a post-natal cell population of calvarial bone in mice, Intini’s team learned that skeletal stem cells expressing PRX1 live exclusively in the skull’s suture niches, decrease in number with age, and are a requirement for bone regeneration. Further, they discovered that upon transplantation the cells are able to regenerate bone. Their findings were published in *Stem Cell Reports*. Additional investigation of these cells could lead to novel and more effective therapeutic strategies for treatment of craniofacial malformations.



“We have been able to characterize the role of PRX1 expressing cells during post-natal life. **Harnessing these cells for better regenerative therapies in humans is a challenge that lies in front of us. In collaboration with the surgeons at Boston Children’s Hospital we are ready to tackle it.**”

– Dr. Giuseppe Intini

National Cancer Institute Grant

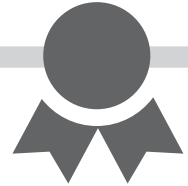
Dr. Intini was also awarded an NIH/ National Cancer Institute grant to identify the role of cancer stem cells in osteosarcoma development and metastasis. Osteosarcoma (OS) is the most common non-hematological malignant primary tumor in bone, mainly diffused in children and often very aggressive. Intini and his research team will explore the cellular architecture of OS, describing the location of various fluorescent cell populations within the neoplastic tissue, and the role these cell populations may have in OS recurrence.



Student Research

Student Research Day is an annual event, held in April, where DMD, MMSc, DMSc, and PhD candidates present research posters to faculty evaluators.

Lab Highlight



Investigating Osteoarthritis

The Ionescu Laboratory led by Dr. Andreia Ionescu, assistant professor of Developmental Biology, launched this year with funding from an NIH-NIAMS R01 Award to explore *Hypertrophy and Inflammation in Osteoarthritis*. The Lab focuses on the epigenetic regulation of skeletal development and disease, studying skeletal remodeling, pathology and regeneration.

Dr. Andreia Ionescu also received an Eleanor and Miles Shore 50th Anniversary Fellowship Award this year in honor of Aina M. Auskaps, DMD. This Award will help support her project, *Isolation and Characterization of a Chondrocyte Progenitor Population with Relevance to Osteoarthritis*. The purpose of the Shore Fellowship Program is to enhance the quality and diversity of the Faculty of Medicine at all ranks. Junior faculty are offered stipends at the most critical point in their academic careers.

Funded Research Projects

FISCAL YEAR 2016-17

Alaa Ahmed

A Retrospective Radiographic Analysis of Peri-implant Bone Remodeling

Funder: DentiumUSA

Roland Baron

Cellular Mechanisms of PTH1R Activation with Osteoporosis Treatments

Funder: Maine Medical Center

Role of CathepsinK in Osteocytes During Lactation, Calcium Deprivation and Skeletal Unloading

Funder: Merck Sharp and Dohme Corp

RSpondin: R-Spondin3 as a Target for Anabolic Bone Therapy

Funder: NIH/NIAMS

Mechanisms and Function of the Microtubule Podosome Connection in Osteoclasts

Funder: NIH/NIAMS

Seyed Hossein Bassir

Clinical Outcomes of Early Implant Placement vs Immediate or Delayed Implant Placement

Funder: American Academy of Implant Dentistry

John Da Silva

Ryan White HIV/AIDS Program 2015

Funder: HRSA-HIV/AIDS Bureau-Public Health Service

Nurse Education, Practice, Quality and Retention (NEPQR) Program Interprofessional Collaborative Practice

Funder: Northeastern University

Erica Frenkel

The Role of Salivary Mucin in Preventing Cariogenic Streptococcus Biofilm Formation

Funder: NIH/NIDCR

Bernard Friedland

Development Initiative for Ethical Review and Oversight of Health Research Involving Human Subjects in Rwanda

Funder: NIH/FIC

Kevin Guze

A Prospective Clinical Trial Comparing Conventional Dental Implants and Trabecula Metal Dental Implants After Staged Sinus Floor Elevation Procedures

Funder: Zimmer Dental, Inc

Andraia Ionescu

Hypertrophy and Inflammation in Osteoarthritis: Epistasis or Synergy

Funder: NIH/NIAMS

Laura Jacox

Role of the Bradykinin Pathway in Craniofacial Development

Funder: NIH/NIDCR

Jian Jiao

Soft Tissue Volumetric Change After Guided Tissue Regeneration Using OSTEON

Funder: DentiumUSA

Elsbeth Kalenderian

Dissemination: A Whole Systems Approach to Implementing Standardized Dental Diagnostic Terms

Funder: NIH/NIDCR

BigMouth: Implementing Dental Quality Measures in Practice

Funder: University of Texas Health Science Center at Houston

Measuring Occurrence of and Disparities in Dental Clinic Adverse Events

Funder: University of Texas Health Science Center at Houston

David Kim

The Efficacy and Safety of Chlorhexidine Perio Chip in Therapy of Peri-Implantitis

Funder: Dexcel Pharma Technologies Ltd

Soo-Woo Kim

Comparison of Volumetric Changes of Soft Tissue around Dental Implants Following Connective Tissue Graft

Funder: American Academy of Implant Dentistry

Satya Kota

Epigenetic Regulation of Skeletal Patterning and Morphogenesis During Development

Funder: NIH/NIAMS

Yefu Li

An Herbal Derivative as the Basis for a New Approach to Treating Post-Traumatic Osteoarthritis

Funder: U.S. Department of Defense

Chondroprotective Effects of the Deletion of HtrA1 and Ddr2 in Mouse Knee Joints Against Osteoarthritis

Funder: Servier

Eli Machtei

The Use of Extra-Short Dental Implants for Rehabilitation of Missing Teeth

Funder: Medical Implant System Implants Technologies Inc.

Dimensional Changes of the Keratinized Gingiva and Vestibular Depth Following Socket Preservation Procedure Using Two Surgical Protocols

Funder: Valeant Pharmaceuticals, LLC

Beate Lanske

The Regulation of the Parathyroid Gland

Funder: NIH/NIDDK

PTH Resistance and Marrow Adipogenesis-R56 Bridge

Funder: NIH/NIDDK

Role of Klotho in Osteoporosis and Renal Osteodystrophy

Funder: Department of Defense

Determine the Reproductive Phenotype of Fgf23 and Klotho Knock-out Mice

Funder: University of Copenhagen

Christine Murphy

Family Intervention with Caregivers of Children with Dental Needs

Funder: Case Western Reserve University

Developing a Measure of Illness Perception for Dental Use in Older Adults

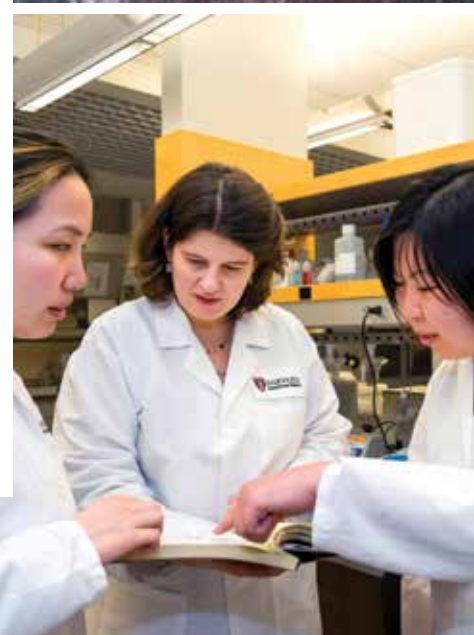
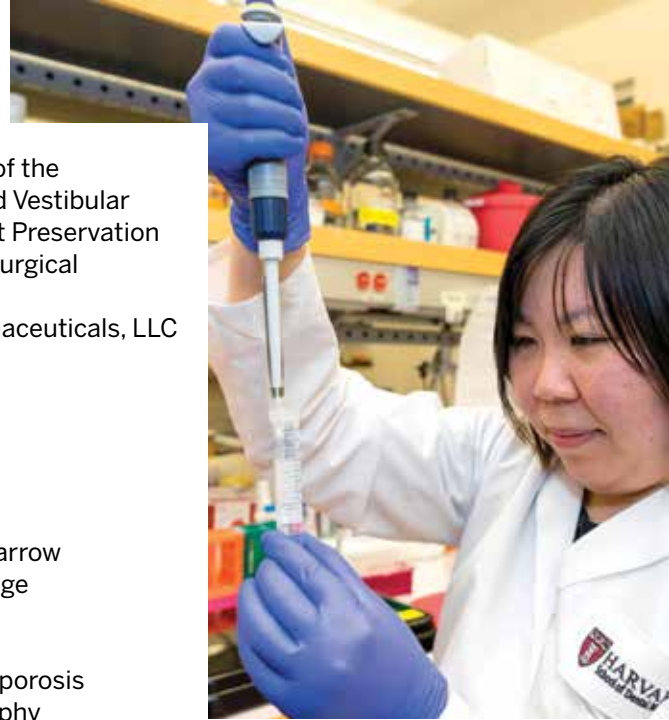
Funder: Case Western Reserve University

Academic Units for Primary Care Training and Enhancement

Funder: Health Resources and Services Administration

Patient Safety: Developing a Patient Safety System for Dentistry

Funder: University of Texas Health Science Center at Houston



Shigemi Nagai

Quantitative Assessment of Efficacy of New PRO-SYS Toothbrush

Funder: Benco Dental Supply Company

Iwate Project for Curricular Changes

Funder: Iwate Medical University

In Vivo Assessment of Optical Efficacy of Pink Colored Neck Implant and Abutment on Soft Tissue Esthetics

Funder: Keystone Dental

Gili Naveh

Tooth Movement Derived by PDL Cellular Manipulations

Funder: NIH/NIDCR

Martin Nweeia

Inuit Collaborative Workshop in Preparation for the Smithsonian Exhibit

Funder: National Science Foundation

Bjorn Olsen

Biogenesis of Extracellular Matrix

Funder: NIH/NIAMS

Vicki Rosen

Identification, Characterization, and Utilization of Adult Meniscal Progenitor Cells

Funder: U.S. Department of Defense

Adult Bone Mass Regulation by Type 2 BMP Receptors

Funder: NIH/NIAMS

11th International BMP Meeting

Funder: NIH/NIAMS

Jeffrey Shaefer

Inter-professional Case-based Pain Medicine Curriculum for Students of Dentistry, Medicine, Pharmacy, Psychology, and Nursing in Boston, MA

Funder: NIH/NIDA

Lisa Simon

Interprofessional Oral-Systemic Health Curricular Innovation Awards

Funder: New York University

Paul Sohn

Cuspal Protection In the Age of Adhesive Dentistry

Funder: Greater New York Academy of Prosthodontics

Malcolm Whitman

Identification of Cellular Regulators and Biomarkers of Fibrosis Targeted by AAR and EPRS Inhibitors

Funder: Allied Bristol Life Sciences

An Herbal Derivative as the Basis for a New Approach to Treating Post-Traumatic Osteoarthritis

Funder: U.S. Department of Defense

Role of the First Secreted Tyrosine Kinase in Bone Development, Homeostasis, and Repair

Funder: NIH/NIAMS

Role of a Novel Secreted Protein Tyrosine Kinase in Development

Funder: NIH/NIDCR

The First Secreted Tyrosine Kinase

Funder: NIH/NIGMS

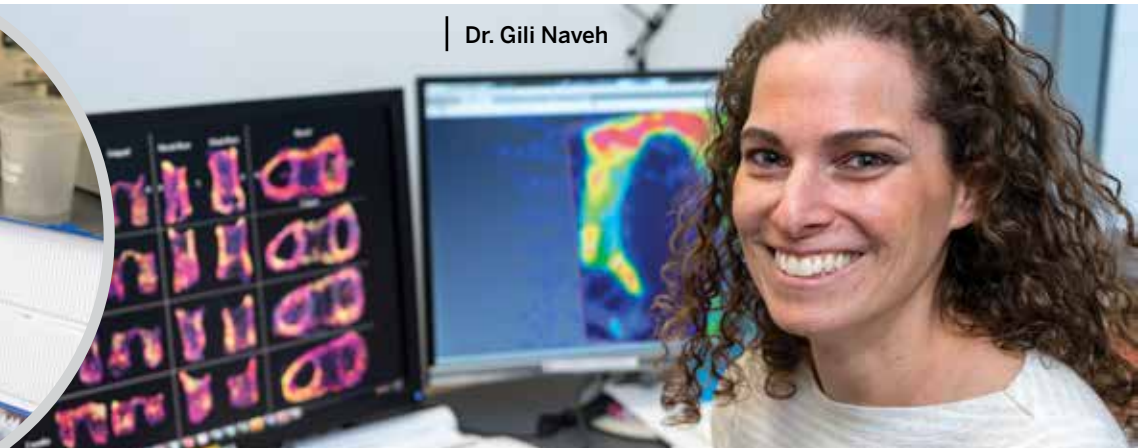
Yingzi Yang

Gas-Hedgehog Signaling In Intramembranous Bone Formation and Expansion

Funder: NIH/NIDCR

Molecular Mechanism of Wnt/Planar Cell Polarity Signaling

Funder: NIH/NCATS



| Dr. Gili Naveh



Clinical Care

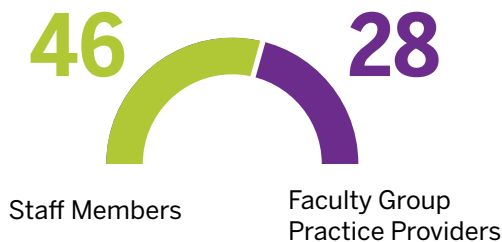
A patient receiving care in the Dental Center's Teaching Practices.


PATIENT FOCUS

The Harvard Dental Center's mission is to set the standard of excellence and innovation in patient-centered care. The comprehensive dental care facility, houses the Teaching Practices where treatment is delivered by predoctoral dental students and advanced graduate education students, supervised by faculty; and the Faculty

Group Practice, where care is provided by HSDM faculty members. As a multi-specialty group dental practice, the Faculty Group Practice combines general dentists, specialists in all areas of dental medicine, and dental hygienists.

Harvard Dental Center By the Numbers



 **35,265**
Patients as of Fall 2017

 **24,992**
Patient visits to the Teaching Practices (FY17)

 **17,625**
Patient visits to the Faculty Group Practice (FY17)



Faculty provide teaching and patient care in both the Faculty Group Practice and Teaching Practices. From top: Drs. Peter Grieco, Negin Katebi, and Hiroe Ohyama.

Faculty Provider Spotlight

Nalton Ferraro, DMD74, MD76

Dr. Ferraro served as an oral surgeon with Boston Children's Hospital for 18 years. He joined the Faculty Group Practice in FY17. Over his career Dr. Ferraro has treated children with medical problems, congenital abnormalities, obstructive sleep apnea and facial pain. His oral surgical interests include: oral surgery for special needs and medically compromised children and adults.

Dr. Ferraro was honored by the DMD Class of 2017 with an

Outstanding Teaching Faculty Award, an award voted on by the class to recognize faculty mentors.

"He is always encouraging and extremely helpful to his students in the operating room, not to mention, kind and comforting to all of our patients. He not only teaches us how to treat patients, he teaches us how to treat people," said the students who nominated him.



Interprofessional training takes place in the Teaching Practices, where nurse practitioner students learn alongside dental students to treat the whole patient.



National & Global Outreach

LEADING NATIONAL EFFORTS TO INTEGRATE ORAL HEALTH AND PRIMARY CARE TRAINING

With a five-year, \$3.5 million cooperative agreement grant from the Health Resources and Services Administration (HRSA), Harvard School of Dental Medicine, in collaboration with Harvard Medical School, the University of Massachusetts Medical School, Massachusetts College of Pharmacy and Health Sciences, and the State University of New York at Stony Brook, has established a national Center for Integration of Primary Care and Oral Health (CIPCOH). CIPCOH serves as a resource for systems-level research on oral health integration into primary care training with special emphasis on enhancements that will train primary care providers to deliver high quality, cost-effective, patient-centered care that promotes oral health, addresses oral health disparities and meets the unique needs of all communities.

Work in the first year of the project included:

- Reviewing and synthesizing all currently available sets of oral health competencies and evaluating these competencies within primary care programs across the learning spectrum.
- Understanding the effects of implementing oral health curricula in primary care training on measurable changes (number of referrals and oral exams performed) in primary care practice.
- Assessing the quantity and quality of oral health and IPE (Interprofessional Education) training in primary care education at medical and dental schools.



International Collaboration



HAITI

HSDM faculty are helping to build oral health capacity at the National Dental School and with Partners in Health's University Hospital in Mirebalais.



PERU AND COSTA RICA

HSDM is working with local health authorities to train community health workers in oral health competencies.



HSDM ALSO PARTICIPATES in various levels of collaborations (clinical, social or basic science research or teaching initiatives) in the following countries:

AUSTRIA
AUSTRALIA
BELGIUM
BOLIVIA
CANADA
CHINA

DENMARK
FINLAND
FRANCE
GERMANY
ITALY
ISRAEL

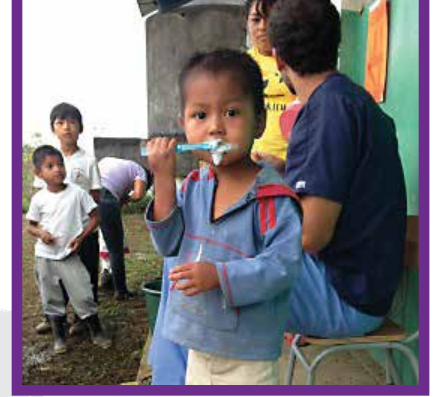
JAPAN
KOREA
MALAWI
MEXICO
NETHERLANDS
NIGERIA

NORWAY
SPAIN
SWEDEN
THAILAND
UGANDA



DUBAI

HSDM is collaborating with private and public partners to improve health outcomes for diabetics with periodontal disease.



INDIA

HSDM is working to improve maternal-child health status and reduce prevalence of oral cancer.



VIETNAM

HSDM is exploring a partnership with Vietnam's Ministry of Health to create a competency-based curriculum and national assessment for all dental schools.



RWANDA

HSDM faculty worked with colleagues in Rwanda on the country's first ever National Oral Health Survey. The survey was conducted to establish baseline national oral health status, inform strategic planning, and build research capacity. Development and implementation of oral health promotion, prevention, disease management, and infrastructure relies on the availability of baseline national oral health information that was not available until now.





Leadership

HSDM hosted a Leadership Forum with leaders in healthcare and academia, as well as an Educational Summit focusing on the future of dental education.



150 YEARS OF LEADERSHIP IN DENTISTRY

During the School's Sesquicentennial in 2017, Boston City Council passed a resolution in honor of HSDM's 150th anniversary.

Councilors Ayanna Pressley and Josh Zakim presented the resolution to the School's dean, Bruce Donoff, at a session in Boston's historic Faneuil Hall.

The School's Founding Day, July 17, was declared Harvard School of Dental Medicine Day in Boston.



“The Harvard School of Dental Medicine has long been a place of firsts, a place for pioneers who devote themselves to the deeply humane work of caring for people through the creation and application of knowledge. That work is visible today in the education of students, in the work of clinicians and researchers, and in the impact of efforts to promote oral health in communities both down the street and around the world.”

– Harvard President Drew Faust

ACADEMIC AND ADMINISTRATIVE DEANS

DEAN

Bruce Donoff, DMD67, MD73,
Walter C. Guralnick Distinguished Professor
of Oral and Maxillofacial Surgery

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

INTERIM DEAN, RESEARCH

Malcolm Whitman, PhD
Professor of Developmental Biology

ASSOCIATE DEAN, DENTAL EDUCATION

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

ASSOCIATE DEAN, DEVELOPMENT AND ALUMNI RELATIONS

Wanda Mock, MA

ASSISTANT DEAN, CLINICAL AFFAIRS AND SPECIAL PROJECTS

Catherine Ramos

ASSOCIATE DEAN, GLOBAL AND COMMUNITY HEALTH

Jane Barrow, AB84, MS87

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

Maria J. Troulis, DDS, MSc, Chair of Oral
and Maxillofacial Surgery and Walter
C. Guralnick Professor of Oral and
Maxillofacial Surgery

ORAL MEDICINE, INFECTION AND IMMUNITY

Roland Baron, DDS, PhD, Chair and
Professor of Oral Medicine, Infection,
and Immunity; Professor of Medicine,
Massachusetts General Hospital

RESTORATIVE DENTISTRY AND BIOMATERIALS SCIENCES

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

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Financial Summary

COMPARATIVE FINANCIAL STATEMENT

YEAR ENDED JUNE 30

2016

2017

Income Summary

| | | |
|---------------------------------|--------------|--------------|
| Tuition and fees | \$12,179,700 | \$12,795,100 |
| Endowment | 8,730,300 | 8,984,400 |
| Dean's endowment | 912,200 | 950,500 |
| Gifts for current use | 327,000 | 343,100 |
| Faculty Group Practice indirect | 700,000 | 700,000 |
| Other income | (600) | 8,000 |

Government

| | | |
|----------|-----------|-----------|
| Direct | 4,589,900 | 3,915,800 |
| Indirect | 2,740,700 | 2,280,100 |

Nongovernment

| | | |
|----------|-----------|-----------|
| Direct | 1,270,600 | 1,392,900 |
| Indirect | 318,400 | 189,600 |

TOTAL INCOME

\$31,768,200

\$31,559,500

*Includes Offices of the Dean, Administration and Finance, Development and Alumni Relations, and Research

Expenses Summary

| | | |
|--|-------------|-------------|
| Academic departments | \$4,330,700 | \$4,464,000 |
| Harvard Dental Center net clinical operations | 749,700 | 102,700 |
| Educational services | 7,357,100 | 6,905,700 |
| Administration* | 6,607,500 | 6,821,100 |
| University assessments | 2,074,600 | 2,027,200 |
| Operations and debt service | 4,719,800 | 5,678,100 |
| Research and training | 6,084,500 | 5,534,900 |

TOTAL EXPENSES

\$31,923,900

\$31,533,700

**Thank you for supporting
Harvard School of Dental Medicine.**



**HARVARD SCHOOL OF
DENTAL MEDICINE**

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compliments.*

Bruce Donoff
Dean



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