Greetings from University of Illinois at Chicago (UIC)! We have exciting developments to share with our colleagues. In May 2019, an outstanding cohort of residents graduated from our program.

From Left to Right: Celebrating their graduation were Drs. Kan Tsunoda, Harrison Siu, Rutger Stache, Henna Abbasi, Maysaa Oubaidin, Zesheng Chen, Lauren Gordon, Nisha Garg, and Ben Youel.

Our new class of residents (Drs. Raj Desai - Columbia University, Peter Durbin - University of Michigan, Matan Moshe Farhi - UIC, Jessica Hedger - UIC, Karen Homsi - UIC, Ruidan Ma - University of Pacific, Vivian Snider - Columbia University, Samim Taraji - UIC, and Michael Yang - University of British Columbia) joined us on July 1st!

After over 40 years of service, Dr. Chester Handelman will be retiring from clinical supervision activities. His contributions to adult orthodontics and interdisciplinary care focusing on periodontal health and TMJ disorders are immense.

After 57 years of service to UIC, Dr. Haas (Clinical Professor of Orthodontics) has decided to retire from his monthly teaching activities. His contributions to Orthodontics and to UIC are immense. Several generations of Orthodontists have been taught by Dr. Haas. He will be dearly missed by the UIC family. Please click on the link below for the piece that American Board of Orthodontics wrote about Dr. Haas.

Dr. Haas!

We are very thankful to our alumni and friends for their continued support to the UIC Department of Orthodontics. Our Alumni and friends supported Endowments that are enabling us to conduct high quality research. The Dr. Allan G. Brodie Craniofacial endowment funds clinical and translational research to bring the most advanced 21st century technology, leadership and innovative science to the Brodie Institute and accelerate discovery that brings novel treatments and interventions to patients in Chicago and around the world. Our model of translational research is based on bioinformatics and to use massive repositories of clinical genetic data in order to identify patterns relevant to the delivery of clinical care. We are in the process of creating a named research center and establishing a state of the art 3D Imaging lab to further our imprint in areas of big data analytics, clinical and translational orthodontics, and craniofacial growth and development. The 3D imaging lab will primarily serve departmental faculty and residents working on 3D research on topics such as sleep apnea/airway management; growth and development; surgical outcomes assessment; CAD/CAM orthodontic appliances. The lab will enable us to implement digital technology in our curriculum, develop a comprehensive digital orthodontics course for our residents and also continuing education workshops covering: diagnostics and treatment planning, multiple imaging acquisition technology, real-time simulation, virtual appliance construction monitoring and adjustment as well as overcoming obstacles in pre-programmed appliances, and assessment and evaluation of treatment outcomes.

With support of our alumni and friends, we are in the process of creating several resident scholarships. During this academic year, we created an Endowed Scholarship for our residents. This scholarship provides $20,000 annually in tuition support.

Our alumni reception was held during the AAO meeting (May 2019) in Los Angeles. The event was very well attended and it was a great get-together of the UIC Orthodontics family. We are in the process of creating “Alumni-Resident mentorship program/rotation”. We will be pairing our current residents with alumni to explore practice opportunities and learn more about practice management.
Awards for UIC Orthodontic Faculty Members

- **Dr. Therese Galang** received Chairs and Academic Administrators Management Program (CAAMP) training scholarship award from the AAO.
- **Dr. Mohammed Elnagar** received American Association of Orthodontist sponsorship for Academy of Academic Leadership – Institute for Teaching and Learning Fellowships (ITL) Program.

Awards for UIC Orthodontic Residents

Dr. Lauren Gordon, Orthodontics Resident, received a Professional Student Dr. Martin Luther King Jr. Scholarship Award from UIC. Congratulations, Dr. Gordon!
Research at UIC Orthodontics

We have had a productive year doing high quality research. In the past academic year, our faculty members and residents published 31 articles in peer-reviewed journals and 2 book chapters. Several of our faculty members and residents presented at national meetings such as the AAO and AADR/IADR. We also obtained four grants to further research. Below are the details -

Department Peer Reviewed Publications (July 2018 to June 2019)


Book Chapters


Department Presentations at National Meetings (July 2018 to June 2019)


3. Atsawasuwan P. A novel approach to predict cervical vertebra and midpalatal suture maturation. Oral presentation at the AAO annual meeting in Los Angeles, CA on May 4-7th.

4. Caplin J. Average Acid Etching Times Prior to Orthodontic Bonding Utilizing Different Etching Protocols. Poster presentation at the AAO annual meeting in Los Angeles, CA on May 4-7th.


7. Elnagar M. Evaluation of dentofacial transverse widths in growing and adult individuals with an average facial pattern. Poster presentation at the AAO annual meeting in Los Angeles, CA on May 4-7th.


International Invited Talks by UIC Faculty Members (July 2018 to June 2019):

1. Dr. Tsay was invited as a speaker at the Annual Meeting of Mongolian Association of Orthodontists, September 1,2, 2018; A speaker at 2018 Sino-US Forum of Orthodontics, October 25, 26, 2018, Nanjing, China; and as a speaker at a continuing education course entitled “Esthetic Practice and Considerations in Orthodontic Treatment”, Stomatologic Hospital of Guangzhou Medical University, China (December 2018).

2. Dr. Tsay gave a 2-day course titled “Facial Esthetics and Orthodontic Diagnosis, Treatment Planning, and Treatment Technique” to the orthodontic residents, faculty, and area orthodontists at School of Stomatology, Guangzhou Medical University, Guangzhou, China, in November 2018.

3. Dr. Tsay gave a 5-day continuing course: “Objective Based Orthodontic Technique (O.B.O.T.)” at Ulaan Baatur, Mongolia (September 2018).

4. Dr. Galang-Boquiren gave a talk titled “Updates in Dental Sleep Medicine for the Orthodontist” at the 10th Association of Philippine Orthodontists Regional Congress, Bohol, Philippines.

Grants Obtained by UIC Department of Orthodontics (July 2018 to June 2019):

1. Biomedical Research Award of the American Association of Orthodontists Foundation (PI: Phimon Atsawasuwan. A Novel Nanoparticle Delivery System of microRNAs for Orthodontic Purposes). This proposal was awarded the Fred F. Schudy Memorial Research Award.

2. Orthodontic Faculty Development Fellowship Award of the American Association of Orthodontists Foundation (PI: Mohammed H. Elnagar. Implementation of Dental Remote Monitoring). This proposal was awarded the Robert M. Ricketts Sunflower Orthodontics Fellowship Award.

3. Research Aid Award of the American Association of Orthodontists Foundation (PI: Shayna Azoulay-Avinoam, Project Mentor: Sath Allareddy. Novel Machine Learning Approach to Examine Surgical Outcomes in Patients with Craniosynostosis). The goal of this project is to use novel machine learning approaches to discern patterns in outcomes following surgical repairs of craniosynostosis and to build predictive models. We will use findings from the proposed study to build Machine Learning Algorithms that can be trained to be used in real world prospective clinical data with a continuous feedback loop to improve quality of care in patients with craniosynostosis surgical corrections.

Several of our faculty members were selected to serve in key roles in organized dentistry activities. Below is a list of regional and national appointments of our faculty members –

**Regional and National Appointments (July 2018 to June 2019)**

Dr. Therese Galang has been appointed to the following -

- **Trustee**, Illinois Society of Orthodontists
- **Secretary-Treasurer** – Illinois Sleep Society
- **Scientific Committee appointment** – American Academy of Dental Sleep Medicine

Dr. Jennifer Caplin was elected as the **Editor** of the AAO Society of Educators.

Dr. Sath Allareddy was selected to serve on the following

- The American Association of Orthodontists Foundation Planning and Awards Review Committee (PARC) for a three-year term.
- Chair the “**Big Data Task Force**” of the American Association of Orthodontists.
- “**National Director of Specialty Engagement**” of the National Dental Practice Based Research Network (Study funded by NIH/NIDCR) for a 7 year period (2019 to 2026).

**Remembering Dr. Arshad Mohammed:**

We are extremely saddened to report the demise of our resident, Dr. Arshad Mohammed, who died in a tragic car accident on March 28th at the age of 32 years. He was extremely well-liked by everyone here at UIC. Last spring, prior to dental school Commencement, Arshad received the Dr. Alan C. Peterson Scholarship. The scholarship is named for the late Dr. Alan C. Peterson, who graduated from the College in 1973. The criteria for the scholarship call for the recipient to exemplify compassion, dedication, and excellence in a clinical setting. We believe that everyone who knew Arshad would agree that he fulfilled these qualities and showed compassion and respect for his patients, fellow students and residents, faculty, staff, administrators, and friends. Arshad’s passing has been very painful for everyone who knew him. We can only imagine the thousands of lives he would have touched as a healing member of the dental profession.

*UIC Orthodontics Bow-Tie Day – in memory of Dr. Arshad Mohammed*
Dr. James J. Baldwin, part-time Clinical Professor of Orthodontics who retired in 2014, passed away on January 31st at the age of 93. Dr. Baldwin had taught at the College for 15 years, specializing in biomechanics. He was a pioneer in the development of the segmented arch technique. Dr. Baldwin also taught at the Indiana University Dental School.
I am very thankful to our residents, faculty, staff, alumni, and friends for fostering a culture of excellence at UIC!

Sincerely,

Sath Allareddy

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