

FALL 2018

THE UNIVERSITY OF WASHINGTON DENTAL ALUMNI ASSOCIATION VOL. 44, NO.2

Dental Alumni news

HIGH FLIERS

Our students
bring amazing
backgrounds
to our School

■ NEW INTERIM DEAN

*Dr. Gary Chiodo
takes the reins*

■ AFFILIATES HONORED

*Drs. Abolofia, Cohanin
win Hungate Awards*

■ PEPTIDE RESEARCH

*A promising new
remineralizing product*



Dear Fellow Alumni:

As graduates of the University of Washington School of Dentistry, we should be proud of the outstanding education that we received. Our School continues to have an impressive reputation – currently ranked fourth in the United States and 14th in the world.

However, the School faces many challenges. And to maintain its tradition of excellence, it urgently needs support from all of us.

The UW Dental Alumni Association is always looking for ways to support and strengthen the School of Dentistry. In the summer of 2017, we began our **Dental Alumni Class Challenge**.

The Class Challenge creates a **Dental Alumni Endowed Faculty Fund for Excellence**. All alumni are being asked to contribute to this permanent fund, which will provide faculty fellowships throughout the School, with an emphasis on supporting junior faculty.

Funding for faculty is a particularly urgent need. In the last four years, the School has moved to a year-round curriculum to accelerate learning and provide more clinical experiences for students. This new curriculum helps keep our School on the cutting edge, but it creates tremendous strain for faculty in an environment of limited state funding and research support. In addition, budget cuts have placed even more pressure on our faculty.

This is our association's third Class Challenge. The first one helped remodel and create the D-1 Simulation Clinic for our students. The second one created the Dental Alumni Endowed Scholarship Fund for our students, generating \$60,000 in scholarships each year.

Now, with this third Class Challenge, we seek to give meaningful support to our faculty. **We are proud of these outstanding dental educators, who are among the world's finest, and we must do everything that we can to support them.**

For those who have already given to this Class Challenge, we thank you. If you have the means, please consider adding to that donation. We are requesting that you consider an annual donation of \$2,000 per year for the next five years. Any pledge amount made to the faculty fund will be appreciated. The \$2,000 annual gift means membership in the UW President's Club and our School's Dean's Club. More importantly, your gift recognizes the importance the School of Dentistry plays in your life and returns support to a premier institution.

Thank you for your consideration of the Class Challenge. We hope you will continue to be generous in your support of the institution that has given all of us so many opportunities for success.

Sincerely yours,

Dave Minahan, Class of 1975
CAMPAIGN CHAIR

Rick Crinzi, Class of 1972
PAST PRESIDENT, UW DENTAL ALUMNI ASSOCIATION



FALL 2018

DentalAlumninews

THE UNIVERSITY OF WASHINGTON DENTAL ALUMNI ASSOCIATION

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ON THE COVER: Kris Harris pilots his jet during his service as a Marine before enrolling at our School.

Our faculty need and deserve your support

"To improve is to change; to be perfect is to change often."
– Winston Churchill

Hello, colleagues! What an honor it is for me to begin my term as president of the Dental Alumni Association, and to follow Rick Crinzi at that! My first order of business is to thank Rick for his outstanding leadership over the past two years. He is a true giant in our state's "dental realm," and I aim to serve with the same dedication, wisdom, and

resourcefulness that Rick has embodied over his tenure.

Thank you, as well, to Dr. Jim Johnson for his work as interim dean. He stepped in last fall, was charged with some difficult tasks, and served with prudence and principle. His devotion to our school is duly appreciated.

Jim will be re-assuming his role as the chair of the Department of Endodontics, so be sure to swing by the D-wing on the sixth floor if you're at the School and thank him for his service. Stepping in as the new interim dean is Dr. Gary Chiodo, coming to us from the Oregon Health & Science University School of Dentistry. He brings a wealth of experience, and I invite all the alumni to welcome and support him in his new and vital role at our School.

There is no doubt that Dean Chiodo will continue the progress made in tackling our school's financial difficulties that Dr. Johnson initiated. The headway our School has made recently on this has been significant (see page 10), and even more progress is expected in fiscal year 2019. This is great news for our school, which despite some monetary struggles, continues to shine as one of the elite dental programs in the world. Our School was ranked No. 3 in the world in the 2018 Academic Ranking of World Universities, and in the 2018 Quacquarelli Symonds



Don't miss the Hawaii reception!

If you plan to attend the ADA's 2018 meetings in Honolulu, make sure you swing by our School's reception on Saturday, Oct. 20, from 5 to 7 p.m. at the Royal Hawaiian Hotel, 2259 Kalakaua Ave. in Honolulu. Please RSVP by Oct. 5 at 206-543-7297 or email randyn@uw.edu.

World University Rankings our School remained No. 14 in the world and moved up a spot to No. 4 in the United States. Lastly, the Class of 2018 – just like the Class of 2017 – had an aggregate score on Part II (clinical proficiency) of the national boards that placed them in the top two or three classes in the country. These are accolades that we can all be proud of.

These achievements would not be possible without our incredible faculty, who continue to guide and train our students to excel in all aspects of dentistry. I know that we are all grateful for the team of educators that made us the dentists we are today, and I'm sure we all have those specific faculty members that changed us as an individual – our knowledge of dentistry, our appreciation of our craft, or even our outlook on how we can create change in the world through our profession. So let's show them how much we are indebted to them, and give back to the school during the ongoing Class Challenge campaign. These funds will go directly to the faculty, and to the faculty only, so they can truly help our wonderful educators.

Our School has gone through many phases since its inception, but I think we can all agree that we have entered a period of significant change. It is my goal as Dental Alumni Association president to continue the Association's support of our School during this change, and to support the culture of excellence that our School embodies. Your involvement is critical, and I hope that you will join us in our efforts to sustain this outstanding institution.

JASON BOURNE (’01)

UW Dental Alumni Association President

Our team is here for you

Our Office of Advancement, Alumni Services, and Continuing Dental Education works to help you support and stay informed about our School of Dentistry, connect with one another, and assist you in your professional development. We're always happy to hear from you!



RANDY NEWQUIST
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Randy, who has been at the UW since 1986, was our longtime Director of Alumni Services before becoming Assistant Dean in early 2018 and leading our office. He oversees our School's fund-raising operations and also remains closely involved in Dental Alumni Association activities.



DOUG DAY
Associate Director of Advancement
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Doug started at our School in 2016 after extensive experience in corporate sales and working with non-profits in fund-raising and philanthropy. He assists our alumni, faculty, and friends in their philanthropy with a focus on major gifts and planned giving, and also helps alumni to increase their level of engagement with the School.



GREG CROAK
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Greg joined us in 2017 after working as Director of Graduate Affairs for Noble and Greenough School, a private high school in Boston. His primary focus is building relevant programming for recent DDS alumni while engaging corporate partners. Greg also serves on the University Advancement Equity team, which strives to make the UW more diverse, welcoming, and inclusive.



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Sarah came to us in 2016 a few months after starting at the UW in Gift Services. Before that, she spent 10 years at the Kansas Historical Society in her home state managing the National Register of Historic Places program. An architectural historian and public historian by training, she also works part time as a consulting historian throughout King County. In our office, her roles include tracking gift activity, managing donor lists, supporting fund-raisers, and more.



STEVE STEINBERG
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Steve joined us from the *Seattle Times* in 2008 after 35 years as a professional journalist, editing and writing for national magazines and newspapers including the *Dallas Morning News*. He writes and edits the *Dental Alumni News*, posts material on our School's website and social media, works with news media, writes news releases for external publication, produces videos, and assists the Dean's Office with communication.



SALLY GEE
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Sally started at our School in 2002 working for Pediatric Dentistry, then moved to CDE a year later. She lived in France for nearly two years after graduating from the UW, then came home and worked for a printing software firm. As CDE director, she plans new courses, maintains accreditation, oversees marketing, and develops course ideas based on industry needs, participant requests, and dental organization partnership possibilities.



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Joy started with us as a UW student assistant majoring in anthropology in 2007, then became a CDE temp, then a full-time office assistant, and now program coordinator. She assists in CDE program planning, dealing with logistical details and compiling course materials, and monitors the CDE registration system.

Challenges, opportunities, and change

Since being selected as Interim Dean, I have been making frequent use of the words “honored,” “thrilled,” “enthusiastic,” and “pleased.” This is truly a great honor for me, and I am sincerely humbled by the trust and confidence that the UW leadership and School of Dentistry have placed in me.

At the same time, I have been an interim dean of a dental school before and I recognize that, while opportunities abound, they come with challenges and that change is not always embraced. One of the



early challenges for a new dean coming in from the outside is learning the concerns and hopes of the faculty, students, and staff. This is a critical part of learning the “culture” of an organization. I feel a bit of an advantage in this regard in that the recent external review of the School by the Deloitte consulting group provided some limited exploration and insight into that culture. While that report will be useful in informing my areas of focus for

the next few months, my immediate tasks will include personally collecting, categorizing, and synthesizing information from all groups.

This is a “listening tour” and will include initial one-on-one interviews with many faculty; group meetings with other faculty; meetings with students, staff, and post-doctoral resident groups; and enhanced patient feedback systems. In addition, I will be reaching out to our Dental Alumni Association and the state’s dental community.

The dean’s office will be a bi-directional point of communication. The information that I receive from all of these sources will be reflected back to you and to all stakeholders in a transparent way, along with my conclusions and plans. I will ask you, from your perspective, what is working well, what is not working so well, and what you see as the top three priorities.

In addition to listening, learning, and communicating, I have quite a few other short-range and intermediate goals. These include:

- Regular communication of the School’s fiscal stability and financial challenges. I recognize that much has been written about this. I plan to address

those challenges on both the revenue and expenditure sides of the ledger and cannot be successful in doing so without collaboration from all stakeholders.

Department chairs need detailed and clear data to partner with me in addressing fiscal issues, and they will receive it.

- We need strategic plans for the short, intermediate, and long term. I do not want this to be identified as “Dean Chiodo’s Strategic Plan” and will include representatives from faculty, alumni, student groups, executive leadership, and organized dentistry in a collective process.

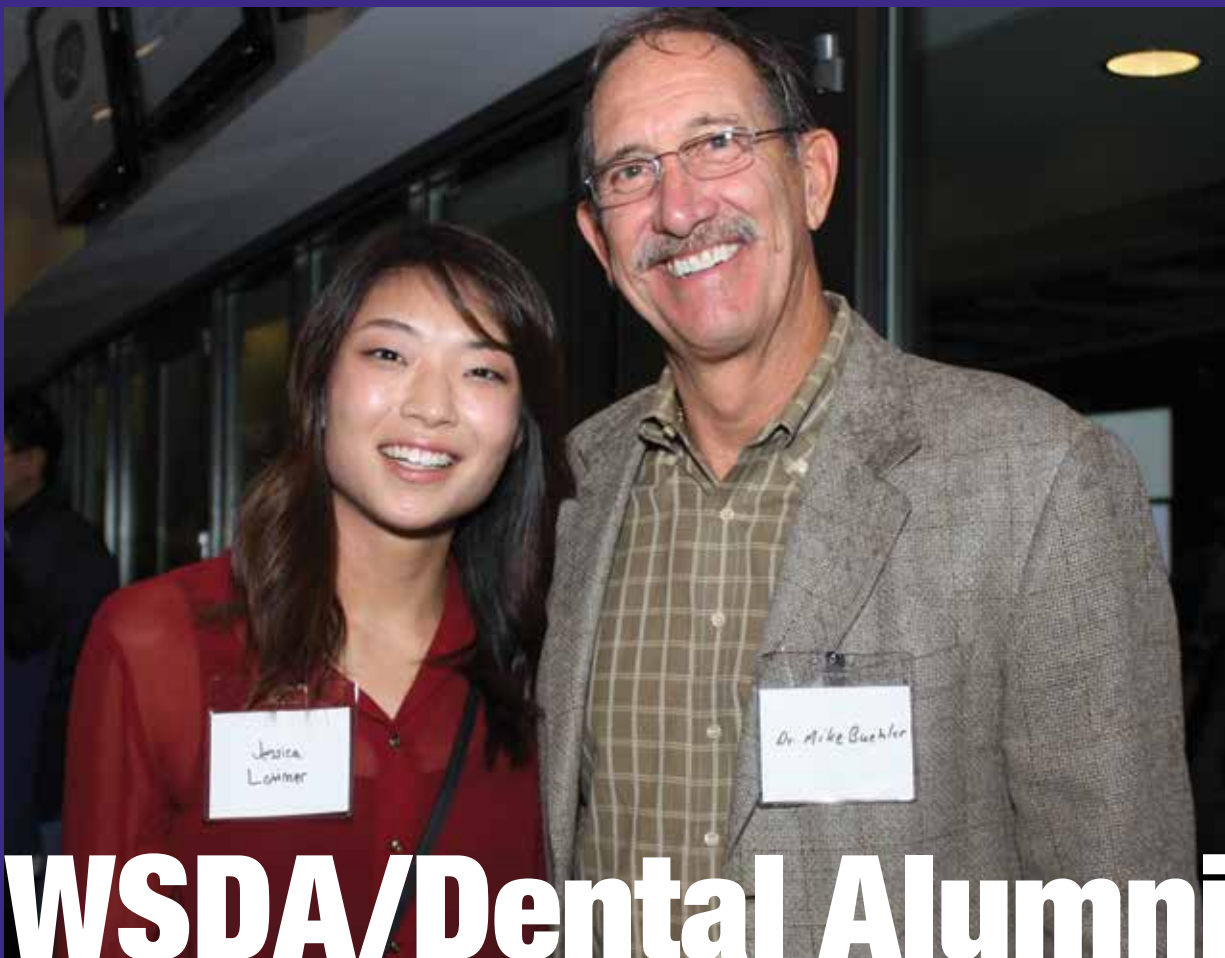
- I will have a laser focus on our clinical operations and opportunities for enhanced patient care. I believe that these opportunities exist in the pre-doctoral, graduate, and faculty practice clinics. All who are involved in any element of patient care will be oriented to a strong “delight the customer” philosophy. Effective methods of soliciting patient experience feedback will tell us if we are, in fact, delighting the customer.

- The School has a history of being a research giant, and I will work with our research community to explore creative ways to stimulate even greater development in this area. I will work with department chairs to establish “program development” accounts that can be used to help fledgling investigators get started.

- Our students are the reason that we are privileged to have a school of dentistry and are our future colleagues and alumni. I want to ensure that no student leaves our school feeling that he or she was treated unfairly or subjectively. I also will work hard to control tuition and other expenses so that we are competitive and sustainable.

The above is part of my short list. There is so much more for us to face and conquer, but I am already confident that we will be a formidable team in addressing these challenges, maximizing our opportunities, and welcoming the change. I am indeed delighted to be joining this team and pledge to be your enthusiastic partner as we move forward.

GARY T. CHIODO, DMD, FACD
Interim Dean



WSDA/Dental Alumni Mentor Program

Mentors make a tremendous impact on our students. They demonstrate professional behavior and ethics. They give students real-world knowledge of dental practice that the classroom — and even school clinic — can't always provide. They are a powerful force in directing the future of the dental profession.

DO YOU WANT TO MAKE A DIFFERENCE?

Contact Randy Newquist at the School of Dentistry:
randyn@uw.edu or 206-616-0716.

***Mark your calendar for this year's Mentor Reception:
Thursday, Oct. 11 from 6 to 8:30 p.m.
at Husky Stadium's Touchdown Terrace***

Dr. Gary Chiodo becomes interim dean

Dr. Gary Chiodo of Oregon Health & Science University (OHSU) was appointed interim dean of our School of Dentistry, effective Aug. 1.

Dr. Chiodo was assistant director of the Center for Ethics in Health Care and professor emeritus in the Department of Community Dentistry at OHSU. He succeeded Dr. James Johnson, who stepped down as interim dean in April and resumed his earlier duties as chair of the Department of Endodontics.

Dr. Johnson had taken over from Dr. Joel Berg last October after Dr. Berg resigned from the deanship, which he had held since 2012.

“Dr. Chiodo is a highly respected and capable dental education leader who will provide the focused, knowledgeable, dedicated, and collaborative leadership needed by the School of Dentistry at this time,” University of Washington President Ana Mari Cauce said in a joint announcement with Provost Mark Richards. “We are confident that he will engage faculty, staff, and students in transforming the School into an organization that is committed to excellence, accountability and sustainability.”

From 2012 to 2014, Dr. Chiodo served as interim dean at the OHSU School of Dentistry, where he worked to solve financial challenges. He is expected to serve as our interim dean for at least two years before the university conducts a search for a new permanent dean.

From 2014 to 2017, Dr. Chiodo served as vice president and system compliance officer/organizational integrity with PeaceHealth, a nonprofit chain of hospitals, medical clinics and laboratories located in Alaska, Washington, and Oregon. At OHSU, he was a long-



Interim Dean Gary Chiodo

time faculty member in the Department of Public Health Dentistry, earning promotion to full professor in 1992.

Dr. Chiodo served as OHSU's chief integrity officer from 2000 to 2011, overseeing health care compliance, human and animal subject research, and several other areas. He received his bachelor's degree in biology from Portland State University in 1974 and his DMD from the University of Oregon Health Sciences Center in 1978. He earned a certificate in health care ethics from the UW School of Medicine in 1992.

For two decades at the start of his career, he practiced at a Portland public health dental clinic that treated the majority of identified HIV-positive persons in Oregon and southwest Washington. He has served on state and national committees related to public health, ethics, and infectious diseases. He has lectured internationally on these issues and has published more than 100 re-

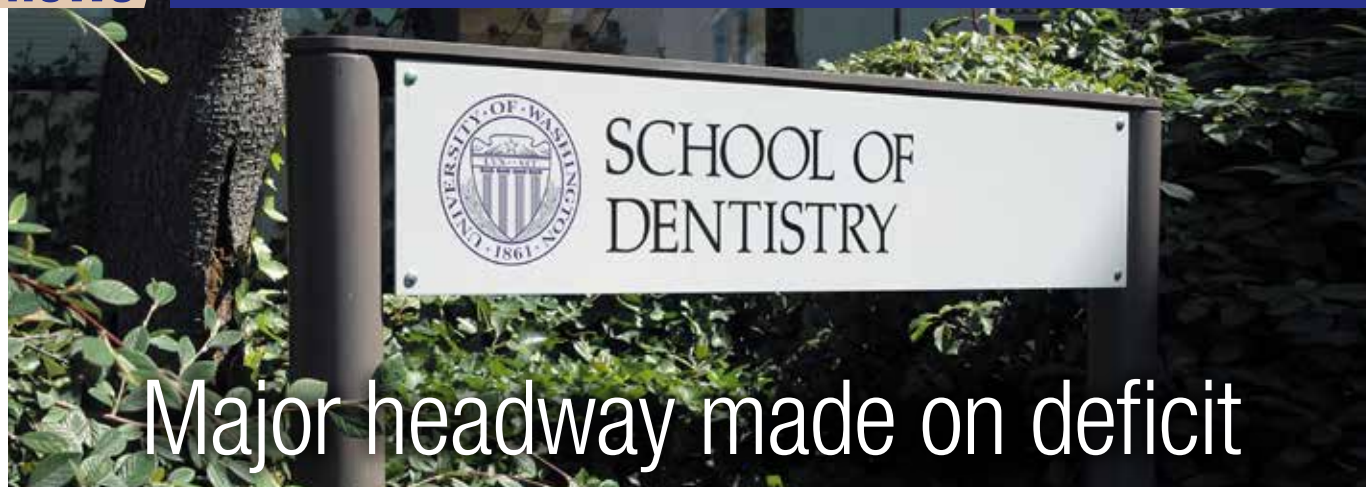
lated peer-reviewed articles. In 2002, he was elected as a Fellow of the American College of Dentists.

He has also served on committees with the Oregon Health Division and the Oregon Health Authority, and on the board of the Oregon Public Health Association, and has held membership in the American Dental Association, Academy of General Dentistry, and Oregon Dental Association. He has received OHSU's Distinguished Faculty Award for Leadership and the Ecumenical Ministries of Oregon HIV Honor Award.

“I am sincerely honored to be joining the University of Washington School of Dentistry leadership team at a critical time of transformation,” Dr. Chiodo said. “The school has consistently been rated as one of the very best, nationally and internationally. It is my intent to firmly secure that rating and continue to drive us forward. We certainly have challenges to address as we resolve operational issues and improve our infrastructure. After meeting with department chairs, faculty, staff, students, and UW executive leadership, I am confident that we are well prepared to meet these challenges. I will be an enthusiastic partner in this effort.”

In recent years, the School has confronted a rising operating deficit. However, a series of measures taken in the past year substantially pared the annual shortfall (see page 10).

“We all owe a great many thanks to Dr. Johnson and the rest of the School's leadership for the progress they have made in addressing these financial challenges,” Dean Chiodo said. “Now we must build on their work to ensure that the School has the stable, sound foundation we require.” ■



Major headway made on deficit

Our School of Dentistry reduced its operating deficit for fiscal year 2018 by more than 80 percent from FY2017, School officials reported in August.

The deficit for FY2018, which ended on June 30, was \$1.85 million, compared with a deficit of \$11 million in FY2017. The deficit in FY2016 was \$6 million.

The progress in reducing the deficit was especially noteworthy in light of initial projections made last fall, which forecast a figure ranging from \$10 million to \$16 million.

“A great deal of credit goes to Dr. James Johnson, my predecessor, along with our School leadership and staff who worked diligently and took the difficult steps needed. They all should be justifiably proud of this significant accomplishment,” said Interim Dean Gary Chiodo in a message to the School in August.

Since last fall, the School eliminated a number of faculty and staff positions through a combination of layoffs and attrition. The number of associate deans was trimmed from seven to four, and the School also reduced administrative salary supplements. In partnership with the UW Provost, a historic shortfall in the School’s summer tuition allocation has been resolved. Tuition in the pre-doctoral program was also frozen for the upcoming academic year in recognition of sharp increases over the last several years.

Interim Dean Chiodo, however, sounded a note of caution in his mes-

sage, saying: “The FY2018 deficit reflects some one-time adjustments that we will not have in FY2019, and that means we still have a great deal of work remaining to achieve our goal of eliminating any annual deficits in departmental budgets going forward.”

He also said that he did not believe that the School could rely solely on budget cuts to eliminate its deficit, and

“... We still have a great deal of work remaining to achieve our goal of eliminating any annual deficits in departmental budgets going forward.”

— Interim Dean Gary Chiodo

that further reductions must be strategic and not compromise programs or growth. To that end, Dr. Chiodo plans to lead development of “a coherent, detailed strategic plan to grow our revenues, fortify our faculty resources, and sustain our educational excellence.”

At the request of the UW President and Provost, Dr. Chiodo is submitting a state operating budget request to increase support for clinical operations. “In order to remain a safe, stable and high quality provider of oral health

for our state’s most vulnerable, we need our state lawmakers to help support the significant numbers of Medicaid and uncompensated patients we treat in our clinics every day,” he said.

The School began receiving payments from the Professional Services Supplemental Payment program early this year. The federal program helps make up the losses Medicaid providers sustain because of low reimbursement rates. However, while it gives our School a substantial boost, it still does not fully cover the losses incurred by our heavy Medicaid patient load, which has risen over the last several years to about half of total patient visits.

In addition to the state request, Interim Dean Chiodo also said that one of his top priorities would be to revive the faculty practice, which was closed in the spring due to operating losses and disparities in faculty compensation.

Dr. Chiodo will convene a faculty practice work group and request fast-tracked recommendations. “A healthy and flourishing faculty practice is essential, and we will rebuild it aggressively on both the main campus and at the Sand Point clinic,” he said.

Operating improvements will also continue with a focus on patient billing and collections processes as well as improving the patient experience. Dr. Chiodo plans to explore ways to make our clinics more inviting and accessible to patients, including soliciting patient satisfaction and experience data for all of our clinical operations. ■



Dr. Jeffrey Abolofia, Dr. Bobby Cohanin honored for affiliate teaching

Dr. Bobby Cohanin and Dr. Jeffrey Abolofia were honored with Hungate Awards for Teaching Excellence, our School's highest recognition for affiliate faculty members, during the Ernest Jones Memorial Lecture on March 23 at Kane Hall on the UW campus.

Dr. Cohanin, an affiliate professor in our Department of Orthodontics, received the 2018 Hungate Distinguished Teaching Award. Dr. Abolofia, an affiliate professor in our Department of Restorative Dentistry, received the 2018 Hungate Lifetime Teaching Award.

The awards, inaugurated in 2014, honor the memory of Dr. William P. "Mitch" Hungate ('78), a beloved affiliate faculty member for 33 years who was well known for his dedication to excellence in and out of dentistry. An avid outdoorsman and triathlete, he died in an avalanche in the Cascades in 2013. The awards are supported by donations from friends, family, and colleagues.

The Distinguished Teaching Award is given to recognize outstanding junior or mid-career faculty, while the Lifetime Teaching Award honors the

work of emeritus or senior faculty.

Dr. Cohanin, who received his DDS and orthodontics certificate at the University of Southern California, along with an MSD in craniofacial biology, taught at USC from 1990 to 1995. He returned to Seattle, where he had attended the UW as an undergraduate, and joined our affiliate faculty, on which he has served for 21 years.

He teaches biomechanics to first-year Ortho residents and is active in departmental research. He also lets senior graduate students shadow him in his private practice to learn about practice management.

"Dr. Cohanin is an effective, passionate teacher who has greatly contributed to the educational mission of the Department of Orthodontics and School of Dentistry," wrote Dr. Roozbeh Khosravi of the department's faculty in a nominating letter. "He is a very worthy recipient of this teaching award to recognize excellence and dedication among our affiliate faculty."

Dr. Abolofia ('75), who also received his undergraduate education at the UW, has taught dental anatomy and occlusion to more than 3,300 students in the course of 44 years on

the Restorative affiliate faculty. He has been nominated several times for a Hungate Award, and consistently earns his students' highest ratings for his teaching.

"Jeff, more than any other affiliate faculty member [I know], sets superior standards for his students," wrote Dr. James Newman of the Restorative faculty in a nominating letter. Another Restorative colleague, Dr. Thomas Quickstad, wrote: "Jeff loves dentistry and it shows when he is working with students. He shows them that the work they are doing is important to success in their time in dental school and beyond."

The Hungate Awards were instituted to formally acknowledge the efforts of affiliate faculty, who are indispensable to our School's educational and clinical mission. In any given year, between 500 and 600 dentists serve on the affiliate faculty, for compensation that covers little more than the cost of parking at the UW. ■

Above: Dr. Mark Drangsholt (left) of the Hungate Awards selection committee and Dr. Jeff Parrish (right), chair of the committee, join Dr. Jeffrey Abolofia (second from left) and Dr. Bobby Cohanin after presentation of their awards.

AAPD names Dr. Donald Chi Pediatric Dentist of the Year

Dr. Donald Chi ('06), associate professor of Oral Health Sciences, has been named Pediatric Dentist of the Year by the American Academy of Pediatric Dentistry (AAPD).

The award, which was presented at AAPD's annual meetings in May, goes to a pediatric dentist who has made significant contributions to the dental profession and the specialty of pediatric dentistry through clinical practice,



Dr. Donald Chi

academics or policy development over the past year. Recipients also have devoted extensive volunteer leadership service to the dental profession and their specialty.

Dr. Chi's previous awards include the 2017 International Association for Dental Research's Young Investigator Award; the American Dental Association's 2015 Evidence-Based Dentistry Faculty and Practice Award; the initial Sunstar Americas Pediatric Prevention Award in 2013; and the 2016 Jerome

B. Miller Crest Oral B. For the Kids award from AAPD's Healthy Smiles, Healthy Children foundation.

Dr. Chi's recent research includes the first long-term study of dental health aide therapist utilization, which he based on data collected from 2006 to 2015 in Alaska's Yukon Kuskokwim Delta. His study, which was published in January in the *Journal of Public Health Dentistry*, found that greater access to the therapists' services in Alaska resulted in more use of preventive dental services and fewer extractions among adults and children. In addition, fewer children with more access required extractions of their four front teeth.

Dr. Chi, who also holds an adjunct

appointment in the UW School of Public Health, holds a PhD in health services research from the University of Iowa in addition to his DDS from our School. He has published more than 100 peer-reviewed manuscripts, abstracts, and book chapters. His wide-ranging research interests include access to dental care services, Alaska Native pediatric oral health disparities, oral health of low-income children with special health care needs, and the relationship between medical and dental care utilization.

He is the first dentist and UW faculty member to be named a William T. Grant Foundation Scholar, and in 2013 he received the International Association for Dental Research Colgate Community-Based Research Award for Caries Prevention and the Bengt Magnusson Memorial Prize in Child Dental Health from the International Association of Pediatric Dentistry. ■

Sea Mar launches new scholarship

Sea Mar Community Health Centers, one of Washington state's leading providers of broad-based health care and other critical services to underserved communities, has bolstered our School's scholarship resources with a new award.

The Sea Mar Community Health Centers Diversity Scholarship, launched with a five-year pledge, helps to support one or more dental students demonstrating financial need. Preference is given to students with deep personal ties and connections with diverse cultures, especially those of Latin America. This year's initial award, which was announced at our School's Scholarship Luncheon in June, went to second-year RIDE student Mariany Morales.

Founded in 1978, Sea Mar encompasses more than 90 medical, den-

tal, and behavioral health clinics and a wide range of nutritional, social, and educational services. While the community-based organization serves the entire community regardless of ability to pay, it focuses on diverse communities, especially Latinos in Washington state.

Care at its dental clinics includes exams, urgent-care visits, restorative procedures, limited orthodontic treatment, and oral health education. Sea Mar also provides follow-up care from community Head Start program visits and refers patients to medical providers. Sea Mar's dental director is UW dental alumnus Dr. Alejandro Narvaez ('82), who has been an active contributor to our School as a donor and an affiliate faculty member and through his extensive involvement in our Partners in Diversity program. ■

Dental hygiene icon Dr. Martha Fales mourned

Dr. Martha Howard Fales, who chaired the Department of Dental Hygiene at our School of Dentistry from 1961 to 1986, died on April 29 in Olympia, Wash., just weeks before her 102nd birthday.

Dr. Fales joined the School's faculty in 1959 and assumed leadership of the Dental Hygiene Department from its founder, Dr. Esther Wilkins, one of the most influential figures in modern dental hygiene. Dr. Fales also left an indelible mark on the profession through her continuing advocacy on health and dental hygiene issues and her oversight of an outstanding four-year dental hygiene degree program at the UW. The program also offered an option for a master's degree.

"The hygiene students took several basic science courses in parallel

with dental students, and participated in treatment planning and treatment in clinic with students," recalled Dr. Glen Johnson, professor emeritus of Restorative Dentistry at our School. "This program was a model for hygiene education worldwide, and a very well-functioning program through which hygiene students, patients, and dental students benefited greatly."

In 1990, the Washington Dental Hygienists' Association established the Martha Fales Award to honor her and recognize other hygienists for outstanding contributions to their profession.

"Martha was indeed a special person and an inspiration for many generations of dental hygienists," said Dr. Diane Daubert, who received her bachelor's degree in dental hygiene from our School in 1982 before obtaining her master's degree and PhD

in oral biology. "She was an integral part of the initial study on public water fluoridation in Michigan in the 1940s when she was working on her master's in public health.

"Martha was honored at the 50th anniversary of public water fluoridation, one of the top 10 advances in public health in the 20th century. When she came to Seattle, she worked hard on the campaign for fluoridation here, rounding up all the hygiene students and dental students to [ring] doorbell[s] for the campaign."

"Martha was larger than life," Dr. Johnson said. "Those of us who knew her will never forget her."

Dr. Fales was born in Ludington, Mich., to Mabel and Peters Howard. After she earned her bachelor's degree in dental hygiene from the University of Michigan, she worked as a hygienist in the Flint, Mich., public schools. She went on to earn a master's degree and PhD from the University of Michigan. Her doctoral work focused on the history of dental hygiene education.

In 1946 she married Kenneth Frank Fales, whom she had met while working as a field hygienist in Maine. They settled in Connecticut and later Massachusetts, then moved to the Seattle area when her husband was offered a job at Boeing. After living in Bellevue, they moved to the Montlake neighborhood in 1970, which allowed Dr. Fales to walk to our School. Dr. Fales became professor emeritus in 1986, continuing to lecture and act as a proponent of dental education. Her husband passed away in 2006.

Dr. Fales is survived by her daughter, Jane Fales Goldberg, and son-in-law, Larry, of Aberdeen (Wash.); four grandchildren, Amy Goldberg Rowley (Scott) of Olympia, Carrie Goldberg of Brooklyn (N.Y.), David Goldberg (JJ) of Seattle, and Lauren Goldberg of Los Angeles (Calif.); and five great-grandchildren. ■

In 2015, Dr. Martha Fales visited the School of Dentistry and paused by a bust of Dean Maurice Hickey. During his tenure, she served as chair of the Department of Dental Hygiene.





Dr. David Mathews (left) receives his award from his old friend and longtime lecture colleague, Dr. Frank Spear.

Drs. Mathews, Walker honored at annual Dean's Club dinner

Dr. David Mathews (Perio '74) and Dr. Mark Walker ('81) were honored on May 5 at our annual Dean's Club Dinner, which took place at the Bell Harbor International Conference Center on downtown Seattle's scenic waterfront.

Dr. Mathews received the 2018 Dean's Club Honorary Lifetime Member Award, the club's highest recognition, while Dr. Walker received our Dental Alumni Association's 2018 Distinguished Alumnus Award. Dr. Sidney Gallegos ('81), President of the Dean's Club Board of Trustees, and Dr. Susan Hollinsworth ('78), a fellow board member, shared hosting duties at the gala event.

Dr. Mathews served as Clinical Assistant Professor on our Periodontics faculty from 1974 to 1982, and then in 2010 rejoined the faculty as Affiliate Associate Professor. For more than 25 years, he traveled the world with Dr. Frank Spear and the late Dr. Vincent Kokich as one of dentistry's most celebrated lecture teams. Near

the end of their collaboration, the trio created the Kokich Mathews Spear Endowed Fund for Academic Leadership in Dentistry, which supports instruction for our faculty in the art and science of effective presentation. In 2009, the three lecturers devoted

one of their final joint appearances to raising funds for the \$250,000 endowment, and followed it up with a substantial personal gift.

Dr. Walker was president of the Washington State Dental Association in 2004 and Seattle-King County Dental Society in 1994-1995, and has also been an American Dental Association delegate from Washington. He was president of the Washington Oral Health Foundation from 2000 to 2002, president of the SKCDS Foundation in 1995-1996, and chaired the ADA Council on Governmental Affairs in 2009-2010. He has served on the Dean's Club Board of Trustees, and has volunteered with Medical Relief International and Medical Teams International for the past decade.

Members of the Class of 2018 were special guests. Evan Mitchell, president of the Student Council, received the Jack E. Nichols Student Leadership Award, while Kristofer Harris, class president, received the Johnny N. Johnson Student Leadership Award. ■



Dr. Mark Walker (left) receives his award plaque from his good friend Dr. Deck Barnes.



Judy Allen and Dr. Robert Allen ('66)

Dr. Sidney Gallegos, the dinner's co-host, presents the Jack E. Nichols Student Leadership Award to fourth-year student Evan Mitchell.



Dr. Susan Hollinsworth shared the hosting duties.



Fourth-year student Kris Harris received the Johnny N. Johnson Student Leadership Award.



Dr. Rick Crinzi ('72, left), outgoing president of our Dental Alumni Association, received a plaque of appreciation from Dr. Jason Bourne ('01), the incoming president.



Dr. Karen Sakuma ('79) and Dr. Carrie York ('91, GPR '92)



Lisa Hess and Dr. Tim Hess ('94)



Dr. Jim Ribary ('75) and Linda Ribary



Mark Konings and Dr. Alejandro Narvaez ('82)



GRAD IMAGES

Class of 2018 earns its hoods

Sixty-five members of our Class of 2018, including those in the International DDS program, received their DDS degrees at the annual Investiture of Hoods ceremony at the UW's Meany Hall on June 2.

Dr. James Johnson, chair of our Department of Endodontics, who had recently concluded his term as interim dean, was the keynote speaker, selected by the graduating class. "You will do well to rely on your training and education to get you through difficult times, but you must also be ready for the one constant in dentistry



Dr. Kristofer Harris, class president

and life – and that is change," he told the graduates. He urged them to find fulfillment by balancing their professional duties, spirituality, family life, and recreation.

Dr. Ricardo Schwedhelm, associate dean for clinical services, welcomed guests to the ceremony, and Dr. Kristofer Harris, class president, delivered a short speech liberally laced with humor. His class distinguished itself this year with an outstanding performance on Part II of the national board exams that placed them among the top two or three classes in the nation. ■



Dr. Isabella Wang Amar ('18) savors that special moment.



Dr. James Johnson, keynote speaker



New clinicians mark the moment

On June 23, our Class of 2020 students took that big step forward into their new roles as clinical providers with our annual White Coat Ceremony.

The ceremony, held at the UW's Kane Hall, features the presentation of clinical coats to rising third-year students, who until that point have only assisted in clinic. Now, during their final two years, the students perform procedures themselves under faculty supervision.

As he has often been before, Professor Emeritus John Wataha of our Department of Restorative Dentistry was the keynote speaker, invited by



Dr. Tracy Popowics of Oral Health Sciences helps Charmaine Bui into her clinical coat.

the students. Class President Micah Bovenkamp led the students through the traditional pledge of excellence and ethical conduct.

Those taking the pledge and receiving their clinical coats included the newest cohort of International DDS students, who join our other students for the final two years of the pre-doctoral curriculum.

Thanks go to our UW Dental Alumni Association, which was the primary sponsor, and the other supporters, the American College of Dentists and the Washington State Fellows of the International College of Dentists. ■

Scholarship recipients recognized

Our School recognized its more than 80 annual scholarship recipients on June 1 with a luncheon at South Campus Center. This year's event included the presentation of a new award, the Sea Mar Community Health Centers Student Diversity Term Scholarship (see page 12).

Dr. Susan Coldwell, Associate Dean of Student Services and Admissions, hosted the luncheon, which was attended by scholarship donors as well as recipients.



Perio honors Dr. Roy C. Page

Our Department of Periodontics has renamed its research laboratory to honor one of the School of Dentistry's most illustrious faculty members and researchers, Dr. Roy C. Page (Perio '63).

In a ceremony that Dr. Page and his wife, Patricia, attended on Aug. 25, 2017, the department also dedicated a display case that highlights some of his awards and achievements. During his career, Dr. Page, who is now Professor Emeritus of Periodontics, received honors including the Norton M. Ross Award for Clinical Research, the American Dental Association's highest recognition for lifetime research achievement. He was named Distinguished Scientist by the American Association for Dental Research in 2001 and Distinguished Alumnus by the University of Washington in 2000, and received the Gies Award from the American Academy of Periodontology in 1982.

He has also served as president of the American Association for Dental Research and the International Association for Dental Research.

Dr. Page holds a prominent place in oral biology, with work that includes seminal studies on the biochemistry of periodontal connective tissue and the role of the cementum matrix in periodontal regeneration. His work is credited with spurring numerous other studies and significantly broadening the understanding of inflammatory

"He is a world-class scientist and a world-class human being."



Dr. Richard Darveau (right), Chair of Periodontics, joins Dr. Roy C. Page and his wife, Patricia, at the dedication of a display showcasing some of Dr. Page's many awards and achievements.

periodontal diseases.

At the School of Dentistry, whose faculty he joined in 1967, Dr. Page established the Regional Dental Research Center in 1990, and was renowned for his prowess in attracting grant funding – more than \$40 million in the course of his career.

During a ceremony preceding the dedication of the display case, colleagues, faculty, staff, and friends also paid tribute to his stature as a teacher and mentor, as well as his personal qualities. "He is a world-class scientist and a world-class human being," one said.

Dr. Richard Darveau, Chair of Peri-

odontics, related a time when Dr. Page had submitted a grant application to the National Institutes of Health that received a strongly negative initial response.

"There was no chance this very large program project grant application was going to be funded," Dr. Darveau said.

"At the meeting to discuss what we were going to do, I had anticipated this meant the end of the project. ... To my surprise, Dr. Page walked into the room and said, 'Looks like we got our work cut out for us.' He then led a discussion on how we should address each individual concern raised by the study panel.

"The application was funded upon revision and resubmission. This lesson in confidence in the work and determination has been an inspiration for me throughout my entire academic career."

Dr. Darveau expressed his appreciation for the ceremony and gathering to Dr. Sam Narayanan, who initially contacted Dr. Darveau to propose the idea. Dr. Narayanan, Professor Emeritus in UW Medicine's pathology department, taught pathology with Dr. Page and worked with him on grants.

Dr. Darveau also extended his appreciation to Perio affiliate faculty members Dr. Dave Engel and Dr. Allen Chen, a close friend and neighbor who was part of Dr. Page's research group; and to Perio staff members Margaret Collins and Meghan Guillen for their organizing efforts. ■



OMS residents hit MD milestone

In May, our School's Department of Oral and Maxillofacial Surgery marked a milestone with the awarding of MD degrees to three of its resident trainees – the first in a quarter-century. Drs. David Ludwig ('15), Karen Zempenyi ('15), and Rodney Nishimoto received their medical degrees, marking the completion of the first part of their six-year OMS residency after enrolling in 2015.

Dr. Thomas Dodson, Chair of OMS, formally proposed the MD/OMS certificate program in 2014, with the new six-year program replacing the former four-year residency. The new program incorporates the final two years of medical school and two years of general surgery residency, with eight months of that residency earmarked for OMS electives. Those completing the program may then apply for medical licensure and board certification in OMS.

"Conversion to this six-year format is strategically important to the School of Dentistry in order to further its goal of becoming the premier OMS program in the Western United States and nationally and internationally recognized as a leader in academic OMS," Dr. Dodson wrote in his proposal.

Above: Dr. Thomas Dodson gathers with his residents after they received their MDs: (from left) Dr. Karen Zempenyi, Dr. David Ludwig, and Dr. Rodney Nishimoto.

The new program immediately attracted outstanding candidates, he says. "Since implementing the program, we have had some of the strongest applicant pools that I have ever had the privilege of evaluating and interviewing for our program."

Beyond strengthening OMS training at the UW, Dr. Dodson explains the rationale for the new program: "Conceptually, OMS is a surgical subspecialty. As such, it seems to make educational sense for surgical subspecialists in any field to have solid grounding in the principles and practices of general surgery and care of the surgical patient."

The residents, based on their dental training, start with advanced standing in medical school. They rotate at UW School of Medicine sites in Seattle hospitals and the WWAMI region.

Expanding the program posed formidable administrative issues, Dr. Dodson says. He thanked Dr. Suzanne Allen, School of Medicine associate dean, and Dr. Carol Teitz, School of Medicine professor emeritus, along with their staff, as well as OMS administrator Bridget Doyle, program director Dr. Jasjit Dillon, and program manager Susan Lael for nailing down the myriad details.

Dr. Ludwig says it was a challenge to bolster the medical knowledge he gathered while pursuing his DDS so that he

could be adequately prepared for each clinical rotation.

"The Step 1 medical board exam was a large hurdle, as we were reliant completely on self-study for the content," Dr. Zempenyi says. But UW predoctoral training provided an edge.

"The most valuable component of my pre-doctoral dental training was my experience with surgical procedures and experience with patients," Dr. Ludwig says. "This experience put me at an advantage when compared to my medical student colleagues who were just entering the clinical part of their curriculum."

The residents say they thoroughly enjoyed their clinical medical training. "We were delivering babies in OB/GYN rotation, stabilizing gunshot victims in the Emergency Department, and removing gallbladders on General Surgery all without further worry of grades or letters of recommendation," Dr. Zempenyi says. "For the first time in our careers, we were able to learn for the sake of learning."

Maintaining dental skills was a challenge, however, with dental moonlighting discouraged. Says Dr. Nishimoto: "The OMS program and Dr. Dodson wanted us to focus 100 percent on excelling in medical school. As the first class to go through the MD curriculum, we did not want to have any excuses for not being top-ranked medical students. We maintained our hand skills during our multiple surgical rotations, including neurosurgery and plastic surgery."

It could be a little frustrating to hear about dental classmates who were already opening practices and enjoying the fruits of their education, Dr. Zempenyi says, but the residents took that in stride – with a little help.

"I have been very lucky to have the support of my family, who keep me grounded when I can't figure out the difference between nephritic and nephrotic syndromes at 1 a.m.," she says. ■

UW dental volunteers boost Special Olympics screenings

Our faculty, staff, students, and alumni converged on the Husky Union Building during the first week in July to make the Special Olympics Summer Games even more special.

These volunteers helped staff the Special Smiles dental screening program at the 50th-anniversary games in Seattle. As part of the Special Olympics Healthy Athletes program, Special Smiles screenings may include oral hygiene instructions and goodie bags,

everyone, but unfortunately, people with developmental disabilities have difficulty accessing oral health care and have higher rates of untreated dental decay and gum disease,” said Dr. Espinoza, who works in Oral Medicine and directs our School’s landmark Dental Education in Care of People with Disabilities (DECOD) program.

Fellow volunteer Dr. Travis Nelson of Pediatric Dentistry said: “The lives of children and adults with disabili-

athletes are unaware of the condition of their oral health:

- 46 percent have periodontal conditions.
- 36 percent have untreated tooth decay.
- 14 percent need urgent care.
- 12 percent have dental pain.

Improving oral health and access to dental care for people with special needs requires the support of the entire dental community, she added, but that’s more easily said than done, according to Dr. Nelson.

“Children and adults with disabilities make up a significant portion of our population, yet dental providers are often anxious about providing care to these patients, and caregivers often face difficulty finding providers to care for their child’s oral health,” he said.

Reiterating the prevailing thought among dentists, Dr. Nelson said that all patients should have access to a dental home. “The Special Smiles program focuses on screening patients for dental disease and facilitating connections with providers who can provide comprehensive dental care,” he said.

“While disability may impact health, it isn’t necessarily synonymous with poor oral health,” he added. “Special Olympics and the Special Smiles program are a great way to help athletes access oral health services. In turn, this can improve the individual’s overall quality of life.”

The dental volunteer effort received a boost from the American Academy of Developmental Medicine and Dentistry (AADMD), Dr. Espinoza said, crediting AADMD’s Special Olympics coordinator, fourth-year student Stephanie Clark, with a stellar student volunteer recruitment effort. In addition, Dr. Espinoza said, the UW’s AADMD student chapter has been especially active this year, with two other Special Smiles events under its belt before the Summer Games. ■



Dr. Kimberly Espinoza of our faculty (second from left) joins (from left) Dr. Allen Wong, global clinical advisor for Special Smiles; fourth-year UW dental student Stephanie Clark; and Dr. Steve Perlman, director of Special Smiles.

mouth guard fabrication, fluoride application, and a dental evaluation. Athletes are told if they have an urgent or emergency dental need, and the screeners try to connect them with care. The screenings are also used to collect information that may help attract funding for treatment and research.

With more than 4,000 athletes, coaches, and families on hand for the games, it was a major undertaking. Special Smiles also helps focus attention on the importance of oral health for people with special needs, says Dr. Kimberly Espinoza, who led our School’s volunteer effort.

“Oral health is important for ev-

er, but unfortunately, people with developmental disabilities have difficulty accessing oral health care and have higher rates of untreated dental decay and gum disease,” said Dr. Espinoza, who works in Oral Medicine and directs our School’s landmark Dental Education in Care of People with Disabilities (DECOD) program.

Fellow volunteer Dr. Travis Nelson of Pediatric Dentistry said: “The lives of children and adults with disabili-

ties are complicated by a wide variety of physical and behavioral conditions. This can make receiving dental care and maintaining good oral health a challenge.”

The Special Smiles program has been a major asset to researchers, Dr. Espinoza said, since it has the largest database on the oral health of people with developmental disabilities. And it clearly shows that dental issues are a widespread problem.

“Special Olympics data show high rates of oral pain among athletes in addition to untreated dental decay,” she said. The Special Smiles screenings have found that a large number of the

Faculty helps develop new remineralization product

A University of Washington research team that includes faculty members from our School of Dentistry and UW Materials Science and Engineering has designed a natural product using engineered short proteins called peptides to rebuild tooth enamel and heal carious lesions and possibly even cavities in their early stages.

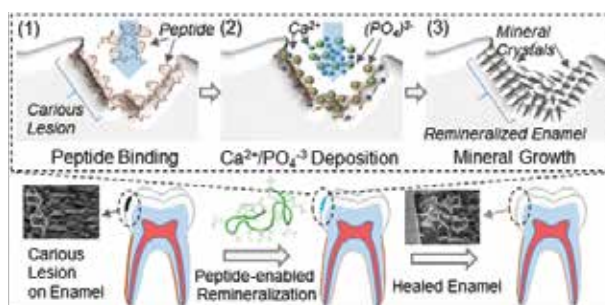
The peptide product remineralizes teeth, adding new layers to the enamel or even damaged dentin or cementum, and can be used in toothpaste, gels, or other applications. It would represent an advance over fluoride toothpastes and mouthwashes, which strengthen existing tooth enamel but do not add any.

The team's product comprises a genetically engineered peptide – a chain of amino acids – along with phosphorus and calcium to form the mineral hydroxyapatite, which is the building block of tooth enamel and its molecular scaffold. The peptide is derived from amelogenin, the key protein in tooth enamel development. Amelogenin is also the key to the formation of cementum, which makes up the surface of the tooth root.

The team's findings were published in the journal *ACS Biomaterials Science and Engineering*. The team is led by Dr. Mehmet Sarikaya, professor of materials science and engineering and adjunct professor in the Department of Chemical Engineering and Department of Oral Health Sciences. Journal co-authors include Dr. Sami Dogan, associate professor in our Department of Restorative Dentistry and Dr. Greg Huang, chair of the Department of Orthodontics. Other co-authors are Dr. Hanson Fong, a research scientist

in the UW Department of Materials Science and Engineering, and Deniz Yucesoy, a graduate student in the UW's Genetically Engineered Materials Science and Engineering Center.

"Remineralization guided by peptides is a healthy alternative to current dental health care," said Dr. Sarikaya, who was the lead author of the journal article. "Peptide-enabled formulations



The genetically engineered peptide actually forms new tooth enamel.

will be simple and would be implemented in over-the-counter or clinical products."

"As a dental faculty member, I'm not satisfied with the old drill-and-fill model," said Dr. Dogan. "Here, we're using natural materials to address a global oral health issue."

Traditionally, fluoride has been used topically to prevent dental caries, but its inability to reverse caries leaves room for other approaches to treat and reduce the risk of dental disease. So the UW researchers developed their amelogenin-based peptide, which is a chain of 15 amino acids. Their product formulations (gels, pastes, solutions) incorporate the remineralizing peptide along with the component ions that form the mineral that mimics human tissues.

"There's a surprising lack of remineralization studies," said Dr. Sarikaya, whose interest was sparked by a sug-

gestion from former School of Dentistry Dean Martha Somerman several years ago.

"I asked myself: Instead of using amelogenin as is, could I sequence it differently to improve remineralization?" he said. He had to investigate the different ways in which cells utilized hydroxyapatite to make proteins in tooth dentin and enamel and other forms of bone.

"It's similar to the way in which all seashells have calcium carbonate, but it takes different forms," he said. "We had hydroxyapatite-binding peptides from previous research. So why not use them to remineralize the tooth surface?"

After studying data on more than 150 peptides, Dr. Sarikaya and colleagues used bioinformatics to design amelogenin-derived peptides. They settled on one that created enamel far faster than natural amelogenin, which is bulkier, more expensive, and cumbersome to handle.

Each application deposits 1 to 5 micrometers of new enamel on the teeth, and repeated use increases the thickness layer by layer.

The peptide is engineered to bind the enamel to the teeth and not the mouth's soft tissue. Dr. Dogan said that it could eliminate carious lesions, and possibly even repair small cavities and surface white-spot lesions. It is expected to be safe for daily use by adults and children alike.

"Establishing the scientific foundations for remineralization has a high potential to empower practicing dentists to address caries-related dental problems due to demineralization, the origin of most dental ailments," Dr. Dogan said.

The research was funded by the Washington State Life Sciences Discovery Fund and our Department of Restorative Dentistry's Spencer Fund. ■



DeRouen Center holds first global oral health symposium

With the support of a grant from the National Institute for Dental and Craniofacial Research, our School's Timothy A. DeRouen Center for Global Oral Health held its first symposium on global oral health on July 31 on the University of Washington campus.

The symposium, titled "Interprofessional Health Care: Adding Oral Health to Interdisciplinary Global Health Projects Worldwide," sought to provide a framework for global oral health research that extended beyond oral health alone. A key theme was global inequalities in the distribution of and access to care for oral diseases. Speakers discussed:

- Fundamental gaps in knowledge and understanding of the factors related to oral health.
- Lack of priorities developed with the active participation of the communities in need.
- Limited research in implementation and integration sciences of oral health.

Key speakers were:

- Dr. Waranuch Pitiphat of Khon Kaen University in Thailand, who addressed "Faculty Development: The Impact of National Institutes of Health Funding on the Training of Thai Research Leaders."
- Dr. Jorge Luis Castillo of the Uni-

versidad Peruana Cayetano Heredia in Peru, who spoke on "From the Andes to the Amazon: Connecting the Peruvian Oral Research Community to the National Institutes of Health."

• Dr. Arthur Kemoli of the University of Nairobi in Kenya, who spoke on "Advocating for HIV Research In Children and Adolescents: The AFRICA Project."

• Dr. Joseph Zunt of the UW and Seattle's Fred Hutch Center for AIDS Research, who spoke on "Oral Health Is Relevant to Global Health: Existing Opportunities Through Fogarty Fellowships and Scholars."

• Florencia Vasta, associate program officer with the Global Development Program of Seattle's Bill & Melinda Gates Foundation, who spoke on "Investing in Nutrition Is Investing in Global Health."

In addition to those attending live, the symposium reached about another 700 people worldwide who watched a live Facebook feed. ■

Dr. Stiefel honored at dental meeting

Dr. Doris Stiefel ('54, Oral Bio '71), who directed our Dental Education in Care of Persons with Disabilities (DECOD) program from 1975 until retiring in 1994, was honored during the 30th annual meeting of the Special Care Dentistry Association in Seattle on April 28.

Dr. Stiefel was named an Honorary Diplomate of the American Board of Special Care Dentistry, in recognition of her role in making DECOD an in-



Gathering at the Washington Athletic Club were (from left): Dr. David Itzkoff; Lynn Frandsen, RDH; Dr. Sam Zwetchkenbaum; Patty Doyle, RDH; Dr. Doris Stiefel; Mae Chin, RDH; Dr. Roseann Mulligan; Dr. Kim Espinoza, current DECOD director; Dr. Jerry Klaponis; and Dr. Ray Lyons.

ternationally recognized center of patient care and professional education.

After the day's session, Dr. Stiefel joined a dinner party hosted by her

former DECOD colleague Patricia Doyle, RDH, for Special Care Dentistry colleagues at the Washington Athletic Club. ■

Heads up! We still need those skulls

Thanks to our donors who continue to send human skulls to Dr. Sue Herring of Oral Health Sciences for instructional use at our School of Dentistry! Since our last issue, she's received skulls from Dr. John Simpson ('85), Dr. Bradley Brown ('78), Dr. James Menzies ('64), Dr. Lorin Peterson ('80), Dr. Christopher H. James ('77), Dr. Peter Joss ('63), and Dr. Michael Doyle ('71).

Dr. Herring, who also teaches in our Department of Orthodontics, uses the skulls as one of several instructors in a School of

Medicine pre-doctoral course on medical and dental anatomy. She also uses them in her School of Dentistry post-graduate course on head and neck anatomy.



The School's collection of skulls is aging, and skulls have grown prohibitively expensive in a time of shrinking budgets, Dr. Herring said. She noted that decades ago, dental students often bought skulls, and those would be prime candidates for donation if they're no longer in use. She also said that the newly donated skulls are almost always in better condition than the rest of the collection.

The skulls must be actual human specimens – not plastic – and in reasonably good condition, with no major parts missing or broken, she said.

Skulls may be sent directly to Dr. Herring at the School of Dentistry's Department of Orthodontics, 1959 N.E. Pacific St., Box 357446, Seattle, WA 98195. If a tax deduction is desired, donors should state their valuation of the skull in an email or in writing. (Dr. Herring's email is herring@uw.edu.) The School can then provide an official acknowledgement of the donation.

Dr. Michael Baldwin named Magnuson Scholar

Dr. Michael Baldwin ('15), a PhD candidate in oral biology at our School, has been named a UW Magnuson Scholar for 2018-19.

A recipient is chosen annually from each of the university's Health Sciences schools for the \$30,000 award, which is one of the UW's highest. Criteria include academic performance and potential contributions to research in the health sciences.

"I am very grateful and honored to receive this award," Dr. Baldwin said. His PhD dissertation project is titled "The Causes and Consequences of Midfacial Hypoplasia in the Yucatan Minipig" and is mentored by Dr. Susan Herring and Dr. Zi-Jun Liu of our Department of Oral Health Sciences.

His career goal, he said, is to be a dentist-scientist in the fields of craniofacial biology and orthodontics. Specifically, he hopes to be a professor of orthodontics and plans on specializing in orthodontics after completing his PhD.

"Over the course of my career, I hope to improve our knowledge about how to prevent and better treat craniofacial malformations; train exceptional, highly qualified scientists and clinicians; and help advance dental education and research," he said.

Dr. Baldwin's research focuses on midfacial hypoplasia, a condition characterized by underdevelopment of the upper jaw, nose, and cheek bones.

The primary mechanism of this condition is not well understood, he said, but its effects can be life-threatening, including impaired

breathing and feeding. Current treatments are limited to invasive surgeries that have only mixed success.

Dr. Baldwin, who received his BS in business management at Brigham Young University in 2011, practices general dentistry in the Seattle area while pursuing his studies. He



Dr. Michael Baldwin received his DDS at the UW in 2015.

was previously recognized for his research with the International Association for Dental Research Craniofacial Biology Award in 2017, American Association of Oral Biologists Award in 2015, and the American Dental Association Warner-Lambert Research Conference Award in 2013.

"Dr. Baldwin's selection as the 2018-19 Magnuson Scholar is well deserved," said Dr. Douglas Ramsay, Chair of the Department of Oral Health Sciences. "I am very impressed with Michael's ongoing research in craniofacial biology, which will advance our understanding of facial growth, a topic of obvious importance to the field of orthodontics." ■

Ernest M. Jones Memorial Lecture

Dr. Barry Raphael (second from right) of New York City's Mount Sinai School of Medicine delivered the Ernest M. Jones Memorial Lecture at the UW on March 23 with a presentation titled "Alternate Perspectives in Dentistry: Airway Orthodontics." Joining him during a break in the lecture were (from left) Dr. Sara Gordon, our associate dean of academic affairs; Dr. Rick Crinzi ('72), outgoing Dental Alumni Association president; and Dr. Deck Barnes ('69), director of speaker selection for the lecture.



PROLOGUE TO PRE-DOC

The fascinating backgrounds students bring to our School

To some extent, our pre-doctoral students' lives blend together. Classmates take the same courses. Outside the classroom or clinic, they swap notes and discuss what they're learning. They wear scrubs, a uniform of sorts. They hang out and relax together.

But these students had lives before dental school – unique, compelling, even remarkable lives. Sometimes these lives didn't even hint at a future in dentistry. And yet they have all intersected at Montlake.

A Marine jet pilot. A tortilla factory worker. A firefighting smokejumper. A Russian adoptee. An Israeli soldier. A symphony musician. This year, all of them were students at our School.

KRIS HARRIS

Was treating your first live patient a little daunting? Try making your first jet landing at sea.

Dr. Kris Harris, president of our Class of 2018, did that and more as a Marine aviator and flight instructor. He also served in Qatar, where he was a senior offensive duty officer supporting operations in Iraq and Afghanistan. He scanned satellite images and helped coordinate Predator drone strikes.

Memorable moments during flight training included his first boat landing, in a T-45C Goshawk. "We're taught to go full power as soon as the wheels hit the deck of the ship so that if we don't catch a wire and stop, the engine will spool up and we'll just take off again," he says. "After my first arrested landing, coming to a sudden stop from 120 knots, I was terrified and elated and smiling from ear to ear. And I also left my power all the way up, the engine roaring while sitting stationary



As a Marine pilot, Kris Harris flew Harrier jets and also served as a flight instructor.

“I just wanted the challenge [of the Marines] and to serve my country.”

– KRIS HARRIS



Kris Harris was president of our Class of 2018.

on the flight deck. In my reverie, I failed to notice the many hands on deck frantically trying to signal to me to bring the engine back to idle. Finally, the sarcastic voice of the Air Boss over the radio – ‘Umm ... if you want to get out of the wire, I’m going to need you to bring your power back’ – brought me back to earth.”

He was always drawn to being a military officer, he says. His father was an Army general surgeon for 20 years. His Uncle Mike was a Marine officer in Vietnam, and Kris knew which branch of service he wanted. “It was the Marines’ pride in their service, the difficulty, their high standards. I just wanted the challenge and to serve my country.”

In all, he spent 11 years in the Marines. As his eight-year commitment to flight duty drew to a close, he wasn’t looking forward to the likely prospect of staff work. What might his options be outside the service? His family did have a medical background. Aside from his dad, his mom and sister were nurses, and his brother was a doctor. But he remembered his father often being gone on call when he was growing up, and decided he’d prefer dentistry as a way of helping people and making an impact.

Born and raised in Lakewood, Wash., “I had a strong attraction to being a Husky,” he says. His dad had gone to the UW School of Medicine, his mom to the UW School of Nursing. Before he could enroll, however, he had to do some serious makeup work after being out of college for 10 years. While stationed in Mississippi as a flight instructor, he took physics and microbiology at a community college. For the Dental Ad-

missions Test, he signed up for a review course that met once a week from 9 p.m. to midnight. And he and his wife, Alison, had their hands full with a growing family.

Commencement day here was a little different for him than for most of his classmates. As soon as he received his doctoral hood, he dashed off to change into his dress whites to be formally recommissioned into the Navy. There, at the naval base in Bethesda, Md., he has begun an endodontics residency, accompanied by Alison and their three children.

He gravitated to endodontics in part because of the urgency of patients’ need. “People come to you when they need you the most – they’re in terrible pain,” he says. “And we’re uniquely situated to help relieve them.” He also likes the technical aspects of endodontics, and there’s this: “Our Department of Endodontics faculty are great ambassadors for their specialty.”

After his residency, he’d love to return to Puget Sound – maybe an assignment to Whidbey Island or Bremerton. His parents are now retired in Lakewood, his sister is a nurse in Spokane, and his brother is an ear-nose-throat specialist in Anacortes. Who knows? We may see Navy Lt. Harris make his next landing on our Endo faculty.

ALBA WEAVER

Alba Weaver, a RIDE student in our Class of 2019, was born and raised in La Paz, a coastal state capital near the southern end of Mexico’s Baja California peninsula. Her father was a truck driver who was killed in a car accident in 2003 at the age of 38. Her mother is a cook.

Alba and her two sisters and two brothers had a good childhood, she says. “We were poor, but we would always find ways



Alba Weaver during an Alaskan summer

“I would also like to be in a position to influence other young people, especially those from underserved backgrounds, to realize nothing is impossible.”

– ALBA WEAVER

to keep ourselves entertained – climbing trees or going to the beach, which was often, especially in the summertime.”

She thrived at school early on, but that changed. “As I grew older, I soon realized that education in Mexico didn’t mean much. None of my family members had gone beyond a sixth-grade education and struggled finishing middle school. ... No excuses, but I just did not see any future or value in pursuing an education.”

Alba attended high school for two semesters, then quit and went to work making corn tortillas in a factory for \$5 a day.

She eventually married and moved to Alaska in 2004 with her husband, Joe, who built log cabins. For two years they lived out in the bush in a small camper with their three dogs, cooking over a fire. She refined her English skills, and the stay in Alaska lasted 12 years.

In 2007, a new acquaintance asked her, “So what do you do?” That casual question stopped her in her tracks.

“That moment was – and still is – a moment of clarity and impact,” she says. “To this point, I don’t know why that question clawed at my core, but it pushed me to get my GED and enroll at the University of Alaska Fairbanks.” She earned her bachelor’s degree and was already interested in dentistry.

“My mom lost most of her teeth at a young age,” Alba recalls. “She went through her 30s covering her mouth when she smiled or talked to people. When we finally had enough

money to pay for her dentures, her life changed completely. ... The day she looked at herself in the mirror was magical. Her eyes were full of life. She smiled from ear to ear without covering her mouth. My mom became outgoing, friendlier, and happier. I thought, ‘That’s what I want to be able to do for others in the future.’”

Her goals were modest at first – dental assistant, or perhaps even dental hygienist. “But as my education evolved, I realized that with the right amount of work and help from family, I could actually become a doctor of dental medicine.”

That help started with her husband. “He is always there to support me and encourage me. In addition, I have been very lucky to meet people who have helped me in ways that I cannot even begin to describe. Many of them are instructors in undergrad and now in dental school. These are individuals who truly care about me doing well. They give me words of encouragement, and they show me ways to improve my clinical skills and dental judgment.”

Alba and Joe had a daughter in 2016, her second year of dental school. “A handful already with a full plate, but well worth it. She softens every difficult day. Without my husband, my daughter, and those teachers, I wouldn’t be here.”

Alba wants to pursue an AEGD residency in Eastern Washington in an underserved community to sharpen her skills and start giving back to people in need. She hopes that her family can make their lives in a small rural community.

“Although at this time I don’t see myself owning my own practice, I feel my strength is in community clinic work,” she says.

“I would also like to be in a position to influence other young people, especially those from underserved backgrounds, to realize nothing is impossible – no matter where you come from.”

ROBERT ROSENTHAL

Robert Rosenthal, a RIDE student in our Class of 2021, studied classical languages at Macalester College in St. Paul, Minn. Isn’t that what you’d expect from someone who parachuted into forests to fight wildfires?

“My best friend from high school and I decided at 19 that we wanted to become smokejumpers,” he says. “We loved working hard, being a part of a team, and being outdoors, so naturally smokejumping seemed like a great fit.”

After three years of training with a crew in California, they hired on in 2010 at a base in Washington’s Methow Valley, where Robert worked until 2017. “Bad stuff happened to some of the people I worked with, ranging from fire-crippled trees falling on people, to parachute malfunctions, to broken



Alba Weaver's plans include an AEGD residency.

“Bad stuff happened to some of the people I worked with ... But I was very lucky over the years.”

—ROBERT ROSENTHAL

bones from rolling boulders,” he says. “But I was very lucky over the years.”

He had his share of nerve-racking moments, though. “It was in my second year during a fire jump in the Three Sisters Wilderness of central Oregon. I was very green and I had just watched two veteran jumpers miss the jump spot from the window of our plane. Both of these old jumpers ‘treed up,’ which means that they were dangling from the large conifers like human Christmas ornaments.

“As I put on my helmet and cinched down the harness leg straps, I looked down at my jump partner, another old-timer, and he raised his eyebrows as if to say, ‘Well, this is where the rubber meets the road.’ I took another look out the window at the fire, the jump spot, and the two previous firefighters in the trees, and walked to the door of the plane.

“I was nervous, but luckily my jump partner had a reputation for being an accurate toggler, so I thought that I would just copy what he did in the air, and that’s just what I did.”



Cutting a burning tree during a forest fire

They made it into the target meadow without trouble and went to work.

Born and raised in Tucson, Ariz., he had a strong connection to our School: His father, Dr. David Rosenthal, was a 1980 graduate whose work profoundly influenced Robert. “I remember being impressed when someone asked him if dentistry seemed boring after all the years,” Robert says. “And he responded that he wished it was boring, that a boring day is a great day, and that it’s the exciting days that keep you up at night. That seemed intriguing, and I am starting to see what he means.”

His sister Sally also drew him to dentistry. She had received her DMD from the Arizona School of Dentistry and Oral Health and practiced pediatric dentistry in that state. Tragically, she died from B cell lymphoma in 2015. “When I first decided to become a dentist, it was with the thought of working with her,” he says. “She was a truly amazing big sister.”

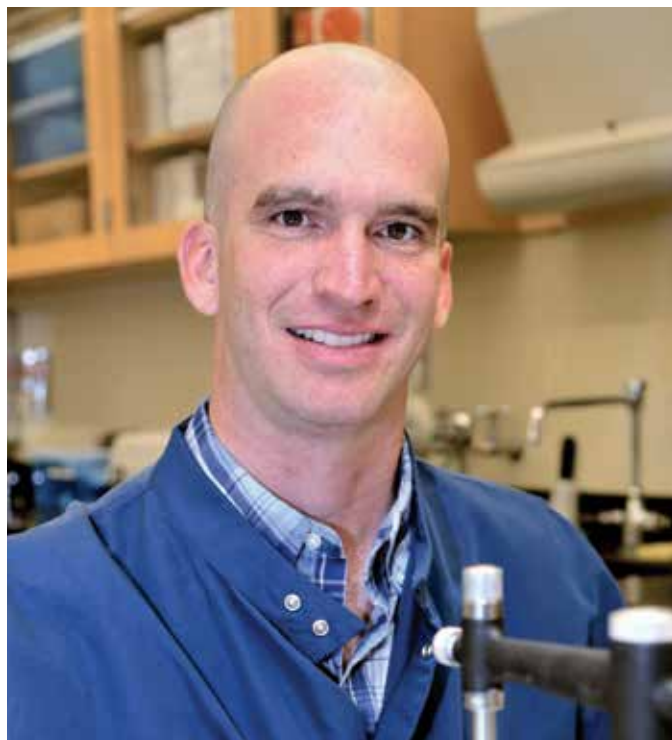
Now he’ll be the one carrying on the family dental tradition. He’s set his sights on an AEGD residency after graduation. After that, he’d enjoy working at a community clinic in rural Washington, or he might buy a practice from a retiring dentist. The ideal would be to find a place where his fiancé, Erin, can pursue her current work for the U.S. Forest Service, which she’s been doing in Naches, Wash., near Yakima. They had their first child on Aug. 13, during Robert’s RUOP rotation.

“I asked Erin to give birth after 6 p.m. so I wouldn’t miss too much time at the clinic, but she said it’s not quite that simple,” he says. Yes, he went there. Wouldn’t smokejumping have been safer?

OLGA HLAVATY-LAPOSA

Olga Hlavaty-Laposa, from our Class of 2019, was born in Smolensk in western Russia. She wanted to be a ballerina and dance at the Bolshoi in Moscow, but it wasn’t to be.

Just before Olga turned 12, she and her two sisters were adopted by an American couple in Snohomish, Wash. Their birth mother, in ill health, had died when Olga was 9, and their birth father was absent. Both of her adoptive parents served in the Army Reserve; her dad was an engineer at AT&T Wireless, while her mom worked for FEMA. The couple al-



Robert Rosenthal says he’d enjoy practicing in rural Washington.

“I feel I have a sense of responsibility to do meaningful and valuable work because I was given an opportunity that my friends in Russia did not get.”

—OLGA HLAVATY-LAPOSA

ready had one child.

“The hardest part of coming over to the United States was making the adjustment to a new country and also becoming a family,” Olga says. “The fact that I had my sisters by my side made the process much easier. We leaned on each other for support, and I think that is what I liked most about our new life here – my sisters were with me. ... We are all very close and I couldn’t imagine not having them in my life.”

While Olga and her sisters built new lives, their new parents were looking back to their Eastern European roots. They were on the board of directors of an organization called For the Children, which served children from Ukraine who had been affected by the 1986 Chernobyl nuclear disaster. American families hosted these children for the summer, not only housing and feeding them, but making sure they received medical, dental, and vision care.

Olga had started working for a dentist when she was 19. “He was kind enough to provide free dental care to many of the children that stayed in the United States through the organization. Most of the children that stayed with us through the organization had never seen a dentist and had overwhelming medical and dental needs.”



Olga Hlavaty-Laposa enjoys both pediatric and general dentistry.

“That truly was the moment when my interest in dentistry started,” she says. “I was also going to college while I was working, so I had the opportunity to explore other interests like psychology, engineering, and health administration, but I truly enjoyed working in the dental field the most.” She graduated from UW Bothell with a degree in community psychology and started giving serious thought to becoming a dentist.

“It was a bit of a scary decision, because I was working almost full time while attempting to complete my BA,” she says. “It certainly was not an easy path, because most people who work while in school will tell you there is little sleep and lots of work.”

Now she’s close to realizing her goal. After graduation, she may split her time between pediatric and general dentistry. “I love working with a pediatric population, but also enjoy the complexities of working on adults and addressing their oral concerns. I am also evaluating the idea of doing a GPR or AEGD because I find both can be extremely valuable if it’s the right program.”

No matter what, she’ll still work with For the Children, not only providing dental care directly but helping in other ways, such as lining up host families.

“I feel I have a sense of responsibility to do meaningful and valuable work because I was given an opportunity that my friends in Russia did not get,” she says. “My parents have been incredibly supportive of my goals and ambitions. There were so many people along the way that went above and beyond to ensure I succeed.”



Olga (standing, second from right) and her birth sisters with their adoptive family

“This was the first time I got to be in an environment that rockets were flying over my head all day long.”

—OMRI MARGALIT

OMRI MARGALIT

Much gets thrown at our students very quickly, but it’s nothing like what Omri Margalit of our Class of 2021 used to face: rocks, bricks, Molotov cocktails.

As a native-born soldier in the Israeli army, Omri undertook mandatory service from 2005 to 2008 that sent him into all kinds of tense situations. “I served mostly in the West Bank, but also spent some time on the Israeli-Lebanese border and a short time on the border with Gaza,” he says.

While he was training as a noncommissioned officer in 2006, he served at the fence between Gaza and Israel. “This was the first time I got to be in an environment that rockets were flying over my head all day long,” he says. “At first, every whistle and every explosion in the distance makes you uncomfortable, but as time goes by you get used to it.” He spent six more years in the reserves after his active duty.

At a job fair for newly discharged soldiers, he came across a Jewish Agency for Israel booth. The agency was seeking volunteers to be summer camp counselors in North America, and Omri was eventually assigned to Tucson, Ariz. The job came with a bonus: At the camp, he met his future wife, Rachel.



Omri is shown on duty near Hebron in the West Bank in 2014.



Omri Margalit is interested in interdisciplinary practice.

He had received his undergraduate degree at Tel Aviv University, and took his dental school prerequisites in Arizona. It had taken him a while to view dentistry as a calling, though.

“When I was a kid, I used to be petrified by dentists, and we always had to travel to a nearby city in order to get seen by a pediatric dentist,” he says. “When I started my undergrad, I thought I wanted to go to medical school, but very quickly I realized that there are too many things in medicine that are not for me. One of my friends at work was attending dental school at the time and opened my eyes to the field.”

A DDS is still more than two years away, but he has an idea of what he wants to do. “I hope to specialize in prosthodontics, but I also know I need more exposure to all fields of dentistry and give them all a try before making a final decision. I hope to have big specialty clinic with my friends that we can all together serve all of our patients’ needs without having to make them jump around between different specialists and locations. That will also help me with being able to have very meaningful outreach and volunteering events for the community here in Seattle that so far has been nothing but welcoming and warm to my family and me.” He and Rachel now have two young boys.

Some of the lessons he learned as a soldier will serve him well as a dentist, he believes. “I remember many challenges that I can look back to and think of how complicated things can get, and how important it is to keep a high level of training and alertness.”

LIZ FLOODEEN

When it comes to four-handed dentistry, Liz Floodeen of our Class of 2019 should be a natural. As a symphony musician, she already knows the ins and outs of ensemble work.

“It is so fun to play and each take turns playing together and then taking the lead to stand out. It’s like a wonderful dance of sound.”

—LIZ FLOODEEN



Liz Floodeen (far left) has played the oboe professionally with symphonies and other groups.

An oboist, Liz has played with the Tacoma Symphony, Northwest Symphony, and Tucson Symphony and has backed up performers such as Ronnie Milsap, Judy Collins, and Bernadette Peters. Even with the demands of dental school, marriage, and a toddler, she’s found time to play with the Washington Wind Symphony of Redmond. She’s a top performer in school too – recipient of an Omicron Kappa Upsilon scholarship this spring.

Liz, whose family moved to Redmond, Wash., when she was 4, received dual degrees in biology and music performance at Pacific Lutheran University, and then a master’s in music performance at the University of Arizona. Her dad was a Navy general dentist who went on to complete an oral and maxillofacial surgery residency. After retiring from the Navy, he entered private practice and is now mostly retired. He also taught at our School as an affiliate faculty member for several years. Mom has been a high-school English teacher, scientific journal editor, and freelance writer, and holds a master’s in pastoral arts and a doctorate in ministry. She has worked with several ministry organizations.

Liz says she most enjoys playing in a wind quintet: flute, oboe, clarinet, horn, and bassoon. “My favorite thing about playing with this type of group is how all of the different parts fit together. Each instrument lends a different voice and color, and sometimes instruments combine in different ways to make an entirely new tone. It is so fun to play and each take turns

playing together and then taking the lead to stand out. It’s like a wonderful dance of sound.

“And when it’s time to perform, I absolutely love the adrenaline and energy that gets added to the music. It’s a fantastic feeling to walk out onto the stage in the spotlights and then make beautiful music together. Perhaps the best feeling is releasing the final note after a great performance and listening to it echo, holding your breath, and waiting for the applause. There is that brief moment of silence before hands start clapping where you know you have just accomplished something wonderful.”

As powerfully as music still attracts her, she knew after getting her master’s that she didn’t want that to be her career. After Arizona, she worked for her father’s practice in Kirkland, Wash., as a surgical assistant, which tugged her toward oral and maxillofacial surgery. “I absolutely love surgery, and here is a profession where I can both support my family and make an impact in my community,” she says. “I enjoy working with people and helping them, especially those with urgent or emergent needs and dental anxieties.”

After getting her DDS, she plans to enter an OMS residency. “Through the last three years, I kept an open mind to other specialties, but I have discovered I love surgery more than anything else. ... Right now I am most interested in trauma and reconstruction, but I have a feeling once I enter a residency I will learn about many other facets of the field that I enjoy as well.”

Count on this: Her patients will be in very skilled hands.



She hopes to enter an OMS residency.

“I wanted a career that rewarded me for my efforts and where I had the ability to make an impact on people.”

—RYAN WAHLIN

RYAN WAHLIN

Dentists, of course, have to be adept at business. And Ryan Wahlin of our Class of 2020 should feel right at home after spending more than a decade in corporate finance before dental school.

He majored in finance at the University of Minnesota, then landed a spot as a financial analyst at Honeywell in Golden Valley, Minn. He moved to Seattle in 2005 “for the mountains, ocean, and a girl – Michelle.” They’d met in San Diego while she was finishing college there.

“I figured if things did not work out with the girl, at least I’d still have the mountains and ocean nearby,” he says. But it worked out very well indeed, and the two were married in 2007. Now they have one son and another on the way.

In Seattle, he went to work for Northwestern Mutual as a financial planner. But after nearly nine years, he’d grown restless. “The question was no longer whether I could make it in the business, but rather ‘Is this where I want to hang my hat for the rest of my working life?’” Even at Honeywell, he’d had doubts. “Being part of a multibillion-dollar company, it was hard to feel like I was making a significant difference. I wanted a career that rewarded me for my efforts and where I had the ability to make an impact on people.”

As a kid, he’d loved going for checkups – “I thought the dentist was where you went to play with Legos.” As a high school freshman, he’d scored in the 95th percentile on an aptitude test for finger dexterity, and dentistry was one of the careers suggested to him. In 2013, he began volunteering with Medical Teams International, and his time in the dental van made an impact. “It has been a great learning experience and very rewarding to be part of a greater cause.”

With him and Michelle raising their family in Seattle, our School was a natural choice. Michelle grew up in Mount Vernon, Wash., with her family and friends still within easy reach. She also teaches chemistry at Seattle’s Lakeside School.

“UW was my first choice and the only dental school I



Ryan Wahlin during his buttoned-down days at Northwestern Mutual

applied to,” Ryan says. “I feel very privileged to live so close to and attend one of the most well-respected dental schools in the nation.”

Now he’s on his way toward fulfilling his lifelong wish to own his own business. He’s on an Air Force scholarship, and after fulfilling his commitment once he graduates, he plans to move back to Washington. He hopes to own a practice, perhaps in a rural area.

“I cannot think of a more fulfilling career that will allow me to put my life’s experience and business background to use while enabling me to work with my hands,” he says. “It has taken me many years to come to the conclusion that dentistry is my place in life, but as one dentist told me, ‘It is never too late to make your life’s enjoyment your life’s employment.’”



“I feel very privileged to live so close to and attend one of the most well-respected dental schools in the nation,” Ryan says.

“I was drawn to RIDE because I foresee myself working in rural and underserved clinics.”

—JAMES LOVELACE

JAMES LOVELACE

“During my childhood, I can tell you I never dreamed of dentistry,” says James Lovelace of our RIDE Class of 2021. “More like race car driver or fighter pilot.”

California-born James’ childhood was anything but ordinary. His father was a Navy Seabee non-commissioned officer who married a woman from Taiwan. When Dad went off on deployments, James and the rest of the family would move back to Taiwan and stay with his mom’s family. “I have some great memories of living there,” he says. “It was also a good jumping off point for touring many other parts of Asia, but I still have lots to see.”

The family eventually made its way to Washington, where James’ father retired to Marysville; his mom died from breast cancer in 2011. In high school, James entered the Running Start program, which lets juniors and seniors take college courses. Although he’d considered a career in information technology, Running Start piqued his interest in dentistry. “I realized that I enjoyed the basic sciences, with a special interest in human physiology and microbiology,” he says. “I also enjoy working with my hands, so dentistry seemed to be a great match to my natural interests.”

He completed dental hygiene training at Yakima Valley Community College in 2006 and went to work as a hygienist. He spent seven years working with the Tulalip Tribes, which was an eye-opening experience. “It has been a blessing and I have learned so much about dentistry from that practice,” he says. “It is a clinic that will provide care to any member of a federally recognized tribe. Thus for many it serves as a clinic of last resort. Caring for this population is a huge departure from your typical private practice setting, and to be honest, I find it more enjoyable, although it can be more challenging in many ways as well.” Along the way, he continued to work toward his BS in dental hygiene, which he earned in 2013.

“I have worked many locations in the King, Snohomish, and Skagit County areas,” he says. “I have enjoyed it and have seen how many practices operate. I think this will be a great addition to my own vision for a practice.” He’s also worked as a hygienist for the Navy, which was also useful. “This was a great chance for insight into care delivery with a large volume.”



James Lovelace with Dr Rama Oskouian at the Tulalip Dental Clinic

However, he’d wanted to be a dentist ever since he finished his initial hygiene training, and RIDE looked like an excellent match. “I was drawn to RIDE because I foresee myself working in rural and underserved clinics, as I have been working in such a clinic for many years with the Tulalip Tribe,” he says.

He sees a future for himself in periodontics: “I feel that this discipline is the most natural progression of my clinical experience – I have been treating and maintaining periodontal health for over 10 years. I am so excited to expand my repertoire of treatment modalities.” He looks forward to starting a practice or traveling to rural clinics around Washington.

Working in rural and underserved areas is especially appealing, he says. “I think care in these facilities is much

more enjoyable for me, because we get to make such a profound difference for people.” ■



James (foreground) with his RIDE classmates

Dr. Wendy Mouradian, who created our nationally recognized Regional Initiatives in Dental Education (RIDE) program, fully retired from the School this spring. In 2014, Dr. Mouradian stepped down from her full-time post as Associate Dean for Regional Affairs, Curriculum, and Educational Technology, but continued to serve part time as an advisor on curriculum revision, interprofessional education, and RIDE. To date, RIDE has returned more than 70 percent of its graduates to practice in rural and underserved areas of Washington, and has been honored with a Gies Award, dental education's highest distinction. A pediatrician by training, Dr. Mouradian was an early advocate for involving pediatricians in oral health care, and in 2008 organized the first national summit meeting on children's oral health in collaboration with the American Academy of Pediatrics. She also played a significant role in the landmark 2000 U.S. Surgeon General Report on Oral Health in America. In her honor, her colleagues have created the Wendy Mouradian Fund for Excellence for RIDE to support new initiatives and areas of greatest need in the program. Donations can be made at <https://dental.washington.edu/alumni-friends/give/make-a-gift/>.



Dr. Mouradian looks on at her retirement celebration in June as colleagues honor her achievements.



Dr. John Sorensen of Restorative Dentistry received the 2018 Kaplan Scholar Award from the University of Florida College of Dentistry. This is an annual lectureship with multiple presentations to specialty program students, faculty, Restorative Sciences Department, pre-doctoral students, and alumni, and culminates in the school's Spring Synergy research day. Dr. Sorensen also received the Clinician/Researcher Award from the American College of Prosthodontists, which also honored Dr. Chandur Wadhvani of our affiliate faculty with a Distinguished Lecturer Award.



Dr. Daniel Chan, Chair of Restorative Dentistry, was inducted into the American Institute for Medical and Biological Engineering's College of Fellows. Fellowship honors those who have made outstanding contributions to engineering and medicine research, practice, or education, and to the pioneering of new and developing

fields of technology, making major advancements in traditional fields of medical and biological engineering, or developing/implementing innovative approaches to bioengineering education.

Dr. Greg Huang, Chair of Orthodontics, is co-editor for the newly released second edition of the textbook Evidence-Based Orthodontics, which delineates the principles and practices of the title subject. The new edition, published by Wiley, adds several sections to make it easier to

use as a quick and comprehensive reference. It also includes practical strategies for incorporating evidence-based orthodontics into daily practice. Co-editors were Dr. Stephen Richmond of the Cardiff University School of Dentistry in Wales, U.K., and Dr. Katherine W.L. Vig of the Harvard School of Dental Medicine.



The Institute of Translational Health Sciences (ITHS) highlighted dental studies conducted by two investigators through our Regional Clinical Dental Research Center (RCDRC). **Dr. Christy McKinney** of the Oral Health Sciences adjunct faculty was principal investigator for "Impact of the Seattle Sugar Sweetened Beverage (SSB) Tax on Dental Caries in Adolescents," which was the first study to examine the impact of a tax on dental caries. Dr. McKinney worked with a consortium of partners including Seattle Children's Hospital, ITHS, RC



DRC, Delta Dental, and our School that put the study out in just over six months after collecting baseline data on 454 adolescents. Also highlighted was research by **Dr. Peter Milgrom** of Oral Health Sciences, whose studies of silver diamine fluoride resulted in "breakthrough therapy" designation by the Food and Drug Administration.

Dr. Susanne Kölare Jeffrey joined the Department of Restorative Dentistry faculty in July, with responsibilities in comprehensive care supervision as well as the geriatric rotation. Dr. Jeffrey has also held an appointment in our Department of Oral Health Sciences, where her research interests have included saliva as a diagnostic fluid. ■

DR. GEORGIOS KOTSAKIS

Assistant Professor of Periodontics

A researcher who sees the big picture

As a teacher and a clinician, Dr. Georgios Kotsakis of Periodontics sees the trees. As a researcher, he sees the forest, and it's quite a view.

Dr. Kotsakis, who joined our faculty in 2015, conducts big-picture studies, such as his collaboration with dozens of other researchers worldwide that resulted in an article in *The Lancet Public Health* in July. Dr. Kotsakis, the article's corresponding author, and his colleagues documented the devastation that harsh austerity measures wrought on Greece's public health, including a spike in mortality rates. They relied on data from the 2016 Global Burden of Diseases, Injuries, and Risk Factors (GBD) study by the UW's Institute for Health Metrics and Evaluation.

"We're not just researching one aspect of the translational spectrum. We try to get from conception to human applications to population-level health," Dr. Kotsakis says. "At the population level, we can really see the importance of oral health."

The GBD study was a powerful tool to drive that message home, showing that oral diseases are among the world's most prevalent non-communicable diseases.

Dr. Kotsakis has a strong focus on epidemiological aspects of periodontal and peri-implant diseases. "The accrued data says that periodontal disease requires treatment by a dentist, but it really falls into a class of non-communicable diseases that should be considered a continuum based on inflammation," he says.

He's also curious about diet and periodontal disease. "We know diet's effect on caries, but we haven't really looked closely at its effect on periodontitis," he says.

His attention is further drawn to peri-implantitis, which occurs around implants and produces inflammation, bleeding, and bone loss. It's a relatively new disease that he says was not really acknowledged until the '90s.

"We don't specifically know the cause," he says. "We've been trying to treat it like periodontitis, but that doesn't always work well. We're starting from scratch in trying to re-define peri-implantitis and develop new treatment. The UW

is becoming a center for this research." He sees the potential for a breakthrough in the possibility that dentists treat the disease in a way that damages the implant surface and may perpetuate the inflammation.

He has also conducted pre-clinical and clinical studies that investigate bone response to host-related factors, such as diabetes, and to local factors, such as titanium surface contamination and osteo-stimulative biomaterials.

Born in Athens, Greece, he found that dentistry and research came naturally to him. Both parents and two of his uncles are dentists, and he practiced with his parents for a spell after earning his DDS at the University of Athens in 2009. "It's interesting," he says with a smile. "You're not used to looking at them as colleagues."

Science was an early passion, too. "I always had curiosity about scientific discovery, and spent a lot of time in the library doing extracurricular reading in my interests," he says, with biology high on the list. Periodontology was an attractive field, he says, with its strong link between biology and clinical applications.

One of his current collaborations is with the UW Department of Global Health on the university's Population Health Initiative project in Peru. His lab is trying to find ways to assess periodontal disease in limited-resource settings,

especially in low-income to middle-income countries.

It's quite a challenge, he says. "A standard periodontal exam takes about 30 minutes to do correctly with good lighting and proper technique, training, and calibration. Imagine doing that in a poor favela!" Apart from his research, he thrives on the rewards of teaching. "I was inspired to get into academic dentistry by my mentors," he says, and now "I really enjoy mentoring younger dentists." He was thrilled when Dr. Rachel Black and Dr. Katherine Roll, who finished their Perio residencies here this year, became two of the four national finalists for the American Academy of Periodontology's biggest research prize, the 2018 Balint Orban Memorial Award.

"Nothing gives me greater gratification than that," he says. ■





DR. E. DAVID ENGST

Making a world of difference

At the age of 56, after 26 years as an orthodontist, Dr. E. David Engst ('72, Ortho '77) of Bellingham, Wash., sold his practice in 2003 to take up travel.

He didn't envision sightseeing. In the years since then, Dr. Engst has treated thousands of patients as a dental humanitarian in Honduras, Nicaragua, Mexico, the Dominican Republic, Cambodia, and the Philippines. He has worked in river communities in remote jungle areas that have never seen a dentist. He has treated Mexican Zapatista rebels in an abandoned hospital. After the Honduran military coup in 2009, he moved his operation from Latin America to Asia. He now spends about six months per year in the Philippines, often with army soldiers standing guard outside his clinics. He also has taught at the new dental school in Phnom Penh, Cambodia.

In the Philippines, he has written, "I now work solo, setting up my clinic in a school, church, and sometimes outside under a palm tree. I have made my own portable dental chair and adapted other equipment.

"Every day is an adventure. Often I feel like I am 'living on the edge.' I have survived countless mosquito bites, diarrhea, a hurricane, and have been robbed at gunpoint."

Even at that, says a friend and colleague, Dr. Engst minimizes the risks he has faced and continues to face. In an article in this summer's *Pacific Coast Society of Orthodontists (PCSO) Bulletin*, Dr. Allan Van Ness of our Orthodontics affiliate faculty said that Dr. Engst's life has been threatened several

times. "Also, the Philippine Special Forces unit that recently accompanied David had lost two members the week before in skirmishes with ISIS-backed militants," Dr. Van Ness said.

Dr. Engst paints a vivid picture of what he faces, as with his work in Honduras' La Moskitia region along the Mosquito Coast. There, he says, the Honduran Navy provided an escort in motorized canoes. The guards carried machine guns and grenade launchers because the area has no local police and is a hub of drug trafficking.

In his work abroad, Dr. Engst focuses on the most urgent need, practicing oral surgery rather than orthodontics. To prepare, he returned to our School after selling his practice to study as a fellow in the Department of Oral and Maxillofacial Surgery, which let him customize his post-doctoral program.

"I studied late into the night and spent hours at my dining room table, practicing on my suture board," he told the *PCSO Bulletin*.

Even for an experienced dentist, the pace in a humanitarian clinic can be breathtaking. "I try to remove an average of 15 teeth per hour," he writes. "Full-mouth extractions are often indicated." At the same time, he has maintained a high standard of care, with only one minor postoperative infection in his last 3,000 extractions.

Emergencies are rare, he told the *PCSO Bulletin*, "but over the last decade I have administered every emergency drug in my kit."

Along the way, he has worked with a variety of colleagues, including a non-governmental group from the University of Cincinnati College of Medicine and faculty from Havana's Latin American School of Medicine.

In May, the American Association of Orthodontists (AAO) recognized Dr. Engst's work with its 2018 AAO Humanitarian Award. The award, which recognizes significant contributions to improve the quality of human life extending beyond the usual scope of private orthodontic practice, was presented at the AAO's annual session in Washington, D.C.

"My work gives me immense personal satisfaction," he told the *PCSO Bulletin*. "I volunteer because I enjoy the work and because the people are so grateful."

"I feel privileged to have Dave as one of my closest friends," Dr. Van Ness told the *Bulletin*. "The honor of the AAO Humanitarian Award is well-deserved."

Dr. Engst might also deserve an award for understatement. As he writes: "Traveling with dental instruments is a challenging and satisfying way of meeting people in places unseen by regular tourists." ■

"My work gives me immense personal satisfaction."

"I volunteer because I enjoy the work and because the people are so grateful."

Above: Dr. E. David Engst with some young friends

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ROD WENTWORTH AND JILL DEMARCO

Doing the right thing by our School

Dr. Rod Wentworth ('81) has a long-standing reputation for doing the right thing – and encouraging others to do it as well. President of the Washington State Dental Association from 2011 to 2012, the Bellevue general dentist teaches dental ethics at our School, and has served on the American Dental Association Council on Ethics, Bylaws and Judicial Affairs. He has also chaired WSDA's Committee on Judicial Affairs, Ethics, and Peer Review and Seattle King County Dental Society's Ethics Committee.

Now he and his wife, Jill DeMarco, feel that the right thing is to present the University of Washington with a gift of

their entire estate upon their passing, to be divided equally between our School and the UW Department of Human Centered Design & Engineering at the College of Engineering. At our School, they hope that their gift will establish an endowed professorship, which would be awarded to a faculty member teaching professional ethics and jurisprudence. At the same time, they want to support our Oral Medicine faculty. Dr. Wentworth explains:

"Both of us feel fortunate to have had a phenomenal educational experience at the UW – Jill with her master's from the College of Engineering, and I as an undergraduate and UW School of

Dentistry [graduate]," he says.

"I have been impressed with the dedication and hard work of the faculty, particularly with the change in curriculum. Serving on the Curriculum Committee as the Ethics and Professionalism Thread Champion cemented my admiration of these dedicated individuals. I've seen firsthand what they do for the school and felt the need to contribute for the future."

Oral Medicine, furthermore, has always been close to his heart, he says. "Spending 10 years in the Dental Urgent Care Clinic alongside the late Dr. Micki Griffith was a joy. Drs. Ed True-love, Mark Drangsholt, Bea Gandara, Rolf Christensen, Michael Martin, and David Dean all made me feel welcome and are great mentors.

"The Oral Medicine faculty has also really embraced incorporating dental ethics into their courses. To that end, our gift is earmarked to fund Oral Medicine faculty that will focus on teaching dental ethics and professionalism."

Dr. Wentworth knows that the gift from him and his wife is especially meaningful at this particular time: "We all know the financial challenges the school faces. I also am proud of how the School of Dentistry has continued to rank as a top school internationally. Our gift is a drop in the bucket of what is needed, but if we all can do just a little, the sum will help future generations get the high-quality education we received." ■



Dr. Rod Wentworth and his wife, Jill DeMarco, will support our School with a major bequest.

Want to know more?

If you would like more information about a planned gift to our School, please contact Doug Day at daydoug@uw.edu or Greg Croak at gcroak@uw.edu.

The History Project

Remembering our School, our people, our times

The History Project captures the memories of our alumni and selected senior or emeritus faculty members, with excerpts appearing in the Dental Alumni News. To see the full versions, please go online to <https://dental.washington.edu/>. Click on “Connect” in the “Alumni & Friends” pull-down menu, then look for “History Project.” If you’d like to share your memories, please send a note to ss55@uw.edu with “History Project” in the subject line.

Dr. Norbert Hertl *Endodontics Class of 1979*

Dr. Norbert Hertl served on our affiliate faculty for two decades. He also collaborated with the late Dr. James Steiner on a detailed history of our Department of Endodontics, a link to which can be found on the department’s homepage at <https://dental.washington.edu/dept-endo/>. Here he shares his memories, which include many of the department’s most iconic figures.

As a refugee of World War II and a young immigrant from Germany living in Huntsville, Ala., with my sister’s family, I joined the U.S. Air Force in 1962. After some training, my sergeant made it possible for me to go to a course for dental assistants instead of becoming a medical orderly. My four years in a large dental clinic at Langley Air Force Base in Virginia were very enjoyable and educational. My work habits seemed to please the oral surgeon who was stationed there. He recommended that I take college courses in the evening offered by the College of William and Mary, and he encouraged me to apply to Ohio State University, where he had attended. He also offered financial help if I should need it.

After a bachelor’s degree in zoology at Ohio State University, I still hesitated to take on the daunting task and cost of dental school. The National Forest Service could be another option. I applied to dental school anyway and was



accepted. Ironically, on the first day of class I read a note on the inside of my locker door: “It is never too late for forestry.”

My study habits and my interest in the subject helped me graduate in 1973 near the top of the class of 150. There were no women or students of color.

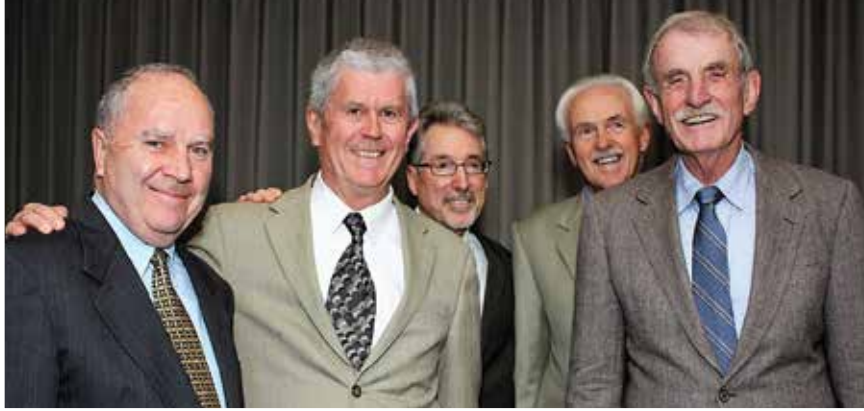
After four years as a dentist in the Public Health Service in Boston and Washington, D.C., I was accepted to the Graduate Program in Endodontics at the University of Washington in 1977.

We learned to no longer rely only on textbooks but on research data, which

should be the basis for our textbooks and for the treatment of our patients. We were encouraged to do our own research project, which I did under the patient guidance of Dr. Henry Van Hassel and Dr. Jack Nichols.

Our training was consistent, detailed, all-encompassing, research-based, firm, and kind. Dr. Eugene Natkin, the chair of the department, was on sabbatical during my first year. Dr. Gerald Harrington was in charge with the support of Dr. Robert Oswald, Dr. Van Hassel, and Dr. David Pitts. Their knowledge and patience seemed endless. We were treated with respect. I don’t remember any major disagreements or unkind words. They made the lectures interesting, the seminars stimulating, and they gave us much freedom while treating patients. Dr. Harrington was an expert in providing us with patients with the right difficulty level to match our abilities.

Dr. Van Hassel had a PhD in physiology and biophysics. He was on the full-time faculty from 1967 to 1981. We benefited greatly from his recent research and expertise in pulp physiology. I always admired the precision of his scientific arguments. He was a great calming influence during the frustrating periods of my research project. Between 1965 and 1980, the U.S. Public Health Service sent one commissioned officer



From left: Dr. Gerald Harrington, Dr. Hertl, Dr. David Pitts, Dr. Robert Oswald, and Dr. Eugene Natkin at Dr. Pitts' retirement celebration in 2009

per year to our program and paid all the expenses. Dr. Van Hassel was the first student from the Public Health Service to graduate, in 1967. It was my turn from 1977 to 1979.

Dr. Harrington had been on the faculty since graduating from the program in 1969. He seemed to know every endodontist on the faculty of other dental schools and every major researcher in dentistry. He also seemed to know every pertinent research article ever published which related to our field. He was able to pass on his knowledge and wisdom in such a gradual and measured way as to not overwhelm us and make us feel discouraged. No one will ever know how he found the time to teach all the courses, do all the research, write all the articles, supervise all those students, and fulfill all his administrative duties as Director of the Endodontic Graduate Program and later as Chair of the department.

Dr. Oswald had joined the faculty in 1974 after graduating from Columbia University. He was very involved in research at the time of my stay, but always had time for us. He was very patient and supportive in the clinic. I remember his many debates with Dr. Van Hassel on various subjects. After I entered private practice, we met for several years on the ski slopes of Mis-

sion Ridge during our yearly ski-endo meetings which he helped to organize.

Dr. Pitts had just graduated from the program and joined the faculty in 1977. I remember him mostly from the clinic where he patiently guided us through difficult procedures. I still remember his demonstration of the best way to trim a gutta percha point and the proper time to dip it into chloroform before forming it in the root canal.



Dr. Hertl and Dr. James Steiner in 2009

Dr. Natkin was back during my second year in the program. He had this wonderful combination of extensive knowledge in his field and the ability to transmit it to students during lively and stimulating lectures. I remember attending some of his lectures to the undergraduate dental students just

because I enjoyed his style of teaching. In 1962 he was the first graduate of the program. He joined the faculty in that year and became Chair in 1967. One of his many accomplishments that benefited students was the development of self-instructional syllabi for the pre-doctoral courses. We graduate students also had to read them, and we gained a great deal of detailed understanding in our field. It was a pleasure to attend lectures on his favorite topic, dental radiology.

Dr. John Ingle was Chair of the Department of Periodontics and Endodontics from 1959 until 1964. He created the Graduate Program in Endodontics in 1959. In 1964 Dr. Ingle left to become Dean of the School of Dentistry at the University of Southern California. I remember attending several of his lectures during his many return visits to Seattle. He also used some of my clinical cases for his textbook on endodontics.

For about 20 years while in private practice, I volunteered as an Affiliate Associate Professor, supervising graduate students in the graduate clinic. It was a small way to pay back what the School had done for me. My other contribution to the School was in 2012, writing the history of the Department of Endodontics, which Dr. James Steiner and I had started but which I had to finish after his death in 2010. All of the above-mentioned faculty and the new faculty members under Dr. James Johnson, the new Chair, were of great help in this project. Dr. Steiner also joined my Rotary Club in Edmonds after his retirement.

Students can never thank their teachers enough for the positive impact they have on their lives. Teachers should know that students are very thankful and appreciative but don't often take the time to express it. ■



SCHOOL OF DENTISTRY
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The UW School of Dentistry relies on the annual contributions from our many Business Partners in support of students, faculty and programs. We encourage alumni and friends to consider these organizations that give so generously to our School.

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With the Washington Dentists' Insurance Agency (WDIA), our state's dentists know they have a partner they can rely on. So does our School of Dentistry.

WDIA is one of our Business Partners – a group of businesses serving the dental community who also directly support the School and its faculty, students, and programs. In an era of decreased state funding, this kind of support has been critical to the School's mission.

Students get to know Matt French, WDIA's Director of Insurance Services, and Kerri Seims, Assistant Director of Insurance Services, while they're still in school. After graduating, they can then turn to WDIA to protect their livelihood as they enter the world of practice.

French says: "As a subsidiary of the Washington State Dental Association, WDIA has a mission to serve



WASHINGTON DENTISTS' INSURANCE AGENCY

the dental community. For dentists in practice, this means selling insurance products that best serve the needs of Washington dentists.

"Being a Business Partner gives WDIA the opportunity to support



the profession by helping future dentists become strong members of organized dentistry. As part of the dental community, WDIA wants to encourage students to become leaders in the dental profession when they graduate and take an active part

in the future of dentistry in Washington state.

"WDIA also supports dental students by ensuring that all students will be able to excel in the dental profession and be able to purchase practices. WDIA has brokered disability programs that guarantee students disability coverage when they graduate regardless of their health histories. Having their disability protection in place right after graduation helps new graduates protect themselves and their families while also having insurance in place that may be needed to purchase a practice."

"We're grateful to our Business Partners for their support," says Randy Newquist, Assistant Dean of Advancement and External Affairs. "WDIA and our other partners know the importance of dental education, and they show it in a very meaningful way with their contributions." ■

Kerri Seims and Matt French





A sampling of current studies at the School of Dentistry (some abstracts may be condensed)

Reducing Sugared Fruit Drinks in Alaska Native Children

PI: Dr. Donald Chi, Department of Oral Health Sciences

Funding: NIDCR

Yup'ik children in Alaska's Yukon-Kuskokwim Delta consume 50 teaspoons of added sugar each day, 16 times the American Heart Association's recommended maximum. Most of this added sugar is from sugared fruit drinks (mostly Tang and Kool-Aid) consumed at home. Consequently, Yup'ik children experience tooth decay rates that are 16 times the U.S. average and suffer from oral health inequalities compared with children from better-off communities. We propose a two-arm quasi-experimental behavioral trial in three rural Alaska Native communities to test the hypothesis that community health worker-led health education and self-efficacy training for caregivers will decrease child added sugar intake. The specific aims are to: (1) refine and finalize the health promotion intervention; (2) implement the intervention and determine outcomes; and (3) identify intervention improvement strategies and disseminate findings. The primary outcomes at the child level are sugared fruit drink intake (caregiver-reported 24-hour recalls) and added sugar intake (through a validated, non-invasive biomarker) measured at baseline and at 1, 3, 6, and 12 months. Secondary outcomes include percentage of total energy intake from added sugar and caregiver self-efficacy to provide alternatives. This work has the support of the Yukon Kuskokwim Health Corporation, which will maintain and disseminate the program if it is effective.

The Effect of Peri-Implantitis on Innate-Like T Cell Function and Antibacterial Immunity

UW PI: Dr. Douglas Dixon, Department of Periodontics

Funding: NIDCR

Conducted in collaboration with investigators at Fred Hutchinson Cancer Research Center

The aim of this proposal is to determine the functional state of human MAIT cells during peri-implant diseases. MAIT cells are a specialized T cell subpopulation that uniquely responds to bacterial metabolites via the invariant T cell receptor (TCR) through MHC-related protein 1 (MRI). Once activated, MAIT cells rapidly acquire effector function and secrete pro-inflammatory molecules such as interferon- α and also have the ability to directly kill target cells by secretion of the cytolytic molecule granzyme B. The research will initially determine the functional

state of human MAIT cells, ex vivo (AIM 1) by comparing the differences in gene transcription between MAIT cells collected in peripheral blood (naïve) vs. tissue (activated) via RNAseq analysis. It will then try to determine if proximity to the implant surface controls MAIT cell functional responses utilizing laser-capture microscopy and RNAseq techniques and analysis (AIM 2). This study will help determine if a newly identified T cell population (MAIT cells) that has been isolated from peri-implant tissues is hyper or hypo-functional. This research will fill a critical gap in our understanding of how host T cells contribute to the initiation, amplification or propagation of the inflammatory response during peri-implant diseases and help develop therapeutic regimens designed to mitigate the destructive component of the host response.

Investigation of Periodontal Ligament Mechanics under Orthodontic Tooth Loading: A Combined Fiber Optic Experimental and Mechanical Modeling Approach

PI: Dr. Tracy Popowics, Department of Oral Health Sciences

Funding: American Association of Orthodontists Foundation

In the use of orthodontic treatment to correct tooth misalignments, the response of the periodontium to the applied loads is of great interest. In particular, the induced stress-strain state within the periodontal ligament (PDL) is critical in that it drives the bone remodeling that allows for tooth movement during treatment. While this heightened stress-strain state is necessary to generate tooth movement, it is also critical that it not surpass an upper threshold where detrimental effects such as root resorption arise. While significant research in the literature exists towards the experimental and theoretical investigation of the PDL mechanical response to applied loading, a comprehensive program directly linking the mechanical response to stimulated biological effects remains elusive. The overarching focus of this Center Award is to develop a Center between the University of Washington and University of Alberta whereby rigorous ex vivo and in vivo experimental methods are coupled with advanced modeling techniques to couple mechanical and biological responses of the periodontium under orthodontic loading.

For details on any study at the School of Dentistry, contact Dr. Linda LeResche, Associate Dean of Research, at leresche@dental.washington.edu, or Mary Beth Cunningham at mec@u.washington.edu, or the principal investigator.

class notes



UW dental alumni celebrated a promotion at the Naval Branch Health Clinic at Naval Base San Diego in May. From left: Raoul Santos ('98), who was promoted to captain; Capt. Jeffrey Ant ('94), who is also with the Naval Branch Health Clinic; Cmdr. Garin Liu ('03), who is with Area Dental Lab San Diego; and Capt. Chad Lee ('96), who is with the Navy Dental Detachment supporting the Marine Corps Recruit Depot in San Diego.



■ CLASS OF 1972 (GRAD PROS)

Dr. David Wands, Olympia, Wash.: I achieved not only a personal record but the all-time Hoodoo Lodge record when I caught a 47-pound king salmon near Cold Bay on Alaska's Aleutian island chain early this summer. It measured 48 inches in length and 25 inches in girth, and took about half an hour to carefully bring it to the net. The photo shows my guide and friend Tony struggling to hold the salmon for the shot before we released it. And of course I plan on going again next summer!

■ CLASS OF 1989

Dr. Greg Plancich, Tacoma, Wash.: Dr. Plancich and his son Bryce went on Dr. Plancich's annual mission trip to Peronia, Guatemala, early this year. The trip, bringing oral health care to underserved communities, was organized through Spear Education's nonprofit Open Wide Foundation. Dr. Plancich and his son have now made the trip for seven years. More than 500 volunteers have provided care to more than 125,000 patients through the foundation.



reunions



■ CLASS OF 1973

The Class of 1973 held its 45th-year reunion on July 7 at Kris Overby's Tacoma home on Commencement Bay. Twenty classmates and 16 spouses or significant others attended, including people from Alaska, Idaho, Arizona, Florida, and Canada. There was no program, but Kris' three outdoor decks and multiple shops made for lots of time to tell embellished dental school stories and talk over old times and current ailments. Kris and his wife, Karen, put on a great steak barbecue with multiple salads. Kris took almost half of the group on a trip around Commencement Bay in his boat. Kris generously funded the full expense and donated the money we had collected to the Dental Alumni Association.



■ CLASS OF 2002

The Class of 2002 had a class reunion on June 2 at the home of Theron Manson on Mercer Island. It gave everyone a great chance to catch up with each other and fun was had by all.

■ CLASS OF 2008

We had a great class reunion this summer at the Thompson Hotel in downtown Seattle. The event went from 7 p.m. to 11:30 p.m. It was heavy hors d'oeuvres and an open bar. About 75 percent of our class were able to attend. Many were from out of town and spent the entire weekend enjoying Seattle and getting together with classmates.



in memoriam

We are saddened to note the passing of classmates, colleagues and friends. For a fuller accounting of their lives, please go online to <https://dental.washington.edu/alumni-friends/in-memoriam/>.



DR. JOHN B. HOLMES
CLASS OF 1954

Rear Adm. John Bernard Holmes, Dental Corps, U.S. Navy (Ret.), a board-certified prosthodontist, passed away on Feb. 23, 2018 in Lowell, Vt. He was 88. Dr. Holmes commanded personnel for naval dental operations of the Atlantic Fleet and retired after 28½ years of military service. He then served as Associate Dean and Clinical Professor of Restorative Dentistry and Chairman, Division of Removable Prosthodontics at the University of California, San Francisco dental school. He taught at the Loma Linda dental school residency program before retiring in his late 70s. His 1970 paper "The Altered Cast Impression" remains a standard in dental school textbooks.



DR. THOMAS H. MacGEORGE
CLASS OF 1954, ORTHODONTICS CLASS OF 1964

Dr. Thomas Hamilton MacGeorge passed away peacefully on March 4, 2018, surrounded by his family. He was 90. He began his 26-year career in orthodontics in Shoreline, Wash.



DR. ROY S. MAR
CLASS OF 1956

Dr. Roy S. Mar passed away on March 14, 2018, surrounded by his closest loved ones. He was 90. Dr. Mar became the first Chinese-American to graduate from the School of Dentistry. He established his successful practice on Beacon Hill and retired in 2013. For numerous years, he was active in the Seattle-King County Dental Association, holding various positions, including president.



DR. RONALD S. GUSA
CLASS OF 1957

Dr. Ronald Stuart Gusa passed away at his home in Mill Creek, Wash., on July 1, 2018. He was 85. He practiced for more than 40 years on Queen Anne Hill. He was especially proud of his involvement in The Academy of R.V. Tucker Study Clubs.



DR. WILLARD J. FILION
CLASS OF 1961

Dr. Willard J. Filion passed away on Feb. 1, 2018, surrounded by his immediate family. He was 87. He practiced in the Tukwila, Wash., area for 53 years.



DR. CARL N. COLLIER III
CLASS OF 1971

Dr. Carl Nathaniel Collier III passed away on June 27, 2018 in his Sunriver, Ore., home after a courageous battle of nearly seven years with metastatic prostate cancer. He was 73. Dr. Collier started and maintained a dental practice in Bothell, Wash., for more than 35 years. He was active in the Bothell community and enjoyed nearly 20 years with the Connecticut Dental Study Club.



DR. DONALD SOLTERO
CLASS OF 1972, ORAL MEDICINE CLASS OF 1977

Dr. Donald "Don" Soltero passed away on May 19, 2018 in Issaquah, Wash., with his three daughters at his side. He was 72.



DR. WILLIAM BETHEL
CLASS OF 1974

Dr. William Bethel passed away on March 16, 2018 at his home. He was 69. Dr. Bethel opened his practice in 1974 in Renton, Wash., and for 44 years considered his staff and generations of patients as family.



DR. CECIL M. FITZGERALD
CLASS OF 1974

Dr. Cecil Michael "Mike" Fitzgerald died peacefully on Feb. 5, 2018 in Ketchikan, Alaska. He was 77.



DR. EUGENE CHOY
PROSTHODONTICS CLASS OF 1976

Dr. Eugene Choy passed away on April 6, 2018. He was 79.

SPOTLIGHT COURSE

■ SATURDAY, NOV. 17

How to Eat Candy

(offered in partnership with Washington Academy of General Dentistry)

Depriving cariogenic bacteria of sugar is the cornerstone of traditional caries management, yet the science of CAMBRA (Caries Management By Risk Assessment) takes cariology to a whole new level. If you're still telling patients to "brush, floss, and use fluoride toothpaste," you're going to be surprised by the myriad of treatment options available today. *Streptococcus mutans* has more to fear than stronger fluoride and more of it, as dentistry embraces oral health care.

LOCATION: UW Health Sciences Center, Room D-209

TIME: Registration and continental breakfast: 8-8:30 a.m.

COURSE: 8:30 a.m.-4:30 p.m.

TUITION (includes lunch) Until Oct. 31 (\$25 more after):
\$250/Dentist
\$150/Team member (RDH, DA, front office staff)



INSTRUCTOR:

Brian Nový, DDS

Since graduating from Loma Linda University School of Dentistry, Dr. Nový has lectured around the world on dental caries and dental materials. He practices in Massachusetts at the DentaQuest Institute and has faculty appointments at Loma Linda University, Western University, and Harvard School of Dental Medicine. He has published numerous papers in journals including JADA and the Journal of Evidence Based Dental Practice. In 2016 he was appointed the consumer advocate on the U.S. Food and Drug Administration Dental Products Panel.

REGISTER: Download course application form at <http://dental.washington.edu/wp-content/media/conted/cde-gen-app-form.pdf> or register online with Washington Academy of General Dentistry (until Wednesday before the course) at <https://events.r20.constantcontact.com/register/eventReg?oeidk=a07efm95wawff9870a2&oseq=&c=&ch=>

CREDITS: 7

■ FRIDAY, OCT. 5

CE1811: Money Makes the World Go Round, But Drugs Can Make It Spin! Patient Assessment, Drugs and Herbal Interactions

Mark Donaldson, BSP, ACPR, PHARMD, FASHP, FACHE
Mountaineers Club, Seattle
7 credits

■ SATURDAY, OCT. 6

CE1812: Illicit Drugs and the Dental Patient

Mark Donaldson, BSP, ACPR, PHARMD, FASHP, FACHE
UW Health Sciences Center, Room D-209
4 credits

■ FRIDAY, OCT. 26

CE1818: Improving the Oral Health of Your Aging Patients

(course limited to 50 participants)

O. Ross Beirne, DMD, PhD; Bea Gandara, DDS, MSD; Susanne Kölare Jeffrey, DDS, PhD; Kurt Labberton, DDS; and Rod Wentworth, DDS
Walla Walla, Wash.
7 credits

■ FRIDAY, OCT. 26

Better, Faster, Stronger, Prettier: Direct Composites With the Injection Molding Technique

David Clark, DDS

Fife, Wash.

7 credits

Register through Seattle-King County Dental Society (www.skcds.org)

■ SATURDAY, NOV. 3

CE1823: Peri-Implantitis

Diane Daubert, RDH, MS, PhD and Georgios Kotsakis, DDS, MS
UW Health Sciences Center
7 credits

■ FRIDAY, NOV. 16

CE1813: The Business of Dentistry and Winning at Insurance Game

Kim McCleskey and Leah Lochner, Avitus Dental Group
Mountaineers Club, Seattle
7 credits

■ FRIDAY-SATURDAY, MARCH 1-2, 2019

Oral Surgery for the General Dentist: Making It Easier, Faster, and More Predictable

(hands-on workshop offered in partnership with Washington Academy of General Dentistry)

Karl R. Koerner, DDS, MS
Washington AGD Educational Center
Seatac, Wash.
16 credits

For registration information, visit www.uwcde.com or call 206-543-5448.

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alumni calendar of events

■ **SATURDAY, SEPT. 29**

Dental Alumni Football Event
Time: TBD
Game: UW vs. BYU
I Wing Rotunda/Husky Stadium

■ **THURSDAY, OCT. 11**

Dental Alumni/WSDA Mentor Reception
Time: 6-8:30 p.m.
Touchdown Terrace, Husky Stadium

■ **SATURDAY, OCT. 20**

School of Dentistry ADA Reception
5-7 p.m.
Location: Royal Hawaiian Hotel
2259 Kalakaua Ave.
Honolulu, Hawaii

■ **MONDAY, NOV. 5**

Dental Alumni Full Board Meeting
6:30-8:30 p.m.
Washington Athletic Club, Seattle

■ **FRIDAY, MARCH 29**

Ernest Jones Memorial Lecture
8:30-4:30 p.m.
Kane Hall, UW campus

■ **SATURDAY, MAY 4**

Dean's Club Dinner
6-9:30 p.m.
Museum of Flight

For more details on these or other UW Dental Alumni Association events, please call 206-543-7297.

*Information is also available on the School of Dentistry website's alumni page at
<http://dental.washington.edu/alumni-friends>*