THE SCIENCE
OF A SMILE

Basic science collaboration frames dental medicine research
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Dear Alumni and Friends,

The CU School of Dental Medicine is turning 40!

I am delighted to share the inaugural issue of CUDental that highlights our distinguished alumni, as well as our current students, the work of our faculty, and our new programs and clinics. I hope that reading these stories will trigger fond memories for each of you about your time at CU.

Today, our alumni network is over 2,000 strong and growing. In 2015 we will celebrate the 40th anniversary of our first dental hygiene graduates, and in 2017, we will celebrate four decades of dental graduates. Our advanced dental education programs in general dentistry, periodontics and orthodontics also continue to thrive. From our humble beginnings in the basement of the bookstore on the 9th Avenue Campus in 1973, to today in our state-of-the-art education facility on the amazing Anschutz Medical Campus, what has not changed is that our graduates define us as an institution and are leaders in the dental profession.

As the school has grown to be an integral part of an academic health center, we’ve embraced new ideas, made strategic investments in building a school that prepares graduates to have impact in not just local but global communities. In this first edition of our new alumni magazine, we focus on the collaborations that define us as a relevant member of the academic health center and communities we are a part of. We highlight for you the professional, educational and donor relationships that have changed the face of Colorado’s dental education and clinical care landscape.

From our cancer center researchers, to our interprofessional learning and commitment to team based care, and the new CU Dental Student Success campaign, you’ll recognize that the CU School of Dental Medicine is committed to collaboration and working with our passionate partners. Our partners support our students, fund programs that care for our community, help us prevent and treat oral disease, and create an intellectual curiosity in our graduates that will last a lifetime.

As you read these stories, please take a moment to consider how your personal involvement and collaboration could make a difference. I invite you to share those insights with me personally. Future issues of CUDental may include your stories, your impact and your vision for creating our shared future.

To all of our generous supporters, alumni, friends and colleagues, thank you for forty years of friendship and for supporting our four decades of remarkable growth and impact. We look forward to your input in defining the next 40 years!

Denise K. Kassebaum, DDS, MS
Dean of the School of Dental Medicine
Today, the University of Colorado School of Dental Medicine is a comprehensive, research-intensive dental school that increases access to innovative education programs, life-improving research and excellent clinical care programs that enhance oral and systemic health.

The school is poised to create an intentional evolution in dental medicine – one which will globalize the training of future professionals and increase the quality of care among the region and world’s most underserved patients.

To fulfill this vision, the school is building passionate partnerships and securing intentional investments which aim to advance the mission of the school around six strategic goals:

- Student Success
- Collaborative Research
- Transformational Care
- Community Engagement
- Diversity, Inclusion and Humanism
- Resource Management

The measure of the school’s strategic goals and mission is seen in the statistics that help promote the school and university’s standing in academic, research and clinical success.

A measure of our mission

The mission of the School of Dental Medicine, as an integral part of the University of Colorado Anschutz Medical Campus, is to provide programs of excellence in teaching, research, patient care, and community and professional service for Colorado and the nation.

- 1,600 DDS applications for 80 positions
- 450 applicants for 40 International Student Program spots
- Nearly 100,000 annual patient visits in the school’s on-campus and community partner clinics
- 450 applicants for 40 International Student Program spots
- 4 floors of clinics and 222 dental operatories in the expanded dental medicine building
- 38 languages spoken in the dental medicine building

Research collaborations
with CU Cancer Center, CU School of Medicine, CU Boulder College of Engineering and the Colorado School of Public Health
University of Colorado Denver | Anschutz Medical Campus continues its ongoing commitment to student veterans with the opening of the CU Heroes Clinic, thanks to a $1 million gift from Delta Dental of Colorado Foundation. The clinic opened August 25, 2014.

In collaboration with the CU Denver Office of Veteran Student Services, the CU Heroes Clinic will provide free dental care for military veterans enrolled in a degree program at CU Denver or CU Anschutz. Many student veterans do not qualify for or receive coverage for dental care when they leave military service. The Heroes Clinic will address this gap, providing services which will supplement health care provided through the Veteran’s Administration.

“We’re working every day to serve our large student veteran population and to be a military-friendly university,” said Patrick Browne, director of Veteran Student Services at CU Denver. “The Heroes Clinic is one more way we can ensure our student vets on both campuses have the resources they need to focus on their education.”

Staffed by faculty and fourth-year students at CU’s School of Dental Medicine, the Heroes Clinic will operate selected weekdays during the fall semester with plans to expand in the spring of 2015. Every dollar donated by Delta Dental of Colorado to the Heroes Clinic will go towards the cost of preventive and restorative dentistry.

“These student veterans have given so much to our country that they truly are heroes, who are deserving of a Heroes Clinic established specifically for them,” said Kate Paul, president and CEO of Delta Dental of Colorado. “We are honored to work with CU Denver | Anschutz to provide this much needed service.”

The Office of Veteran Student Services (OVSS) at CU Denver|Anschutz supports hundreds of students with military connections. In addition to assisting student vets with the adjustment from military to campus life, OVSS also helps with the transition to civilian careers as the college experience comes to an end. In conjunction with the Denver Metro Chamber of Commerce, a program called “Boots to Suits” enlists the support of the business community in metro Denver matching student veterans with mentors, offering internships that provide relevant work experience and offering assistance in the search for permanent jobs.

“Student veterans are an underserved population that we are committed to providing with high quality dental care,” said Denise Kassebaum, DDS, MS, dean of the CU School of Dental Medicine. “Ours is one of the first universities in the nation to create a clinic specifically for student veterans, and it would not be possible without the incredible generosity of Delta Dental of Colorado.”

Information, including how to support the Heroes Clinic, can be found at www.ucdenver.edu/heroesclinic.
Recently retired as the Assistant U.S. Surgeon General, Bailey earned the rank of Rear Admiral in the U.S. Public Health Service Corps while serving as the Chief Professional Officer for the Dental Category.

Serving Communities Around the Nation
Bailey spent more than three decades of his career serving communities around the state and nation. During his time as the CDC Division of Oral Health’s Acting Director and Senior Advisor for Oral Health, he led the community-based activities to prevent oral disease.

Bailey is no stranger to the fight against early childhood caries. He has worked with many different communities – with refugees in Denver, children in Guam, and with Native American communities in North and South Dakota, Nebraska, and Iowa.

He led efforts to establish the first Health and Human Services Strategic Framework for Oral Health (which will be released soon), collaborating with and gaining approval from 15 government agencies and offices. This document raises the visibility of oral health and aligns priorities across the federal sector. He also received numerous awards from the U.S. Public Health Service including the Meritorious Service Medal, the Surgeon General’s Exemplary Service Award and was the recipient of the Jack D. Robertson Award, the highest award bestowed upon a dental officer by the USPHS Dental Professional Advisory Committee.

A Passion to Help Children
“The welfare of children has always been a priority in my life,” states Bailey. “In Pueblo, where I grew up, my father was an elementary school principal, my aunt directed the city’s first Head Start program, and my uncle was a member of the school board. From the earliest age, I was aware of the importance of health, education, family and community to the quality of a child’s life.”

During his assignments in the US Public Health Service, Bailey remembers vivid memories of children who wouldn’t smile because of missing teeth – they interacted less with peers and covered their mouths when they talked because they were embarrassed about their appearance.

“It is important to give every child a chance to reach his or her ultimate potential and strive for their dreams, whatever those may be,” says Bailey. “Reaching one’s potential is difficult in the absence of optimal health, and oral health is essential to overall health. That is why I am so grateful to be working with others to improve the oral health of Colorado’s children.”

Changing the Paradigm for Oral Health
His broad experience in public health dentistry builds upon the school’s existing commitment to serving the oral health needs of Colorado communities.

“More than anything, I am excited to be in my role as Delta Dental Endowed Chair in Early Childhood Caries Prevention,” exclaims Bailey. “The Anschutz Medical Campus offers a progressive and unique setting that is an invigorating place to work. It is a real joy to work on campus with nationally recognized leaders who are dedicated not only to improving health care, but to improving health in the broadest sense. The State of Colorado has deemed oral health a winnable battle and the School of Dental Medicine, numerous foundations, and health professionals from around the state are working together to improve oral health. It is exciting to be part of this vision, cooperative spirit and energy.”

As the endowed chair, Bailey will contribute to the design of statewide public health policies and practices, establish public health dental curricula in partnership with the Colorado School of Public Health, provide advocacy for children’s health issues, work with local foundations to design projects that support local communities, teach dental and graduate students, and perform scholarly activity that serves to promote children’s health and results in the prevention of early childhood caries.

Bailey is excited about moving the issues of childhood caries forward and changing the paradigm for the treatment of oral disease, extending preventive services to more children, and enhancing health literacy among parents, patients and healthcare professionals.

The Endowed Chair in Early Childhood Caries Prevention was created through a generous donation from Delta Dental of Colorado Foundation. “Thanks to the generosity of Delta Dental of Colorado, we have an opportunity to utilize Bill’s national expertise to make a significant impact on the oral health of Colorado’s children,” said Denise Kassebaum, DDS, MS, dean of the School of Dental Medicine.

To learn more about philanthropic investments in dental medicine visit www.ucdenver.edu/dentalmedicinealumni.
THE SCIENCE OF A SMILE

Basic science collaboration frames dental medicine research

By: Lyndsey B. Crum
Not all dental faculty spend significant time in the school’s clinics. Some find their home on the western edge of the campus, away from the patients and educational classrooms, in the research quadrant of the University of Colorado Anschutz Medical Campus. But that separation doesn’t diminish their connection with the heart of the school, in many ways, it enhances it.

Situated on the 2nd and 11th floors of two campus research towers, you will find suites of faculty offices and laboratories which are home to the School of Dental Medicine Department of Craniofacial Biology. From here, dental medicine faculty collaborate with scientists in cancer, cellular biology and engineering to advance discoveries in disease treatment and smile restoration.
These collaborations are critical to what Senior Associate Dean for Research Jeffrey Stansbury, PhD envisions for the future of dental medicine research. “For research to work well you have to have collisions,” states Stansbury, “intentional and occasionally unintentional collisions of ideas.”

Stansbury’s vision is to set up the framework which will support these collisions in order to generate new ideas across the school’s basic science research teams. “We want to support increases in cutting edge research, so we have all of the core faculty looking for collaborative opportunities, whether local or international.”

So far the school’s faculty are meeting that expectation, and this is due in large part to the intentional design of university’s research facilities.

A CAMPUS FOR COLLABORATION

When the Anschutz Medical Campus was designed, university leadership made an intentional decision to co-locate the research branches of each school and college faculty into multi-disciplinary facilities. The shared spaces meant faculty from dental medicine could easily connect with colleagues in medicine, the Cancer Center, and the colleges of engineering on both the Denver and Boulder campuses. And they could work together to solve common interest, complex issues like cancer treatments or clinical applications for bioengineering.

“I learned a lot about geography when we moved to Anschutz,” jokes Professor Mary Reyland, PhD. “The move from 9th and Colorado to Anschutz coincided with the buildup of our faculty,” states Reyland, who was one of the few dental medicine researchers who made the transition from the old campus, to the sprawling, and still growing Anschutz Medical Campus. “Now we are geographically connected to other scientists and the open lab design helps facilitate collaborations.”

Since the transition to new facilities, the school has grown the number of research faculty and enhanced their collaborations with clinical and translational scientists who share their research interest in common diseases.

These connections and shared areas of focus are what craniofacial biology Chairman Lynn Heasley, PhD sees as the future of research-team science.

COLLABORATING TO FIND A CURE

Heasley, a member of the University of Colorado Cancer Center, is leading a research team in its effort to improve drug therapies and possibly find a cure to forms of cancer.

Heasley joined the university as a post-doctoral student in 1992 and transitioned his faculty appointment to the dental school in 2007. During his career at CU, Heasley’s expertise in oral cancer grew and his understanding of drug therapy and cancer biology earned the School of Dental Medicine a grant from the U.S. Veterans Administration to study drug therapies for head and neck cancers.

According to Heasley, not all cancer cells respond with the same efficacy to a particular drug therapy, so the trick is identifying or personalizing the drug to a specific subset of oral cancers.

Currently, head and neck cancers are treated with surgery, radiation and cytotoxic drugs, with little viable option for personalized therapies. It wasn’t too long ago that lung cancer was the same way, until approaches to personalized drug therapy evolved to target different oncogenic cell surface receptors that “drive” the cancer cells in particular patients. Heasley plans to apply that approach to head and neck cancer and he has joined a team of CU scientists to help him do it.

Heasley, a member of the University of Colorado Cancer Center, is leading a research team in its effort to improve drug therapies and possibly find a cure to forms of cancer.
At a basic level, cancer is the result of a cell mutation. A normal cell receives instruction on how to grow and function. It receives these instructions from other cells via pathways and receptors – much like an electrical current reaches a switch with the power to turn on a light. Eventually a normal cell will shut the current off. When it doesn’t, it becomes a cancer cell.

In the case of some head and neck cancers, Heasley believes that an over expressed receptor, FGFR1, is the switch. This over expression prevents the cell from “turning out the lights” something that he hopes to fix by targeting FGFR1 with personalized drug therapies.

Enter University of Colorado School of Medicine colleague Antonio Jimeno, MD, PhD. Jimeno, a University of Colorado Cancer Center oncologist, has collected head and neck cancer cells, known as patient-derived xenografts (PDX), from his oncology practice. The PDX’s are propagated in immune-deficient mouse models, giving Heasley and Jimeno access to live cancer cells to test their hypothesis. The research team will then use existing FDA approved drugs and attempt to block FGFR1 in the mice bearing cancer cells over expressing FGFR1, thus preventing cancer cell growth.

“It’s like turning the light switch off,” says Heasley.

Moreover, Heasley anticipates that this approach will dramatically reduce the time between their initial study and clinical trials. That reduction may amount to years, which is due in large part to the strong partnership between Heasley’s basic science background and clinical and translational research of his school of medicine colleagues.

Future successes like Heasley’s cancer research will require building a pipeline of basic science researchers, something Reyland is taking head-on by directing the university’s cancer biology doctoral program.

Reyland, who also holds a joint faculty appointment in the School of Medicine, leads the inter-departmental program which combines basic biomedical science with applied clinical and translational research in human cancer.

“We can’t lose sight of basic science,” states Reyland. “Any advance that we have is based on basic research and we need to bring new people into the pipeline of our profession.”

Senior Associate Dean Stansbury, a biomaterials chemist and bioengineer, directs labs at both the Anschutz Medical Campus and the University of Colorado Boulder, where he offers dental students and graduate students hands on experience in the science of a smile.

Run in partnership with the CU Boulder College of Engineering and Applied Science, Stansbury’s labs experiment in the development and polymerization of dental composites and adhesives. Stansbury’s labs utilizes chemistry and bioengineering to create and test the properties of new restorative materials including their brightness, color, durability and shrinkage.

Since the transition to new facilities, the school has grown the number of research faculty and enhanced their collaborations with clinical and translational scientists...
From their photo-sensitive materials to new nanogel technology, Stansbury’s lab is finding success.

“We’ve been getting a lot of great results in nanogel materials,” states Stansbury. “Making nano materials offers a high degree of conversation but low stress and shrinkage,” something that will make future dental restorations last longer and be stronger.

Stansbury’s discoveries have resulted in eight patents issued and five patents pending, plus additional federal and industry sponsored research awards. Stansbury together with Chris Bowman, a Boulder-based faculty also appointed in the dental school are responsible for CU being the recipient of two out of six recent National Institutes of Health grants seeking new polymeric materials that can deliver dental restoratives with extended clinical service lifetimes; while Stansbury’s former post-docs, now working at other institutions, were the recipients of two of the four remaining grants.

Any member of the Anschutz Medical Campus would say that this research is clout-worthy, but for real emphasis, just ask Stansbury to smile.

Stansbury sports a filling of his own invention after his personal dentist became an earlier adopter of the commercial composite based on materials engineered in the Stansbury lab.

So while faculty like Stansbury may not spend their time chair side with dental patients and students, their research collaborations and basic science discoveries are advancing the care and future cures of oral diseases treated just a short walk away in the School of Dental Medicine clinics.

Exposed students to the school’s basic science research offers unique insight into how faculty literally engineer the smiles of tomorrow.
Fourth-year dental student Petros Yoon is one of several students to experience research success while in dental school. Along with maintaining an active clinical and education schedule, Petros devotes significant time to working in the lab of Senior Associate Dean Jeffrey Stansbury, PhD.

That time translated into notable international presentations and awards, including acceptance into the National Institute of Dental and Craniofacial Research’s (NIDCR) summer Dental Student Award Program in Bethesda, Maryland.

“With the recommendation of my mentor and PI Dr. Jeffrey Stansbury, I applied for the program and was accepted,” said Yoon. “He encouraged me to apply and I received enormous support from our administration, and faculty to apply as well and I am very grateful for that.”

Yoon spent his summer working in the lab of NIDCR scientist Yoshihiko Yamada, PhD. While there, Yoon received training in molecular and cellular biology and participated in a research project on the genetic and functional interactions between two transcription factors, Epiprofin (Epfn) and T-box1 (Tbx1) in dental epithelial differentiation and enamel formation.

“I think experiences like this are important for students because they help cultivate their future careers,” shared Yoon, “and they provide them with the skills and insights they need to become professionals in the future.”

The school is committed to supporting student research experiences and success like those of Petros Yoon. To learn how your support may help fund future student research, visit www.ucdenver.edu/dentalstudentsuccess.
Students across campus embrace collaboration

Eight years ago a small group of dental and medical students came together to collaborate and learn from one another around the theme of team-based care. Fast forward to 2014 – that small group has grown to include the majority of the Anschutz Medical Campus health professional students. Now, physician assistant, nursing, pharmacy, medical and dental students work together in the dental clinics as part of the dental school’s Frontier Center.

Funded by Delta Dental of Colorado Foundation, the Frontier Center’s primary objective is to "continue to catalyze changes and create collaborations between dentistry, primary care and pharmacy that will enhance patient care."

BY: BRENNNA DEUTCHMAN

Oral and Systemic Health Workshops

Oral and system health workshops, led by dental students, allow hands-on practice of the basic head and neck exam and intraoral exam. Students then practice applying fluoride varnish on each other. Workshops are held for physician assistant students in the fall and medical and nursing students in the spring.

“We really want to emphasize that the mouth is an important part of the body,” says Mark Deutchman, MD, Professor, School of Medicine and School of Dental Medicine. “Our goal is that both groups of students develop a better appreciation for the connection between oral health and overall health.”

“Our [physician assistant] students all participate in an interprofessional workshop with the dental students as part of their physical assessment course in their first year of training. Our mission is primary care and care of the underserved. Oral health disparity is essentially a primary care issue so it aligns perfectly with our mission.” Jon Bowser, MS, PA-C, Director, Associate Dean and Section Head, Physician Assistant Program.

“I didn’t realize that children don’t usually see the dentist until after it is too late,” a comment shared by a PA student. “As a primary care provider we see these kids often throughout their development and can provide them with interventions to help mitigate caries and educate kids and parents on the importance of oral health.”

Perspectives

Faculty | MARK DEUTCHMAN
MD, Associate Dean for Rural Health; Professor, Department of Family Medicine; Director, Rural Track, School of Medicine; Director, Colorado AHEC, Professor, School of Dental Medicine

As a Family Physician interested in whole person care, I fully recognize that the mouth is part of the body.

It is also true that physicians have traditionally received very little training in oral health and therefore have avoided what they know little about.

As soon as we understand that oral conditions such as periodontitis and systemic conditions like diabetes are related, it becomes a “no-brainer” to address both.

Similarly, when we understand that early childhood caries is the most common disease of childhood, and that it is a vertically-transmitted
preventable infectious disease, it becomes our responsibility too. We see children frequently during their first two years of life for checkups and immunizations. When tooth decay is extensive and untreated, it causes pain, disability, adversely affects nutrition and eventually ruins adult teeth. Why not “immunize” children against tooth decay by promoting good oral hygiene, proper diet and fluoride? The same emphasis we place on positive health behaviors for diet, exercise and self-care can easily be applied to oral hygiene. And, if patients get the same message from their physician as they hear from their dentist, it will make a greater impression.

This workshop, which was originated through the Frontier Center, started as a pilot elective but now is required for each and every medical student.

Through the workshop, medical students not only practice an important part of the physical exam, they meet and appreciate dental students’ knowledge and skills.

The dental students also have had a series of classes on medical conditions through the efforts of the Frontier Center.

We also want [the students] to own a professional responsibility to address the oral-systemic connection and see their medical and dental colleagues as collaborators in patient care.

Faculty | DIANE BRUNSON
MPH, RDH, Director of Public Health and Interprofessional Education, School of Dental Medicine

I first became involved in the Frontier Center while I served as the State Dental Director at the Colorado Department of Public Health and Environment. From the beginning I knew that collaboration would be critical to achieving the center’s goal.

There is a nationwide movement toward patient-centered care to improve health outcomes. For healthcare to be patient-centered, providers must communicate and collaborate.

“Oral health is every health professional’s business; even though ‘dentistry’ may be specific to dental professions.”

Across our campus, we have seen tremendous support and willingness from all of our health professions to make collaborative education work; yet coordinating multiple curriculum schedules has been a challenge. While each program’s schedule is full, we recognize the importance of professional education activities and continue to expand them campus-wide.

One specific expansion is our recent glucometer training, led by pharmacy students for our dental students. We’ve done a great job so far in educating other professionals on oral health and fluoride varnish, but the pharmacy training stands out because this type of hands-on experience gave our dental students more exposure to primary care.

I would like to see more collaboration and this type of experiential learning. I envision students serving our public together in a university clinic where they can put into practice the co-location and cooperation they have learned through our center.

Medical students:
98% felt more competent in performing an oral exam and appreciated the dental students as instructors for the exercise.

“This was a fun, worthwhile experience; great collaboration! Very fun and engaging.”

PA students:
98% stated they feel confident in their ability to perform the basic oral/head/neck exam.

98% felt they understood the role of the physician assistant in providing oral health care.

98% agreed or strongly agreed that learning skills from other health professional students enhanced their education.

“Part of the vision of the Anschutz campus is that it will bring together, rather than separate, our health professions. The Frontier Center has complemented that vision by supporting medical-dental collaboration.”
During the second semester of the third year of pharmacy school we began interprofessional IPPE practices. Although most worked with physicians, a few students had the opportunity to visit with the School of Dental Medicine. Through these IPPE visits we were able to work with students to help them become more familiar with medications that they frequently see in their patient population. One of the major points we covered was interviewing patients on their medications to determine the best course of treatment. For example, a patient who was on warfarin and dealing with addiction may present concerns with compliance or malnutrition, which would have an impact on their risk of bleeding. By reviewing how this drug was affected by food and its duration of action in the body we were able to prevent an adverse outcome.

We worked closely with the staff who taught us about reading X-rays, oral infectious disease, and provided knowledge of medication concerns experienced by dentists (such as osteonecrosis from bisphosphonates). We were able to see firsthand the effects of misuse of various drugs including anything from “meth mouth” to “aspirin burn.”

Overall, we found these experiences to be very valuable both for our learning and for the dental students. Continuing to collaborate between these two schools will help build interprofessional communications, serve as a tool to expand pharmacist relationships beyond strictly medical fields, and better integrate dentistry into the fold of healthcare providers.
year and are almost completely done with all the didactic learning. They are strong on skills and knowledge, and weaker on clinical experience.

This program challenges them to step into a different clinic environment with no other pharmacy representative there as their safety net. They need to represent the profession of pharmacy and begin to learn how they can complement other professions, as well as gain a better appreciation for other practitioners’ scope of practice.

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**“It is important for students from all disciplines to come together and learn. This collaborative approach helps to prepare future healthcare professionals to work as a team to ultimately improve patient outcomes.”**

Krista Estes, DNP, FNP-C, Assistant Professor, College of Nursing

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The integration of these students with dental medicine has been a tremendous learning experience for the pharmacy students. At first glance, students question just how much overlap there is between pharmacy and dentistry, only to discover a wealth of learning that can occur from the dental profession as well as teaching that the pharmacy students can provide to dental students.

Whether the pharmacy student is doing a medication profile review, screening for interactions, educating on drug allergies, or learning about concerns specific to the dental field (such as osteonecrosis from bisphosphonates), students quickly identify areas where they can contribute to the dental practice.

Students from both professions begin to recognize strengths that the other profession brings, and the collaboration is extremely valuable. This appreciation carries out into practice, where the pharmacist or dentist may rely on one another when providing comprehensive care to patients.

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**PHARMACY ROTATIONS**

Unique from the experiences of medical or physician assistant students, pharmacy students can elect to spend their spring clinical rotations at the dental school. Pharmacy students are given a choice of rotation sites throughout the community. During their semester-long rotation at the dental school, they see both the Dental Emergency and the Adolescent Clinic.

For Richard Preite, 3rd year Pharmacy student, the choice was easy. “My Aunt Rosie was a dental hygienist, and wished for someone with Pharmacy experience,” he says. Preite ranked the dental option high on his list of preferred rotations. “I was lucky to get it.”

Of the experience itself, he says “It’s been enlightening so far. Most people think dentistry is mostly teeth cleaning, but it’s a lot more.” Preite’s seen tooth extractions, many dental procedures, and has been surprised by how intensive clinic and screening processes can be. If he sees a patient with dental issues in the future, he is much more likely to recommend appropriate dental care.

For Myvi Nguyen, 3rd year Pharmacy student, experiences in the dental clinics are among her most recent collaborative educational activities, and she enjoyed sharing knowledge of the relationship between medication and dental issues.

Last summer Nguyen was involved at Indian Health Services in Parker, Arizona, an interprofessional medical center. During that experience, Nguyen witnessed a patient in the ER with jaw pain. Three days later, the patient passed away due to a stroke.

“The telltale sign of that stroke was jaw pain,” says Nguyen. “Situations like that we learn what we could have done better. The more different fields interact, the better.”

Dental students also find the pharmacy student rotations valuable.

“I think [these experiences] will make me a better clinician,” says Amisha Singh, 3rd year dental student.

For Darin Johnston, 3rd year dental student, being involved with the pharmacy students in the screening clinic and the ER has been enjoyable. “I wish they were over more often,” he says.

Johnston’s utilized the interaction with pharmacy students to review head and neck exams as well as show the pharmacy students radiographs, while also learning about medication interactions.

“It’s great to be learning – and not waiting – between patients.” The pharmacy student rotations are in their second year, and will continue in the future.

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These activities are possible because of generous funding from the Delta Dental of Colorado Foundation. Thank you!
Adolescents are at an awkward stage in life. They seek acceptance while undergoing significant changes in their bodies and identities. Although oral health may not be at the forefront of their concerns, the confidence that comes with a bright smile is, and that is where the CU Adolescent Dental Clinic is filling a special gap.

While some pediatric dentists will refer adolescents to a general dentist because the patients have permanent teeth, general dentists may in turn prefer an adolescent patient be seen by a pediatric dentist because of the presence of primary teeth and continued development of the mouth.

Identifying the need

“That age group is sort of wedged between pediatric dentistry and adult dentistry so they kind of get stuck with not a lot of good care,” says Elizabeth Shick, DDS, MPH, pediatric dentist and assistant professor.

In August 2013, the school began to restructure the concept of child and adolescent care to address an unmet need in the patient community. As a result, the school created the CU Adolescent Dental Clinic to provide unique support and targeted care to this special patient population.

“The value in having the dental students see adolescent patients is that they gain a variety of experiences they would otherwise miss during their dental training”, says Rick Mediavilla, DDS, director of the clinic. “The students get to restore the mixed dentition, they treat patients during all the phases of orthodontic intervention, and they are often part of the initial diagnosis of many diseases that are discovered during the early teen years.”

“The value in having the dental students see adolescent patients is that they gain a variety of experiences they would otherwise miss during their dental training”
“With the older teens, students realize that even though their patient’s mouth may look like the adult ones they are used to treating, they require special considerations,” says Mediavilla.

Addressing those considerations provides patients with a quality of specialty care and affords students career-building educational experiences.

Expanding the student experience

For several years students have completed a pediatric rotation at the Children’s Hospital Colorado Healthy Smiles Clinic while seeing their adult patients in the school’s CU Dental Team Care student clinics. By opening the adolescent clinic, students now experience and gain comfort caring for a wider range of patients including those 12-18 years of age.

“What I love about the adolescent clinic is that it cares for an age population that is underserved,” shares dental student Tamer Barsom. “We either serve the adult patients in the adult clinic or the pediatric patients at Children’s Hospital, so having this department here, serving the 12-18 age group, is different and lets us expand our connection with the society around us.”

Barsom is a 2nd year student in the International Student Program and is very involved in the clinic and intends to work with the adolescent age group in the future. He is currently applying to a General Practice Residency program in New York, after which he plans to open a private practice where he will treat adolescent patients.

“For me I got the best benefit out of [the clinic],” says Barsom. “I now enjoy treating this population. At this age, if you reach their trigger points on how they think and how you approach them, you will develop a good interaction with your patient.”

The adolescent clinic allows the school’s 4th year dental students and 2nd year international dental students like Barsom to provide prophylaxis, restorations, and some extractions for the patients.

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Addressing those considerations provides patients with a quality of specialty care and affords students career-building educational experiences.

Expanding the student experience

For several years students have completed a pediatric rotation at the Children’s Hospital Colorado Healthy Smiles Clinic while seeing their adult patients in the school’s CU Dental Team Care student clinics. By opening the adolescent clinic, students now experience and gain comfort caring for a wider range of patients including those 12-18 years of age.

“What I love about the adolescent clinic is that it cares for an age population that is underserved,” shares dental student Tamer Barsom. “We either serve the adult patients in the adult clinic or the pediatric patients at Children’s Hospital, so having this department here, serving the 12-18 age group, is different and lets us expand our connection with the society around us.”

Barsom is a 2nd year student in the International Student Program and is very involved in the clinic and intends to work with the adolescent age group in the future. He is currently applying to a General Practice Residency program in New York, after which he plans to open a private practice where he will treat adolescent patients.

“For me I got the best benefit out of [the clinic],” says Barsom. “I now enjoy treating this population. At this age, if you reach their trigger points on how they think and how you approach them, you will develop a good interaction with your patient.”

The adolescent clinic allows the school’s 4th year dental students and 2nd year international dental students like Barsom to provide prophylaxis, restorations, and some extractions for the patients.

“It’s cool having the age group 12-18,” shares Barsom. “We learn what they do different dentally, and learn that some of them really don’t care about their dental health. They need more education on how to floss and how to brush, and catching them at the right time is good.”

Teenage trends

Many of the children and teens visiting the clinic have not received dental care and have significant unmet dental needs. The adolescent clinic patients have high caries rates and decay patterns associated with consumption of sugar sweetened beverages and drug use.
Pregnancy gingivitis is also a concern and is reported among pregnant teens seen in the clinic. The Children’s Hospital Colorado has two different clinics, the Colorado Adolescent Maternity Program (CAMP) and Young Mother’s Clinic (YMC), in their outpatient facilities which collaborate with the adolescent clinic to treat and care for pregnant teens and teen mothers. These clinics provide comprehensive medical care and OB/GYN care to these teens, and along with Dr. Shick, the dental students can now provide oral health screenings, education, and referrals to teen moms, their children, and their families at the time of their clinic visit.

Students have also seen cleft palate and cleft lip patients who are still in the middle of surgery and reconstruction, and recorded a visit with an ectodermal dysplasias patient. Patients going through orthodontic treatments may also be seen in the clinic for preventive care and restorations.

Clinical collaborations

The dental school thrives on collaboration, and with the adolescent clinic in place, patients are easily referred to other specialty clinics within the school.

Patients complaining of severe pain or exhibiting signs of infection are easily referred to the endodontic clinic. The ease of referral allows the provider to begin early planning for implants based on the development of the patient’s mouth. Adolescence is also a common age for third molar extractions and clinic patients may be referred to the General Practice Residency or oral surgery clinics for sedation and extraction.

The school’s orthodontic clinic works the closest with the adolescent clinic, which is conveniently located on the same floor, often sharing patients.

“There isn’t much we can do orthodontically until we know that their mouth is healthy and everything is at a good state before we begin”, says orthodontic associate professor Nathan Moeller, DDS. “If they don’t have a primary care dentist, we will send them over and at least get them under the care of somebody who can follow them and get them back into the system.”

Once a patient is in braces or other orthodontic treatment, students in the adolescent clinic provide regular cleanings and fillings when the patient is without a primary dental provider. The students also provide oral health education on how to brush and floss in between brackets and other orthodontic appliances.

“It’s nice for patients to have everything under the same roof. Turnaround time is usually faster. It’s a big advantage,” says Moller. “It also helps the residents get used to collaborating and helps build their communication with other colleagues before entering into private practice.”

These collaborative experiences provide CU dental students a professional advantage whether they decide to enter a private practice or continue with a residency program. The students leave the school and their clinical education prepared to work with a wide range of patient ages and dental health needs and the skills to comfortably work and communicate with colleagues when referrals are needed.

Visit the school’s website to learn more about opportunities to invest in the school’s expanding clinical curriculum and patient experiences, including clinical collaborations like the Adolescent Dental Clinic.

www.ucdenver.edu/dentalstudentsuccess
Giving kids a smile

For a dozen years, young smiles have been brightened at the CU School of Dental Medicine (SDM) as part of the annual Colorado Dental Association’s Give Kids a Smile Day.

BY: AMANDA GONZALES

On February 7, 2014, 133 local children participated in the program held at the Anschutz Medical Campus. Free dental care and education were provided to children who are without dental insurance and who are from low income families.

“CU is really proud to support the Aurora community that we are a part of, and we know that the community is diverse and has a lot of unmet needs,” said Elizabeth Shick, DDS, who specializes in pediatric dentistry as a SDM faculty member.

“These children have toothaches, caries, and are missing days of school, and we are privileged to provide them with a free day of dental care.”

Dentists donate time, services

This year, 16 dentists from the community and School of Dental Medicine students and faculty all volunteered their time to treat 133 local children who were in need of dental care.

The CU students were paired with a dentist to assist in exams and to perform procedures. They were able to do everything from paperwork to restorations.

“Give Kids a Smile was such a rewarding experience,” said fourth-year dental student Petros Yoon. “Seeing all the dental professionals in our community come to volunteer their time for the children definitely put a smile on my face, too. It’s so great to be a part of our school’s ongoing mission to give back to our communities.”

The dentists provided everything from prophylaxis to tooth extractions – all while hoping to provide education to parents about preventative care that can be done at home, such as regular brushing and flossing, and encouraging them to find a regular dentist.

“We did a lot of restorations and saw a lot of severely decayed teeth that require extractions,” Shick said. “We had Dr. Patterson, an oral surgeon, who volunteered onsite to perform the extractions. We saw children who had not been to the dentist in several years or possibly never.”

Each young patient left with new toothbrushes and healthier smiles.

Give Kids a Smile day is an annual program sponsored by the American Dental Association. To learn more, visit http://www.ada.org.

Programs like Give Kids a Smile happen when communities, organizations and dental professionals come together to share and support a common cause. Thank you to the members of CU’s dental community, including the many faculty, students and staff who supported the 2014 Give Kids a Smile event.

A special thank you to the members of CU’s Team Care Clinic for their support leading up to and during the event. The clinic staff managed patient scheduling and offered translation services.

Thank you to the following team members for their individual contributions to making GKAS a successful event for our school and our community:

• Paula Alexander
• Nancy Groswole
• Monique Jaquez
• Jeanie Johnson
• Patricia Martinez
• Pam Moore
• Lyn Masche
• Julieta Melais
• Marilyn Munerlyn
• Alix Navarrete
• Emily Reddick
• Carmen Santiago
• Arianne Trujillo
• Perla Vamos
• Lisa Webster
Former CU President Albino leads project on oral health of underserved kids

BY: ANDY GILMORE

The leader of a CU project to address crucial oral health issues among American Indian and Alaska Native children said this kind of research is why she loves being at the university. Her outlook is particularly interesting given that, two decades ago, she ran the place.

The first female president of CU, from 1991 to 1995, Judith Albino, PhD, now is director and principal investigator of the National Institutes of Health (NIH)-funded Center for Native Oral Health Research (CNOHR). The center has launched a research project involving 2,000 children on Indian reservations, where kids’ oral health is a major challenge.

CNOHR is one of the Centers for American Indian and Alaska Native Health and part of the Colorado School of Public Health, where Albino is a professor in addition to her appointment in dental medicine. Through CNOHR, Albino takes on health issues for underserved people – an oral health project that is both daunting and crucial.

According to Albino, American Indian and Alaska Native populations suffer from “certainly the worst oral health in the country as a group of people, and perhaps in the world.”

Her focus is on early childhood caries (ECC), characterized by severe tooth decay in infants and young children. The CNOHR works closely with the School of Dental Medicine, where Albino is also a professor.

Studies have found the rate of ECC is more than six times higher among Native Americans than whites and three times that of the general population. And that may be undercounting because some studies did not include children living on reservations.

The CU research team has launched two major studies. One is on a large south western reservation and one on a plains reservation, with more than 1,000 participants in each.

“Ninety percent of the children we have studied in the south western reservation have ECC,” Albino said. “If children are lucky, by the time they start school they’ve been taken in and, under general anesthesia, had a complete mouth restoration. Then they are usually flashing stainless steel at you in school. The ones who are not so fortunate are living with a lot of pain and discomfort.”

Treatment is important; even more pressing is the need for prevention and education through basics such as oral hygiene and diet.

One of the main challenges for the project was to find strategies for prevention and education that were culturally acceptable.

“It doesn’t work if we go in to a tribe and take the traditional approach of saying, ‘This is what you must do,’” Albino explained. “Our approach is to learn from the people within the tribal populations about the problems, to consider solutions together, and then support them to go out into the community.”

That way, Albino says, “the trust is there.”

Although funding arrived in 2008, it took almost three years for Albino and her team to work with the participating tribes on an approach that they embraced, while also meeting all NIH and federal requirements for conducting clinical trials.

“It has been a real education for all of us,” she said. “We’ve learned about the cultures, we’ve learned about the issues that they see, and we’ve learned to appreciate the concerns that they have.

The biggest lesson for the research team? “You will not be welcomed if what you’re going to do is give some people a treatment, or even a prevention approach, and give other people nothing.”

So, no placebos. All tribe members are treated but those who are part of the control group are given enhanced services.

Albino was born in Jackson, Tenn., the daughter of preachers and teachers on her mother’s side and farmers and merchants on her dad’s. She received her BA in journalism and PhD in psychology from the University of Texas.

Albino directs a senior leadership training program called LITEs (Leadership for Innovative Team Science). Supported by the Colorado Clinical and Translational Science Institute, this program takes a cohort of 28 senior scientists through a year-long leadership training program. She also directs a Career Development and Leadership Training Program for graduate students, served as an interim dean for the Colorado School of Public Health and often travels the country consulting or coaching on leadership and organization development issues.

Visit the school’s website to learn more about Dr. Albino and other faculty.

ucdenver.edu/dentalmedicine
About the School’s Dental Clinics

THE CU SCHOOL OF DENTAL MEDICINE maintains an active clinical enterprise, seeing nearly 100,000 patients in the school and community partner clinics each year. Get to know the school’s clinical programs including:

- **CU DENTAL TEAM CARE CLINIC**
  **Dental student providers supported by a team of faculty and residents**
  Patients in the CU School of Dental Medicine Dental Team Care Clinic receive thorough, comprehensive care at significantly discounted rates. Highly supervised dentists-in-training are assisted by expert clinic staff and faculty dentists who oversee all aspects of patient treatment.

- **CU ADVANCED DENTAL CARE CLINIC**
  **Resident providers with faculty supervision**
  CU Advanced Care Clinic provides superb patient care and affordable rates while providing a high level of clinical expertise. Care is provided by dentists who are continuing their clinical training in one of two graduate residency programs: Graduate Periodontics and General Practice Residency. Supervised by active, working endodontists, prosthodontists, periodontists and oral surgeons, patients receive treatment specific to their particular needs. Services include general dentistry, biopsies, bridges, crowns, dentures, implants, root canals, and third molar extractions.

- **CU ORTHODONTICS**
  **Resident providers with faculty supervision**
  The CU Orthodontics Clinic provides state of the art orthodontic care to patients of all ages. The clinic offers a variety of different orthodontia techniques including Invisalign™, Damon System™, and clear braces. Orthodontic residents carry out the patient care with support from our dental assisting team and orthodontic faculty members.

- **CU DENTAL FACULTY PRACTICE**
  **Dental faculty providers**
  The CU Dental Faculty Practice is composed of a team of general dentists and specialists who work together to provide patients with the best possible treatment. This team includes board certified prosthodontists, periodontists, oral surgeons, general dentists, and dental hygienists. All of our practitioners teach and lecture at the CU School of Dental Medicine and therefore uphold high standards to keep current on the latest research and continuing education.
ANNOUNCING A SPECIAL ACADEMIC CAMPAIGN

For over four decades, the University of Colorado School of Dental Medicine has focused on excellence in dental education, research, patient care and service for communities throughout Colorado and around the world.

With the support of many, including passionate partners, alumni and friends, we have a new building on a world-class academic health center. We have grown our faculty and staff, created an endowed research chair in developmental biology and recently one in early childhood caries prevention, and have cared for the smiles of patients in our school-based clinics and our state’s underserved communities through the ACTS Program. Today, we are once again looking to our alumni and friends, our passionate partners, to invest in student success by funding innovations in the education and practice of dentistry, and creating a scholarship fund that helps students with rising educational costs.

We know that the future of dentistry lies in the hands of our students. We believe that their success will help to ensure the success of our profession.

The new CU Dental Student Success academic campaign is centered on our goal to support each member of the student body by promoting their academic and professional development. Private support is critical to achieving this goal. Dean Kassebaum shares her insight into what makes this campaign special, why it is needed and how members of the school’s community can become involved.

CU DENTAL

STUDENT SUCCESS

CU Dental Student Success

There is a need to invest in the future of our profession by investing in our students today. Help us invest in our students and their success by joining our CU Dental Student Success Campaign.

CAMPAIGN GOAL:
The School of Dental Medicine will provide a supportive, culturally sensitive experience to all students to promote academic success, and to facilitate individual growth and professional development.

FOUR PILLARS:
1: Access and financial assistance
2: Inclusive environment
3: Evidence-based academic and clinical programming
4: Unique growth opportunities

Learn more online
www.ucdenver.edu/dentalstudentsuccess
Q and A with Dean Kassebaum

Q: What is the CU Dental Student Success Campaign?
A: The CU Dental Student Success campaign is an academic and fundraising initiative to support our students, provide them with a strong faculty and robust curriculum, in a culturally sensitive environment that promotes their individual growth and professional development. We will plan and track the impact of our campaign around four pillars: ensuring access and financial assistance; building an inclusive environment; offering evidence-based academic and clinical programs; and providing unique growth opportunities for students.

Q: Did the school launch this campaign in response to specific pressures?
A: As a school and dental professionals, we are constantly balancing internal and external pressures and expectations. At a time when student debt is rising, our profession is in transition as it continues to evolve to meet changing demographics and population needs. We want our students to be prepared for an exciting future by equipping them with the knowledge, skills, and experiences that will ensure their future success.

Q: How does the campaign reflect the trends and changes in the dental profession?
A: We know there are important trends in the profession around the use of technology, improving access to care, and the building of health care teams for possible new models of practice where the medical and dental homes are together. The national concern about student debt underlies all three of these trends. We have examined these trends and looked at the needs of our students. We believe that a coordinated campaign and fundraising initiative gives us the structure necessary to engage our stakeholders, support our current students and build a pipeline of high quality students who can assume their future roles as generalists and specialists.

Q: Why is it important to launch something like CU Dental Student Success now?
A: We recognize that the dental professionals of tomorrow will need new skills and a new focus. Our faculty are anticipating the changes and this includes broadening our educational focus. The launch of our campaign is a natural evolution from concentrating on individual aspects of dental education, to having a more comprehensive focus on the entire educational environment and to create globally-minded graduates. We believe that an intentional investment in our education environment, which includes investments in our students, faculty, programs and research, will support contemporary, globally-minded graduates.

Q: Why did the school connect a fundraising initiative to the overall campaign?
A: Student support and institutional investments come in many forms. We are grateful for the volunteer hours, advocacy and community support that we receive. Financial investments in our students, pipelines into the profession, and advancements are necessary to accelerate our goals and plans. Fundraising is therefore fundamental to our success.

Q: How much private funding do you plan to raise?
A: We set an ambitious goal of raising $10 million to support the CU Dental Student Success Campaign. We are confident that when we engage our partners in a conversation, their passions and our goals will align so we can designate their support to positively impact the students we educate and communities that we serve.

Q: How are you involving alumni in the campaign?
A: Our dental alumni are essential to the success of the CU Dental Student Success Campaign. Based on their own experience and professional lives, alumni can help to inform many aspects of the campaign. We are creating committees of volunteers, to include a special committee of alums, who will help guide new initiatives.
It was an emotional moment for Chelsea Shellhart, DDS when she received her academic hood on the dental medicine convocation stage May 23, 2014. Shellhart, accompanied and hooded by her father, orthodontics chairman William Craig Shellhart, DDS, MS and her grandfather, retired dentist William E. Shellhart, DDS, represented a third generation dentist in the Shellhart family.

“As I stood at graduation, with my father on my left and my grandfather on my right, I was struck by the significance of time as it moves across people’s lives,” shared Shellhart. “I was struck by the huge sense of responsibility, the anticipation of my future ahead of me, and the gift that I have been given to be a part of this profession. My family has shared their heritage with me, and I am going to begin to care for the next generation of patients.”

Shellhart was one of 51 members of the Class of 2014 to graduate at the school’s annual convocation and University of Colorado Anschutz Medical Campus commencement, also held May 23. The annual ceremony recognizes the graduating class as they are ushered into their new profession.

“The dental profession as a whole is welcoming us, the newest dental providers, to share in the responsibility and privilege of caring for people,” said Shellhart.

Shellhart, whose family has served the profession for a combined 80 years, will now move to Hilo, HI and begin a one-year Advanced Education in General Dentistry (AEGD) program.

Like Shellhart, fellow graduate Marisol King, DDS shared a special moment on stage when she was hooded by her fiancé and Class of 2013 alumnus Bryan Graziano, DDS and her sister Elizabeth Prishkulnik, DDS; while Joseph Crepps III, DDS received his hood from his father Joseph Crepps, Jr, MD. In total, 15 family members and mentors participated in the convocation as hooders, an honor reserved for immediate family members who hold a dental or medical degree, alongside faculty hooders Jack Goodrich, DDS and David Gozalo, DDS, MS.

For those who were first generation dentists, the event was no less of a family affair when their names were cheered loudly by the audience.

Graduate Joshua M. Nardone, DDS, celebrated convocation with the attendance of his family, including wife Lindsey and two children. Nardone, a four-year Air Force scholarship recipient, was one of three CU dental graduates sworn in as U.S. Air Force commissioned officers later that day.

“Immediately after graduation, Ryan Haywood, Ross Johnson, and I were sworn in as Captains in the U.S. Air Force, so that was a pretty neat thing that made the day that much more grand,” said Nardone.
Beyond the celebration and swearing in ceremony, the day was marked an important milestone for Nardone's family, as they prepare for his first station of duty. Nardone, whose father also served in the Air Force, choose the branch because of its reputation for being the best branch in which to raise a family. Nardone and his family will now move to Florida where he will begin a four-year assignment as a general dentists on MacDill Air Force Base in Tampa, Fl. “My 4-year-old son and 2-year-old daughter are excited to live by a beach but we’re going to miss hiking in the mountains,” said Nardone. “We are expecting our second son in October, so the changes the next several months should be pretty exciting.”

To all the graduates planning for exciting changes in their lives – congratulations and we wish you well. We hope that your time at the University of Colorado School of Dental Medicine served as a hallmark experience in your personal and professional careers.
ALUMNI AND FRIENDS

20TH ANNUAL

Golf Tournament

Thank you to the alumni, students, faculty and friends who joined the School of Dental Medicine Alumni Association for the 20th Annual Golf Tournament. We hope to CU next year!

Tournament Sponsors

Colorado Dental Association ■ Dr. Joel Chavez and Dr. Jim Sexton in memory of Dr. John Sexton ■ Dr. Cliff Litvak

Jordan York, DDS Class of 2015
Jim Woller, DDS Class of 2015
Chris Rogowski, DDS Class of 2015
Ross Conner, DDS Class of 2015
IN 2007 I GRADUATED from the University of Colorado Hygiene program and have since served as a board member for the Alumni Association.

As a practicing pediatric dental hygienist, I am proud to have received my education from the CU Dental Hygiene program and have found rewarding experiences in continuing to be involved with the Alumni Association. The school laid the foundation for my career by providing an education enhanced by state of the art facilities, highly educated professors, diverse rotations and great introductions in the dental community.

The academic experiences and life perspectives afforded during my time at University of Colorado Dental Hygiene program helped shape my work ethic, guide my hygiene vision and create leadership values that I have exemplified throughout my career. I appreciate the opportunity to continue to be a part of the CU School of Dental Medicine to see the improvements, attend supportive events and take continuing education courses. I enjoy being an active member of the Alumni Association as it keeps me involved with the school, students, professors and the dental community, all of which continue to evolve with the changes in dental medicine. Being a part of the CU Alumni Association is a great way to stay in touch with classmates and professors as well. The Association provides avenues to discuss current dental hygiene topics and new opportunities for hygienists in the dental community.

My hope is that by sharing my experience I could encourage others to give back by participating in the Alumni Association. Whether it be taking part in alumni events, mentoring students or contributing to our school in other ways, your involvement is extremely important and I encourage you to get involved today.

Warm regards,

Cora Wheeler, BSDH ’07
Vice President,
School of Dental Medicine Alumni Association

“...the University of Colorado Dental Hygiene program helped shape my work ethic, guide my hygiene vision and create leadership values that I have exemplified throughout my career.”
Class notes

William Bailey 1982  See article pg. 5
As Chief Dental Officer of the U.S. Public Health Service, Rear Admiral Bailey lead the Commissioned Corps of the U.S.P.H.S. dental professional affairs and advised the Office of the Surgeon General and the Department of Health and Human Services on the recruitment, assignment, deployment, retention, and career development of Corps dentists. Recently retired from the U.S.P.H.S., Dr. Bailey joined the faculty of the CU School of Dental Medicine in August 2014 as the inaugural Delta Dental Chair Endowed Chair in Prevention of Early Childhood Caries.

Shelley Kappel, DDS 1987
Since retiring from private practice in 1999, Dr. Kappel has been focusing on the relational and behavioral aspects of the practice. She is a collaborative leadership coach, facilitating dialogue among dentists, their teams, and patients. Dr. Kappel creates healthy practice cultures that foster trust, harmony, collaboration and open, honest feedback among all stakeholders. Work and life balance, ease, enhanced decision making, efficiency, effectiveness, and profitability is the outcome.

In memoriam


John Sexton, DDS 1980  Passed away April 27, 2014
Dentist and global health advocate Dr. John Sexton passed away April 27, 2014. Dr. Sexton, a 1980 alumnus of our school, practiced pediatric dentistry in Lakewood, Colo., for many years before retiring in 2009. While respected in the local community, his impact was felt far beyond Colorado. Dr. Sexton was a committed global health advocate and CU volunteer, having led many student dental missions overseas to Romania and Uganda. He was recognized as the CU Dental Alumnus of the Year in 2002 and was honored by the University of Stomatologie (Dentistry) in Iasi, Romania for his many years of providing dental treatment to orphans and other children of Romania. Dr. Sexton served on the Board of Directors for Mothers of Preschoolers (MOPS) International and was active in the American Academy of Pediatric Dentistry and the Metropolitan Denver Dental Society.

Dr. Sexton was survived by wife Barb Sexton and two daughters, 2007 dental hygiene alumna Cora Wheeler and Kendra Johnson.

If you wish to share a class note or in memoriam message, please send your alumni notes including your name and class year along with your in memoriam note to sdmalumni@ucdenver.edu.

Support that centers on student success

Dear Alumni and Friends,

Every year you give your personal time, your finances and your experience to help our students achieve academic and professional success.

Most everything that we do in partnership with you is centered on the success of current and future students. Whether you volunteer in our clinics, support annual traditions like the White Coat Ceremony, fund a scholarship or serve as an ACTS preceptor, your investment in student education is critical to the school’s success.

This year we have two initiatives. One is to continue this past year’s incorporation of scanning technology into our preclinical simulation lab. As you know, this exciting technology will provide our students with experience in contemporary technologies essential for the dentist of tomorrow but more importantly it provides virtual feedback in the preclinical learning environment that many of us would have appreciated as learners.

Secondly we can never do enough to connect our students to professional development experiences that promote life-long learning, including sponsoring student attendance at professional research conferences. When taken together, every investment that you make helps us transform a good dental education into a great one.

Thank you for your generous support this year and we hope to count on your continued support in the future.

Regards,
Lonnie Johnson,
DDS, PhD
Senior Associate Dean for Clinics and Professional Practice, University of Colorado President’s Teaching Scholar

Are you interested in investing in student success? We invite you to connect with a member of our alumni and development team by contacting sdmalumni@ucdenver.edu to learn more.
Continuing Dental Education

Topics in Medicine: Diabetes, Asthma, Pregnancy, and Dermatology
KAREN CHACKO, MD, Associate Professor, Department of Internal Medicine, University of Colorado School of Medicine
MARK DEUTCHMAN, MD, Department of Family Medicine, Associate Dean for Rural Health, University of Colorado School of Medicine; Professor, University of Colorado School of Dental Medicine
KAREN WHITE, MD, Associate Professor, Department of Internal Medicine, University of Colorado School of Medicine

Caries, Cracks, and Complex Pediatric Patients: Translating Evidence into Solutions
KATHERINE CHIN, DDS, MS, Assistant Professor, Department of Pediatric Dentistry, University of Colorado School of Dental Medicine; Clinical Medical Director, Children's Hospital Colorado
ROOPA GANDHI, BDS, MS, Assistant Professor, Department of Pediatric Dentistry, University of Colorado School of Dental Medicine and Children's Hospital Colorado
SCOTT HAMILTON, DDS, Assistant Professor, Department of Pediatric Dentistry, University of Colorado School of Dental Medicine and Children's Hospital Colorado

Periodontics and Implant Dentistry for General Dentists
SANGEETHA CHANDRASEKARAN, BDS, MS, MS, Assistant Professor, Department of Surgical Dentistry, University of Colorado School of Dental Medicine

Zirconia Restorations: Current Status and Guidelines for Success
BRYAN LIMMER, DMD, MS, Assistant Professor, Restorative Dentistry, University of Colorado School of Dental Medicine

Pharmacology Update 2015: What’s New & What’s Review
THOMAS FRENCH, PhD, RPh, Senior Instructor, Department of Pharmacology, University of Colorado School of Medicine

Dental Pain and Emergencies
SALLY PRESTON, DDS, Associate Professor, Department of Surgical Dentistry, University of Colorado School of Dental Medicine
SHIELA STILLE, DDS, Assistant Professor, Department of Surgical Dentistry, University of Colorado School of Dental Medicine

Dentists: Each Session: $125 | Early Bird Each Session: $95 ($30 discount!)
Dental Team Member: Each Session: $95 | Early Bird Each Session: $75 ($20 discount!)
Attention Alumni!

Did you know that CE is now required in Colorado?
On June 6, 2014, the House Bill 1227, the Sunset Review of the Dental Practice Act, was signed into law. Among other things, this law mandates 30 hours of continuing education per licensure cycle for dentists and hygienists. Additionally, the CDA now requires members to complete a minimum of 15 hours of continuing dental education credits per year to maintain their membership in good standing.

Visit cu4cde.com to join our mailing list and to learn about CE courses offered by the CU School of Dental Medicine. We have an array of courses coming up this year. The 2014 – 2015 Lawrence E. Meskin Clinical Update Series begins this fall and features seven, three hour courses. See the inside back cover of this magazine for details. **Power Up with CU Dental CE courses today!**

Help us shape our CE program and share your thoughts about the kind of classes you want and need to stay on the cutting edge of dental practice today. Your feedback is important to us and by completing this brief online survey, you will be entitled to a $25 credit towards your next registration for a Meskin Clinical Update Series dental education course! You will receive a promo code upon completion of the survey available at www.cu4cde.com.

Questions or comments?
Contact Erin Brenengen in the Office of Continuing Dental Education, School of Dental Medicine.
303.724.8726 or erin.brenengen@ucdenver.edu
cu4cde.com
Mail Stop F839 | 13065 East 17th Avenue, Room 104
Aurora, Colorado 80045
The Office of Continuing Dental Education

Our mission is to present courses in response to the interests of the dental community, to enforce the highest standards of instructional quality and to ensure diversity in programs consistent with the University’s commitment to academic freedom.