

The University of Iowa Department of Orthodontics

"Advancing Orthodontics, One Smile at a Time"



College of Dentistry and Dental Clinics



Dear Alumni and Friends,

For so many of us Dr. Bill Olin was a highlight of the College of Dentistry and The University of Iowa. Dr. Olin was a luminary, a legend in the treatment of craniofacial anomaly patients and in education of orthodontic residents.
... Tom



In Memory

Dr. William H. "Bill" Olin Sr., 93, died Monday, September 18th at University of Iowa Hospitals and Clinics following a sudden illness.

Bill Olin was born March 7, 1924 in Menominee, Michigan. He received his DDS degree from Marquette University in 1947, then attended the University of Iowa where he completed a residency in Orthodontics and an MS and Certificate in Orthodontics in 1948. That same year Dr. Olin was appointed as an assistant professor at UIHC. Dr. Olin's thesis study of facial deformities among children at the Glenwood School for the mentally handicapped sparked his life-long interest in craniofacial anomalies. He founded the Division of Craniofacial Anomalies at UIHC, and over his 44-year career there achieved international acclaim for his expertise, especially in the treatment of facial deformities. Over the years Dr. Olin has treated countless patients, written numerous scholarly articles, authored a pioneering textbook and contributed to many book chapters about cleft lip and palate and other facial deformities.

During his illustrious career Dr. Olin held many leadership positions in major professional organizations including as president of the Midwest Orthodontic Society, the Angle Orthodontic Society and the American Cleft Palate Association, and served on numerous local orthodontic and dental organizations, and the UI Dental College and Board in Control of Athletics.



The Big Data Project: Creating an Immense Resource for UI Researchers and Health Care Providers

The College of Dentistry & Dental Clinics (CoD), University of Iowa Hospitals and Clinics (UIHC), and the Center for Developmental Disabilities (CDD) have embarked on a collaborative project to link up more than 250,000 unique patient records from the UIHC, CDD and the CoD. The Big Data Project's goal is to create an immense resource for UI researchers and health care providers. A \$600,000 three-year grant from the Roy J. Carver Charitable Trust is supporting this goal as part of the Biorepository project.

Associate Dean for Research Brad A. Amendt, Dr. Veerasathpurush Allareddy, a researcher in the Department of Orthodontics, and Mr. Chuck McBrearty, director of the CoD's Dental Technology and Media Services, have been instrumental in organizing this project.

Epic, a medical software application, contains the UIHC medical data while the CoD's axiUm system stores dental health records. A database

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in the UI Institute for Clinical and Translational Science (CTSA) is hosting the axiUm and Epic data, which will be used for research purposes.

Progeny, a genetic data management software product, will house the patient specimen and pedigree information. Its database fields can be custom designed to accommodate various research projects. Barcoding capability will enable a user to produce a numbering system and track specimens in freezers. Housing RNA and DNA samples from saliva, tissue and tooth samples in Progeny will enable UI faculty and scientists to request patient information on particular medical issues (e.g., periodontitis or diabetes).

“The associations between oral health and systemic health are well documented,” says Dr. Allareddy. “The combined data repository has the potential to take this area of research to the next level. Some of our team’s recent studies (published in Bone Marrow Transplantation, Journal of Evidence Based Dental Practice, etc.) have shown that those having dental lesions, such as gingivitis, periodontitis, periapical abscesses, etc., are associated with higher hospital charges and length of stay in hospitals. These patients are also at a higher risk for developing infectious complications following complex surgical procedures.”

“Integrating dental and medical records via the combined repository will enable us to examine multiple health-related outcomes at the level of each individual patient, hospital, and society as a whole,” Allareddy adds. Better communication between physicians and dentists, he believes, will result in the improved health of patients and communities by creating an inter-professional collaborative practice model that integrates oral and systemic health care delivery. This project, he says, may provide a “causal pathway” for determining the impact of oral health on systemic health (and vice versa), eliminate health disparities, and improve access to care.

In keeping with the 1996 Health Insurance Portability and Accountability Act (HIPAA), information taken from patient records will be limited to only what is necessary for a research project. Each project will require the approval of the University of Iowa Institutional Review Board (IRB).

The Biorepository project’s researchers, Dr. Azeez Butali, IIOHR, and Department of Oral Pathology, Radiology and Medicine; Dr. Arwa Owais, Department of Pediatric Dentistry; and Dr. Veersathpurush Allareddy, Department of Orthodontics, are already benefiting from the combined datasets. “To date we’ve been able to merge data for about 250,000 individuals,” says Butali. “This dataset will support our R21 grant, which is studying the impact of systemic diseases on oral health, and our Precision Medicine Grant in 2017. We’ll be able to recall subjects with existing data for biological samples, to improve health outcomes.” Karen Kluesner and Amber Marolf are collecting the saliva, teeth and tissue samples. Karen calls Progeny “the Cadillac of databases” and says, “It’s important to think ahead, to anticipate what types of information researchers might want in the future.” In talking with different departments at the CoD, the biorepository management team has received positive feedback about using the project’s big data for possible future research projects.

Dr. Allareddy agrees and envisions many future research projects. “This is an exciting time to conduct big data analyses,” he says. “The possibilities are numerous.”



*FROM "The Practice
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Pictured from left, are Dr. Herbert Hoover Hughes, Dr. Herb Marshall Hughes, Dr. Justin Hughes and possible future orthodontist Caleb Alexander Hughes. Dr. Herb Hughes, in practice for 31 years, has led updates to the Hughes Orthodontic practice business strategy designed to attract more adult patients.

Dr. Austin Foster



IOWA Society of Orthodontists - October 8-9, 2017



Drs. Eric Bell, Tom Welk, Clint Wire, Tommy Crary, Lina Alsibaie, Kirsten Frazier, Nick Pappas



Drs. Wendall Stuntz, Carney Loucks, Brad Hoppens



Drs. Kyle Mann, Matthew Croco



Drs. Teresa Salina-Hugg, Karin Southard, Judy Demro



Drs. Lee Willham, Willie Olin

Dr. Brad Edgren was inducted as a Fellow of the International College of Dentists (ICD) at its Annual Convocation in Atlanta, Georgia on October 19, 2017. The ICD was established in 1920 to recognize dentists and dental specialists who have proven "outstanding professional achievement, meritorious service and dedication to the continued progress of dentistry for the benefit of humankind." Nominated dentists and dental specialists from around the world are selected for ICD membership by a confidential peer review process. Dr. Edgren is the author of 23 clinical and research orthodontic publications, involved in current orthodontic research and has lectured more than 30 times to multiple universities and orthodontic conferences across the United States and abroad.

Dr. Edgren is board certified by the American Board of Orthodontics, an author and international lecturer on clinical orthodontics, advisory editor of Orthodontic Practice Journal U.S., member of the prestigious Edward H. Angle Society of Orthodontists, and a Fellow of the American College of Dentists. He maintains his full-time practice in Greeley.



Meet our Grad Crew



Dr. Eric Bell



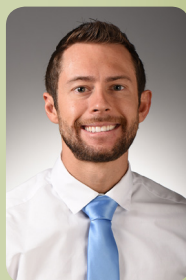
Dr. Kirsten Frazier



Dr. Paul Hechler



Dr. Thomas Welk



Dr. Clint Wire



Dr. Lina Alsibaie



Dr. Sam Christensen



Dr. Thomas Crary



Dr. Austin Foster



Dr. Nicholas Pappas

Eric Bell - From: Little Falls, MN, *Dental School*: Creighton, *Hobbies*: Spending time with my wife (Jess), daughter (Charlie) and dog (Sherlock). When not with the family, I enjoy golfing, basketball, soccer and the occasional ping pong game.

Kirsten Frazier - From: Bourbonnais, IL, *Dental School*: UIC, *Hobbies*: Spending time with my family & friends, playing volleyball, reading, running & swimming.

Paul Hechler - From: Kansas City, KS, *Dental School*: UMKC, *Hobbies*: Golfing, marathon running, playing with my two dogs (Nike & Dave), planning my wedding with my soon to be wife, Liz.

Thomas Welk - From: Bismark, SD, *Dental School*: University of Iowa, *Hobbies*: Spending time with my wife (Morgan) and 2 year old son (Greyson), golfing & hanging out with friends.

Clint Wire - From: Olympia, WA, *Dental School*: University of Utah, *Hobbies*: Skiing, motorcycles, sports, running & spending time with friends.

Lina Alsibaie - From: Chicago, IL, *Dental School*: University of Louisville, *Hobbies*: Read, play cards, cook (and eat), spend time with family and friends.

Sam Christensen - From: Waterloo, IA, *Dental School*: University of Iowa, *Hobbies*: Golf, cooking with my wife, Natalie, spending time with our dog Ari.

Tommy Crary - From: Minneapolis, MN, *Dental School*: University of Iowa, *Hobbies*: Working out, golf, DIY projects, camping and volleyball.

Austin Foster - From: Des Moines, IA, *Dental School*: University of Iowa, *Hobbies*: Lifting weights, swimming, golf, reading, volleyball and impersonation-based comedy.

Nick Pappas - From: Poquoson, VA, *Dental School*: VCU, *Hobbies*: Working out, burritos, spending time with my wife and two dogs.

FIRST YEAR

SECOND YEAR