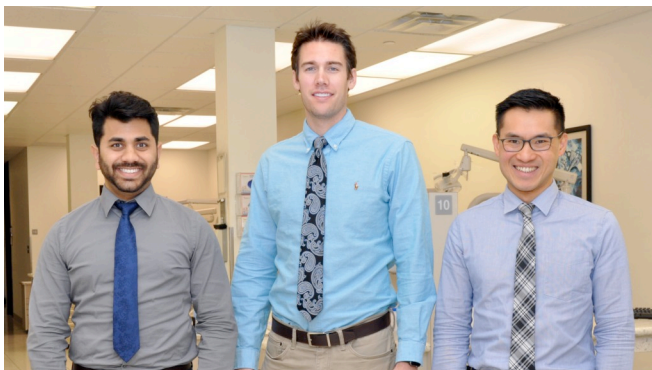


UNIVERSITY OF NEBRASKA

Introducing the orthodontic residents that began July 2017 (Graduating December 2019)



L to R: Dr. Jaykishan Patel, Dr. Bradley Herman and Dr. Yat Tang.

Bradley Herman (Brad)

Brad graduated from MidAmerica Nazarene University in December 2011 with a major in Biology. He graduated with his Degree in Dentistry from the UNMC College of Dentistry in May 2017.

Brad enjoys an active lifestyle including working out, playing tennis, hiking, soccer and golf. Before beginning the COD Orthodontic residency Program, Brad, accompanied by his wife of four years, Rachael, completed a vacation to Arizona. In addition to the ambitious goal of starting his own private orthodontic practice, Brad's active lifestyle has added "running a marathon" to his bucket list.

We are certain many Ortho Alumni share Brad and Rachael's enjoyment of Lincoln dining at Vincenzo's Italian Restaurant and Valentino's. Surprise Tidbit: among Brad's many accomplishments is the little known fact that he was an NCAA tennis player in college.

Jaykishan Patel (Jay)

Jay graduated from the University of North Texas in Denton, TX in 2013 with a B.A. in Biology and a minor in chemistry. He graduated with his D.D.S. in 2017 from the University of Texas Health Science Center at San Antonio, Texas.

Jay takes pride in being family oriented. He is the youngest and only boy in the family of Pravin & Rita Patel's of four children. All of Jay's sisters are married with the oldest sister and two children living in the Colony, Texas. The middle sister just got married this past spring in Cancun, Mexico and currently resides in New York City. Jay's youngest sister has one child and lives in Houston.

Jay has a hidden talent and enjoyment for playing drums. He has been playing some variation of a drum since he was 5 years old. He began with Indian drums called the Tabla and Dhol and transitioned to percussion from 6th grade through high school graduation. His talent earned him the honors of being the drum captain all 4 years of high school.

When Jay's girlfriend of three years, Krishna (a practicing dentist in San Antonio, Texas) visits Lincoln, Jay hopes to take in Pinnacle Bank Arena and Haymarket activities in addition to exploring the many miles of outdoor trails Lincoln has to offer. He hopes to add dining at The Oven and Oso Burrito, to the places he takes Krishna. Before beginning his orthodontic residency Jay completed a Costa Rican adventure where he zip lined the longest Latin American zip line at 450 feet in the air. Next was a waterfall repelling adventure. This was topped off with tours to observe some of the very exotic local flora and fauna.

After completing his orthodontic residency, Jay hopes to return to the Dallas-Ft. Worth area, beginning as an associate and then building his own practice. Adding to his post residency bucket list is visiting the Seven Wonders of the World.

Yat Tang (Yat)

Yat completed his D.D.S from the University of California, San Francisco prior to beginning the UNMC Orthodontic Residency program. In addition to his recent accomplishments in the dental field, Dr. Tang has a B.S. in Cybernetics from UCLA, and a Ph.D. in Computational Biology from Washington University in St. Louis. Among his other accomplishments is his Postdoctoral Training from The Genome Institute at Washington University as well as time as a Bioinformatics Scientist at Monsanto Company.

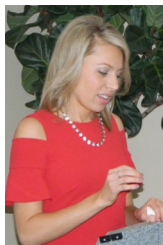
Yat has taken advantage of several recent opportunities to travel both abroad and within the US. In March 2017 he was able to travel to Japan and Hong Kong. Prior to beginning the residency program, Yat enjoyed a road trip exploring the Grand Teton, Yellowstone, and Mount Rushmore National Parks. Additionally in the travel genre Yat has a bucket list of travel wishes including backpacking trips (Europe, South America, Asia), long-distance cycling trip, and hiking the Appalachian Trail to mention a few.

The College of Dentistry Orthodontic residency program appealed to Yat because of the diverse range of malocclusion cases to learn from, the class size, the welcoming residents and faculty, and his interest in research and the opportunity to have time to pursue various research projects.

While in Lincoln Yat has expressed interest in trying a variety of venues including Blue Bloods Brewery, Amu Manu Ramen Bar, Toast, Schilling Bridge Cork & Tap House, The Oven, The Single Barrel, Mr. Hui's, Banhwich Café, Phat Jacks, Lan House and Lazlo's, in addition to exploring the cycling trails, music venues and Cornhusker sporting events.

His goals beyond the orthodontic residency program include pursuing an academic career as a clinician-scientist as well as working part-time in a private practice setting.

December 2017 Graduates:



Leslie Ellingson graduated from the University of Nebraska at Omaha with a Bachelor of Science in Biology. In 2015, she received her dental degree from the UNMC College of Dentistry. Following graduation Leslie plans to enter into private practice in Omaha.



Jacob Stadiem received his Bachelor of Science degree in Biological Sciences from Ohio State University. He attended Midwestern University-Arizona in Glendale and earned his dental degree. Jacob is moving to Greensboro, North Carolina, and start a private practice.



Kelsey White studied in Conway, South Carolina, at the Coastal Carolina University and earned her Bachelors of Science in Biology. She received her dental degree at the University of Missouri - Kansas City. Kelsey will be an associate at Trimmell & Anders Orthodontics in Wichita, Kansas.

2017 Orthodontic Resident Research and Thesis Presentations

Dr. Stadiem presented his thesis titled, *CPAP-MAD combination therapy for CPAP intolerant patients with moderate to severe OSA*. In summary; CPAP-MAD combination therapy for CPAP intolerant patients with moderate to severe OSA.

Dr. White presented her thesis titled, *Transcriptome profiling of cleft palate in TGF β 3-knockout mice alleles: RNA-seq analysis of TGF β 3mice*. In summary: Orofacial clefts are the most common craniofacial deformity with a complex, combinatorial etiology. This thesis is a global gene analysis of TGF β mouse alleles—TGF β is essential to proper palate fusion; further, TGF β knock-out mice exhibit cleft palate. Using RNA-sequencing, dysregulated genes were identified and explored comparing the wild-type and homozygous mice at crucial time points in palate development. Our objective is to identify genes functionally regulated by TGF β that may play a part in formation of cleft palate and may serve as potential targets for prevention.

Dr. Ellingson presented her thesis titled, *The effect of mechanical vibration on pain and rate of tooth movement during initial orthodontic alignment*. In summary: Investigating the effect of low and high frequency mechanical vibration on the pain experienced and rate of tooth alignment during the initial stages of orthodontic treatment.

New Full Time Orthodontic Faculty

Dr. Meenakshi “Minnie” Vishwanath



Hometown: Bangalore, India

Title and Department at UNMC:

Assistant professor,
UNMC College of
Dentistry, Department
of Growth and
Development,
Orthodontic Section

Research and Professional interests:

My primary area of interest is in the field of orthodontic biomechanics. It combines my interest in physics and orthodontics and has direct clinical implications. I also am passionate about researching various aspects of impacted canines and clinical challenges involving their treatment. Other major interests are orthognathic surgeries, both conventional and involving surgery first approaches, as well as interdisciplinary care of patients with cleft lip and cleft palate.

How I fell in love with my profession:

When I think of “my profession at UNMC” there are two aspects to it – orthodontics and teaching, and I love them both. Growing up in a family of academicians, the value of being a lifelong learner was instilled in me early on. This was followed by the realization that teaching is one of the best forms of learning and thus the natural progression into the academic world. It was a serendipitous event that led to orthodontics choosing me, and I am grateful to be part of this wonderful profession. I enjoy transforming smiles: sometimes confined to straightening a few crooked teeth and sometimes entire faces; sometimes those of children and sometimes those of adults who have waited for it all their lives. The gratification that comes from being a part of their lives and helping them make this journey into developing confident smiles is unparalleled.

Degrees:

- B.D.S., Pondicherry University, India
- M.D.S., (orthodontics) S.D.M. Dharwad, RGUHS, India
- M.Dent.Sc., (orthodontics) School of Dental Medicine, UConn Health Center, Farmington, Conn.

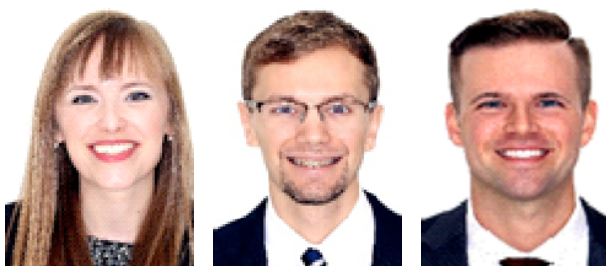
Memberships:

- American Association of Orthodontists
- International Association for Dental Research
- Membership in Orthodontics Royal College of Surgeons, Edinburgh

Three things people may not know about me:

- I love reading biographies and Wikipedia.
- I am an animal lover and ardent vegetarian.
- I am a yoga enthusiast

Incoming Orthodontic Class of 2020 beginning at UNMC July 2018:



Left to Right: Drs. Alaina Allen,
Kristopher Keller and Landon Petersen

Dr. **Alaina Allen** began her educational endeavors at the University of Nebraska-Omaha before transferring to Truman State University in Missouri, where she obtained her B.S. in biology in 2014. She will complete her D.D.S. here at the UNMC College of Dentistry in May 2018.

Dr. **Kristopher Keller** earned his B.S. in biology in 2014, and he will receive his D.D.S. in 2018, both from Texas A&M University.

Dr. **Landon Peterson** completed his undergraduate work at the University of Nebraska-Lincoln and received his B.S. in veterinary medicine in 2014. He will receive his D.D.S. from the UNMC College of Dentistry in 2018.

First Professor First Professorship of Orthodontics created at UNMC College of Dentistry



Mrs. Anne Cech

In July 2015 the First Professorship of Orthodontics was created at UNMC College of Dentistry as a result of the generous giving of Mrs. Anne Cech, widow of the late Dr. Henry Cech, Henry Cech, UNL Class of 1952, former Cornhusker basketball player, player, and an active alumnus. Dr. Cech received his dental degree in degree in 1956 and his orthodontic degree in 1958. He passed away away in 2011.

Henry and Anne Cech were actively involved in many university activities over the years. During this time, Anne and Henry generously supported the College of Dentistry. In 2006, they also helped fund a seminar room and library in the College of Dentistry building, which is located in Lincoln on UNL's East Campus.

Anne started the Dr. Henry & Anne Cech Professorship – an endowment to support faculty in orthodontics – to help a place and programs they love grow even stronger. She knows her gift would have pleased her husband.

For a short video featuring Mrs. Cech and the entire story written by foundation intern **Madison Wurtele**, click on the following link: <https://nufoundation.org/-/article-firstprofessorship-of-orthodontics-created-atunmc-college-of-dentistry>

Scholarly Activities

Publications:

Premaraj S, Luong B, Kim S, Premaraj T: *Cervical spine angles, craniocervical posture, neck length and oropharyngeal airway analyses of obstructive sleep apnea patients in both supine and upright positions: a retrospective three-dimensional imaging study, craniofacial growth series*. Monograph, In Press.

Premaraj T, Scott J, Burns M, Premaraj S: *CBCT evaluation of volumetric changes in the upper airway following repositioning the mandible to centric relation, craniofacial growth series*. Monograph, In Press.

Rector J, Kapil S, Treude KJ, Kumm P, Glanzer JG, Byrne BM, Liu S, Smith LM, DiMaio DJ, Giannini P, Smith RB, Oakley GG: *S4S8-RPA phosphorylation as an indicator of cancer progression in oral squamous cell carcinomas*. *Oncotarget*. 2017; 8(6):9243-9250.

Willett ES, Liu J, Berke M, Giannini PJ, Schmid M, Jia Z, Wang X, Wang X, Samson K, Yu F, Wang D, Nawshad A, Reinhardt RA: *Standardized Rat Model Testing Effects of Inflammation and Grafting on Extraction Healing*. *J Periodontol*. 2017; 88(8):799-807.

Holwegner C, Reinhardt AL, Schmid MJ, Marx DB, Reinhardt RA: *Impact of local steroid or statin treatment of experimental temporomandibular joint arthritis on bone growth in young rats*. *Am J Orthod Dentofacial Orthop*. 2015; 147(1):80-8.

Grants/Contracts

Premaraj S: *Gingival crevicular fluid levels of sclerostin during orthodontic treatment with fixed appliances*; UNMC College of Dentistry, Faculty seed grant; July 1, 2016–June 30, 2017.

Premaraj S: *Effects of flash-free brackets on plaque retention, development of white spot lesions, and bracket failures: a comparative clinical study*; 3M Unitek, Sept. 2015 – Dec. 2016.

Premaraj S and Datta K, PI: *Neuropilin-2 axis in docetaxel resistance and prostate cancer bone metastasis*, DHHS/NIH/NCI (1R01CA182435-01A1); Feb. 1, 2015 – Jan. 31, 2020.

Premaraj T: Luong B: *CPAP – MAD combination therapy for CPAP intolerant patients with moderate to severe OSA*. DH Reinhardt Scholar, July 2016-2017.

Premaraj T: *Ethnic variation in prevalence of congenitally missing permanent teeth among adolescence: 10-year evaluation of patients at UNMC*. UNMC College of Dentistry Student Summer Research Fellowship, June 2016-June 2017.

Premaraj T (co-investigator): *Curricular innovation application, case-based interdisciplinary team approach to treatment planning*. UNMC, Office of the Vice Chancellor, Oct. 2015.

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