



MIDWEST SOCIETY OF PERIODONTOLOGY NEWSLETTER

MIDWEST SOCIETY OF PERIODONTOLOGY 2018-2019 OFFICERS & EXECUTIVE COMMITTEE

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PRESIDENT'S MESSAGE

Greetings from Ann Arbor and Detroit, Michigan!

I hope everyone has enjoyed a restful and prosperous Summer as we move into the Fall season. On campus at the University of Michigan, the students have returned from summer break and the excitement, enthusiasm, and energy of the beginning of a new semester (and a new football season) fills the Ann Arbor air. Despite the hustle and bustle of our busy day-to-day schedules, we should all make time to reflect and appreciate how fortunate we are to be in this profession and the specialty of periodontics. It is truly humbling to serve as your President this year in that we have a leadership and membership which has not only played key roles in professional and academic communities at the regional level, but at the national level as well. Along these lines, please note that Dr. Steve Meraw (our current AAP District IV Senior Trustee) is running for AAP Secretary Treasurer. We encourage everyone, particularly newer and younger members, to look for ways in which you can engage and contribute to the organization and at the Academy level by becoming involved with different working groups and committees.



Beyond having significant influence in the AAP, our organization is highly regarded and our membership is well-represented having significant influence in a number of other organizations. Additionally, it is important that we all appreciate and be proud of the fact that it is well known that collectively, the membership and students from our Society have historically received the most awards of any other regional periodontal society in the country. A couple other regional periodontal organizations have undergone change at the leadership level through which their organizations are now run by outside, corporate management firms. In doing so, they significantly increased membership with general dentists and hygienists. Leadership in our organization made a decision that though we would like to increase our membership, we would also like to maintain the essence of what has made this organization special over the years and that has been its strong Executive Board, the richness of the scientific programs at our Annual meetings, and the highly accomplished and diverse membership in the academic and private sectors. We should feel fortunate to be working among such talented and dedicated people. A special thanks goes out to our Executive Director, Dr. Tim Walsh, who assumed this role late last year following the untimely loss of our former Executive Director, Dr. Greg Fauth, on the cusp of our Annual Meeting in 2018. Dr. Walsh was not only able to help guide us through another successful meeting, but over the past several months, has continued to drive significant progress of the organization.

This Fall, the Executive Board of the MSP will convene in Vancouver during the AAP meeting (October 27-30) to discuss issues raised and suggestions made by our general membership. Among the priorities for the organization are how we can enrich and increase our membership and how we can leverage opportunities and resources to yield greater benefits to existing members. Please mark your calendar for both this year's AAP meeting and next year's MSP meeting (February 22-24, 2019). An outstanding program has been put together for next year's MSP meeting with the theme being "Precision Management of Periodontal and Peri-implant diseases" (see details of scientific program below in Newsletter).

Enjoy the few remaining days of the rest of your summer and I hope to see many of you this fall in Vancouver, British Columbia at the Annual AAP Meeting.

Best,
Darnell Kaigler

2019 PROGRAM

62th MSP Annual Meeting February 22-24, 2019

RENAISSANCE HOTEL
Chicago, IL

The Future of Periodontics and Management of Peri-implantitis

Friday 2/22/2019

Limited Attendance Session

PM: Hands-on laser workshop (Sponsor: Morita)
Dr. Hom-Lay Wang
"Use of Er:YAG Laser for Management of Periodontitis and Peri-implantitis"

Saturday 2/23/2019 AM

Dr. Ken Kornmann
"The Future of Periodontics: Precision Management of Periodontitis and Peri-implantitis"

Saturday 2/23/2019 PM

Dr. Hom-Lay Wang (Sponsor: Morita)
"Update in Avoiding and Managing Peri-implantitis"

Sunday 2/24/2019 AM

Dr. Thomas Wilson (Sponsor: Hu-Friedy)
"Etiology, Therapy, and Maintenance for Peri-implant Disease"

EVENTS TO ATTEND at the AAP Meeting in Vancouver

District 4 Forum
SUNDAY, OCTOBER 28 FROM 12:45-2:15
VANCOUVER CONVENTION CENTRE

The District Forum provides you an opportunity to have dialog with your trustees about initiatives that the Academy is planning, and to learn about issues that are being addressed by the Board of Trustees. An agenda of Forum topics will be posted on the AAP website, perio.org, prior to the Annual Meeting

Welcome Reception
SUNDAY, OCTOBER 28 FROM 5:00-6:30
EXHIBIT HALL

Awards Ceremony
SATURDAY, OCTOBER 27 FROM 5:30-7:00 PM
ROOM: TBD

AAP Foundation scholarships and awards will be announced as well as all AAP Awards

General Assembly Business Meeting
MONDAY, OCTOBER 29 FROM 5:00 – 6:00 PM
VANCOUVER CONVENTION CENTRE, ROOM TBD

Voting members are encouraged to attend the General Assembly Business Session. This is the session which the Academy's budget for the coming year will be proposed, new and re-elected officers and trustees will be installed and outgoing officers and trustees will be recognized. AAP Foundation scholarships and awards will be announced.

The Title of the Winning Presentation at the 2018 Annual Meeting Student Reserach Forum

Dr. Erin Yu – University of Michigan

Sclerostin Antibody Stimulates Bone Regeneration and Osseointegration around Dental Implants

Our sincerest apologies go out to Dr. Yu for the misprint of the title of her presentation

UNIVERSITY OF MISSOURI-KANSAS CITY

Residents:

First and foremost, we want to extend our sincerest congratulations to UMKC Advanced Periodontics graduates, Drs. Patrick Driver, Cassandra McKenzie, and McClain Woolsey. Each successfully challenged the 2018 American Board of Periodontology's Oral Examination and are now Diplomates of our specialty. Job well done on this HUGE accomplishment! Our more recent graduates, Drs. Kiran Arora (Leawood, KS) and Jessica Scully (St. Louis, MO) are gearing up to take ABP's Examinations.

Our current senior residents, Drs. Elizabeth Baldwin, Tanner Brock and Rex Livingston are anxiously awaiting their December 2018 graduation and be the final chapter in our 2.5-year residency. Our current junior residents, Drs. Mark Hagan and Justin Tullis, will represent the first of our 3-year graduates, with an anticipated graduation date of May 2020. In addition to their busy clinic lives, our seniors continue to delve into clinically relevant research topics. Dr. Baldwin is exploring the reality of "white coat syndrome" in the dental setting, Dr. Brock is examining the efficacy of NSAIDS on post-op pain control and Dr. Livingston is investigating the relationship between periodontal disease severity and indicators of sleep apnea.

Following graduation, Dr. Baldwin is looking to practice in the local Kansas City area, Dr. Brock is exploring options in Kansas, and Dr. Livingston is hoping to make an eventual return to his home state of Mississippi.

Our second year residents, Drs. Hagan and Tullis are continuing to develop their skills and speed. Having just completed their hospital anesthesia rotations at Truman Medical Center Lakewood, they are excited about implementing I.V. sedation into their practices and taking on larger and more complicated surgical cases.

The UMKC Advanced Education in Periodontics program welcomed a new resident on July 1st. Dr. Philip Park completed his undergraduate degree at the University of Washington and his dental training at New York University. Following dental school, Dr. Park completed a GPR in the Navy at the Naval Medical Center San Diego and subsequently served several tours in the Navy. We are thrilled to now have him as part of our UMKC family.

Faculty:

The Department of Periodontics remains strong and we are proud to announce the arrival of Dr. Pierluigi Balice to our faculty. Dr. Balice hails from Italy and recently completed his periodontics residency at the University of Connecticut.

As always, a tremendous thank you also goes out to our invaluable part-time faculty: Drs. Mark Edwards, Michelle McHale, Nancy Newhouse, Jonathan Thomas and all the other faculty that volunteer their time in our Advanced Periodontics Clinic or conference room. Their insights and real world experience are vital to our residents' education and growth.

We would also be remiss if we did not thank all of those that participated in our Practice Management seminar over the past year: Drs. Andrew Dreyer, Mark Edwards, Michelle McHale, Cassi McKenzie, Seth Rush, Dave Thein, and Jason Wagle. We love our guest speakers and they definitely help fill the gap between institutional and real-world periodontics!

CODA Accreditation

Last November, our program was put under the microscope with the CODA accreditation site visit. All of the faculty worked extremely hard and we were rewarded with an "A" accreditation status. People should be breathing a bit easier for the next seven years!

Fedi Periodontics Lecture @ the Midwest Dental Conference:

The topic for the Pete Fedi Periodontics Lecture next year is "Legal and Ethical Issues Important to the Periodontal Practice." Our invited Speaker is Pamela Zarkowski who serves currently as the Provost and Vice President for Academic Affairs at the University of Detroit Mercy. Pam is a nationally renowned speaker on ethics in dentistry.

CASE WESTERN RESERVE UNIVERSITY

2018 Graduates

Dr Basmah AL-Amiri

She is back to Kuwait. She is a periodontist in Kuwait Hospitals and a part time teacher in Kuwait University. "...this was one of my goals after the great influence I had from Dr Bissada."

Dr Peter Amin

Dr Amin works currently in a private practice in Cleveland. He recently became a diplomate of the American Board of Periodontology and has published his thesis in Quintessence International Journal.

Dr Mark Hebeish

Mark became an ABP diplomate. He is now practicing in a private office in Dayton,

Ohio. His goals while practicing are to aim toward more involvement in research and volunteering in teaching institutions.

Dr Sorin Boeriu

After Finishing his residency, he went back to practicing and managing his multiple offices in Kitchener, Ontario

Fist Year Residents

Dr Ibrahim Alameri

- Graduate University of Baghdad, College of Dentistry in 2008
- Completed the CWRU SODM Periodontics Fellowship Program in 2017
- Upon Graduation, he worked as a general dentist prior to moving to the USA following his dream to further his education in dentistry. Dr Alameri has special interests in Periodontics and Implant dentistry.

Dr Karim Basta

- Graduate of Ain Shams University in 2010.
- Completed the CWRU SODM Periodontics Fellowship Program in 2017
- His interest in Periodontics began in his earlier college years where he attended many CE courses in Periodontics and Implant Dentistry. He also has a special interest in research.

Publications

Amin PN, Bissada NF, Ricchetti PA, Silva APB, Demko CA. Tuberosity versus palatal donor sites for soft tissue grafting: A split-mouth clinical study. *Quintessence Int.* 2018;49(7):589-598. doi: 10.3290/j.qi.a40510.

Bissada N, Tsigardia A. Mucogingival therapy. *Periodontal Literature Review Update.* AAP 2017

Cortellini P, Bissada NF. Mucogingival conditions in the natural dentition: Narrative review, case definitions, and diagnostic considerations. *J Periodontol.* 2018 Jun;89 Suppl 1:S204-S213. doi: 10.1002/JPER.16-0671.

Dababneh I, R., Al-Kaisil, N., Haddadl, N., Al Khouril, Z., and BISSADA, N.F., Aggressive gingival metastasis of adenocarcinoma of unknown origin: Case Report. *J. of Int Academy of Periodontol.* 2017;65-68

Ehab W. Moussa Nabil F. Bissada Comparative Outcomes of Miller Class III Gingival Recession Treatment Using the Tunnel or Coronally Advanced Flap Approach: A Case Report. *Clinical Advances in Periodontics* 2017; 35-41

Estemalik, J., Demko, C. Bissada, N.F., Nishant Joshi, Donald Bodner, Eswar Shankar and Sanjay Gupta: Simultaneous Detection of Oral Pathogens in Subgingival Plaque and Prostatic Fluid of Men with Periodontal and Prostatic Diseases. *J. of Periodontology* 2017;1-11.

Hearty, L., Demko, C., Bissada, N. F. & da Silva, Factors Influencing Dental Students' Interest in Advanced Periodontal Education: Perspectives of Department Chairs. A. P. B., Jun 1 2017, In : *Journal of Dental Education.* 81, 6, p. 691-695 5 p.

Jepsen S, Caton JG, Albandar JM, Bissada NF et al . Periodontal manifestations of systemic diseases and developmental and acquired conditions: Consensus report of workgroup 3 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. *J Periodontol.* 2018 Jun;89 Suppl 1:S237-S248. doi: 10.1002/JPER.17-0733.

Ozmeric, N., BISSADA, N.F. and Paes, A.: The association between inflammatory bowel disease and periodontal conditions: Is there a common bacterial etiology *J. Int. Academy of Periodontol.* 2017;20/2:40-51

Palomo J.M., El H., Palomo L., Strohl K.P., Upper Airway Cranial Morphology and Sleep Apnea (Chapter 12) W. Graber, Robert L. VANarsdall Jr., Katherine W. L. Vig. *Current Principles and Techniques* (Edition 6) Elsevier Health Sciences

Palomo L., ELshebiny T., Syed A., Palomo J.M. Measuring Bone with CBCT. *Cephalometry in Orthodontics: 2D and 3D.* Quintessence Publishing (In Press)

Palomo L., Thacker H.L. Postmenopausal Bone Loss, Periodontitis and Tooth Loss Are All Linked. *Menopause* April 2018

CASE WESTERN RESERVE UNIVERSITY

CONTINUED

Smuthkochorn S, Palomo JM, Hans MG, Jones CS, Palomo L. Gingival crevicular fluid bone turnover biomarkers: How post-menopausal women respond to orthodontic activation. *Am J Orthod Dentofacial Orthop.* 2017 Jul;152(1):33-37. doi: 10.1016/j.ajodo.2016.11.027.

Vernon, L. T., Da Silva, A. P. B., & Seacat, J. D. (Accepted/In press). In Defense of Flossing: Part II-Can We Agree It's Premature to Claim Flossing Is Ineffective to Help Prevent Periodontal Diseases? *Journal of Evidence-Based Dental Practice.* DOI: 10.1016/j.jebdp.2017.06.003

Williams KA, Mithani S, Sadeghi G, Palomo L. Effectiveness of Oral Hygiene Instructions Given in Computer-Assisted Format versus a Self-Care Instructor. *Dent J (Basel).* 2018 Jan 10;6(1). pii: E2. doi: 10.3390/dj6010002.

In Memoriam of..

Dr Juzer Chinwalla DDS, MSD

Dr Chinwalla earned his DDS and MSD degrees from CWRU in 1992 and 1995. He is a diplomate of the ABP. He practiced in Bloomindale and Darien, Illinois. He also served on the faculty of the University of Chicago and Midwestern University School of Dental Medicine. He passed away last August in a car accident. Our condolences and sympathy to his family.

Dr Ahmed Alzahrani, BDS, MSD

Dr ALzahrani, who earned his MSD and certificate in Periodontics at CWRU in 2012, became a diplomate of the ABP and was an assistant professor at the college of Dental Medicine, Umm Al-Qura University (Saudi Arabia). He received his bachelor's degree in Dental Medicine and Surgery from King Abdulaziz University in 2006. 'We have lost a talented and fine colleague much too soon,' noted Dr Nabil Bissada

UNIVERSITY OF IOWA

Greetings from Iowa City!

We have had a busy year with a lot of changes in our Department.

Dr. Georgia Johnson, Professor in Periodontics, stepped down as department head on July 1st, 2017. Thank you Georgia for your leadership in our department for almost two decades!

Dr. Gustavo Avila-Ortiz, Professor in Periodontics, was appointed new department head in November of 2017.

We are happy to announce the incorporation of Dr. Megumi Williamson as a new faculty member in our department in the rank of Assistant Professor. Dr. Williamson joined our institution in July 2018. She is originally from Niigata (Japan) where she obtained her D.D.S. and Ph.D. from the University of Niigata. She recently graduated from the specialty program at UNC in Chapel Hill. We are very fortunate to be able to count her in our team. Welcome Megumi!

At the end of June, we welcomed our new Class of 2021 residents, Dr. Madeline Swenson (DDS '18 University of Iowa) and Dr. Miguel Romero-Bustillos (DDS '13 University of Granada, Spain), who is in the path to complete a combined Periodontics - Ph.D. training, with partial support from the NIH, as part of the T90/R90 training program. We feel privileged for having such talented individuals joining our program and we look forward to witnessing their contributions to our specialty in years to come.

We are also very proud of our graduating class of 2018, which is constituted by Dr. Robert Swenson, originally from Utah, and Dr. Marian Antonious, originally from Los Angeles, California. Dr. Swenson is joining a private practice focused on Periodontics in the area of Salt Lake City (UT). Dr. Antonious is joining a local private practice in Iowa City and we are also excited to announce that she has been appointed Visiting Clinical Assistant Professor in the department. She will devote one day per week to teaching in our predoctoral clinic.

MAYO CLINIC

The program is in a year of transition as Dan Assad has reassumed the position of graduate program director. In the present capacity, he is acting as the interim program director with an organized search committee interviewing future consultants. Dr. Phil Sheridan has returned to the clinic on a part-time basis to provide additional clinic coverage.

Presently Dr. Zuly Fernandez has started her third year and Dr. Scott Lee his second year in the program. The program is authorized a total of two residents, consequently no residents started the program in 2018.

Previous research by Dr. Jason Naud, who completed the program in 2017 evaluating a neonatal collagen matrix for root coverage has been submitted for publication.

Congratulations to Dr. Naud for achieving Diplomate status from the American Board of Periodontology this year.

Dr. Naud has established himself as the “go-to” clinician in northern Minnesota. In one short year he will be considering hiring an associate in the not too distant future.

As a result of Dr. Naud’s research while in the residency, he has been asked to be a consultant to a company developing a dental material with the potential to replace existing materials presently being utilized.

Dr. Fernandez is actively involved investigating the impact of periodontal disease on cardiovascular patients awaiting valve replacement vascular surgery.

Dr. Lee has started to investigate the relationship of surgical complications of immediate implant placement and implant failure. The department has collated an implant data base over more than 30 years representing placement of more than 30,000 implants for Dr. Lee to review in a retrospective study.

Dr. Lauren Syrowik, a graduate two years ago, has established herself as the consummate clinician in a busy multi-office practice in Michigan. She and her husband Mat, welcomed a new addition to the family in 2018, their second son.

Additional research has been submitted resulting from a collaboration between Sarah Hoerler one of the department’s dental hygienist and the periodontal staff assessing the dental knowledge level of physicians, medical residents, and midwives involved in providing care to expectant mothers.

The prosthodontic division instituted a fellowship in Maxillofacial Prosthetics last year graduating the first fellows in June 2018. The division has separated the three year prosthodontic residency, formerly 4 years with a combined prosthodontic certificate and maxillofacial prosthetic certificate, into two separate programs of prosthodontics and one-year maxillofacial prosthetic fellowship.

Like all programs, the Mayo program is proud of all of the graduates, with 100% of the graduates in the last 15 years achieving Diplomate status.

SAINT LOUIS UNIVERSITY CENTER FOR ADVANCED DENTAL EDUCATION

Our program welcomes three new residents: Dr. Charlotte Best had her undergraduate education at the University of Missouri and achieved her dental degree, Cum Laude, from the University of Missouri in Kansas City. Since 2013, she has been in private practice with her father in Hannibal, MO.

Dr. Sridivya Kasinadhuni, from India, completed her dental education at Dr. D.Y. Patil Dental College and Hospital, MUSHS University in India. After graduation, she practiced as a general dentist and moved to the U. S. to complete her Master in Clinical Research and Regulatory Administration. She taught at UCLA School of Dentistry, and since 2016 is a Research Associate at Marquette University School of Dentistry.

Dr. Afnan Yousef, from Saudi Arabia, completed her dental education at Misr University for Science and Technology in Egypt. After moving to the U.S., she completed an externship program in periodontics at the University of Illinois at Chicago in January 2018.

Three residents graduated from the program this year: Dr. Ahmed Atarchi who is now practicing in Ohio, Dr. Amirezza Ghassemi who has joined the periodontal faculty at Southern Illinois University School of Dental Medicine, and Dr. David Summerford who is practicing in Alabama.

After more than 20 years as Program Director, our founder Dr. Doug Miley has stepped down from his leadership role and will continue as a part-time faculty in our program as well as at Southern Illinois University School of Dental Medicine. Dr. Doug Miley was honored with the American Academy of Periodontology -Outstanding Teaching and Mentoring Award for his contributions as an outstanding faculty member and mentor in Periodontics. Our new Program Director, Dr. Elio Reyes Rosales, is an alumnus of our program (class of 2006) and comes back with enthusiasm and a commitment to excellence. We wish Dr. Reyes Rosales a successful career.

OHIO STATE UNIVERSITY

At The Ohio State University (OSU) Graduate Program, we welcomed in late June the newest members of our Buckeye Periodontal family, the class of 2021: Dr. Chris Archer, who is a North Carolina native and a 2018 graduate of the East Carolina University School of Dental Medicine (Greenville, NC); Dr. Lilia Ferral, a Texas native and a 2015 graduate of the School of Dentistry of the University of Nuevo León (Nuevo León, Mexico); Dr. Aakash Mehandru, a native of Ohio and a 2018 graduate of the Lake Erie College of Osteopathic Medicine (LECOM) School of Dental Medicine (Bradenton, FL); and Dr. Ying Wang, a native of Japan and a 2014 graduate of the Kyushu University School of Dentistry (Fukuoka, Japan).

Also in late June, we celebrated the graduation of the class of 2018. All four of our graduating residents successfully completed their clinical training, defended their MS thesis or PhD dissertation, and received their certificate. Dr. Reem Andijani (MS '18) has returned to her native Saudi Arabia, where she is pursuing hospital-based practice. Dr. Sukirth Ganesan (PhD '18) is currently a clinical and post-doctoral research fellow at the NIDCR-NIH, in Bethesda, MD. Dr. Vrisiis Kofina (MS '18) will be starting her career as full-time periodontal faculty at Marquette University in Milwaukee, WI. Dr. Christina Zachariadou (MS '18), our 2017-2018 Chief Resident, has remained in Columbus to pursue a PhD degree in Oral Biology at OSU. Congratulations to the class of 2018!

Notable achievements by alumni and current residents during this past year include: Drs. Guo-Liang "Ike" Cheng ('17), Mariana Gil Escalante ('13), Ross Gordon ('17), and Allan Wattimena ('17) attained ABP Diplomate status this past May. At the annual AAP meeting in Boston, the OSU research contributions were strongly recognized, continuing a tradition that is now more than a decade long: Dr. Khaled Altabtbaei ('16) won the Balint Orban Memorial Award in Basic Sciences for his oral presentation on "Generalized Aggressive Periodontitis: A Periodontal Chimera"; Dr. Ganesan won the Research Forum Poster Session Award in Clinical Science for his poster on "Primed for Disease: Smoking and the Subgingival Microbiome", and Dr. Yun Wang won the Research Forum Poster Session Award in Clinical Impact for her poster on "Integrated miRNA and mRNA Expression Profiling to Identify Potential Therapeutic Targets for Gingival Wounds". This past February, at the annual MSP meeting in Chicago, Dr. Kofina was a finalist at the Student Research Forum and received an Honorable Mention for her oral presentation on "Buccal bone thickness in relation to flap blood perfusion and implant stability". Congratulations for these achievements!

Recent graduates, and faculty mentors, have been actively pursuing publication of their work. Below is a selective list of recent articles from OSU, published in the last 12 months:

- Kumar PS, Dabdoub SM, Hegde R, Nanditha R, Mariotti A. Site-level risk predictors of peri-implantitis: A retrospective analysis. *J Clin Periodontol* 2018 Jun; 45 Suppl 20: S162-S170 doi: 10.1111/jcpe.12946.
- Gibson MP, Tatakis DN. Treatment of gummy smile of multifactorial etiology: a case report. *Clin Adv Periodontics* 2017; 7:167-173. doi: 10.1902/cap.2017.160074.
- Gordon RI, Parashis AO, Tatakis DN. Extraoral uses of autologous oral soft tissue grafts: a different bridge between mouth and body health. *Clin Adv Periodontics* 2017; 7:215-220. doi: 10.1902/cap.2017.160076.
- Shah SA, Ganesan SM, Varadharaj S, Dabdoub SM, Walters JD, Kumar PS. The making of a miscreant: tobacco smoke and the creation of pathogen-rich biofilms. *NPJ Biofilms Microbiomes*. 2017 Oct 24;3:26. doi: 10.1038/s41522-017-0033-2. eCollection 2017.

Residents and faculty enjoyed presentations from guest lecturers, including our Adjunct Faculty. Dr. Andrea Pilloni (Sapienza University, Rome, Italy) on periodontal regeneration; Dr. Philipp Sahrman (University of Zurich, Switzerland) on peri-implantitis therapy; and Dr. Samer Khoury (OSU '07) on guided dental implant surgery and on the business aspects of periodontal practice. Our program was one of the 2017 recipients of a Charles W. Finley Visiting Scholar Education Grant by the AAP Foundation; Dr. Charles Cobb, Professor Emeritus, UMKC School of Dentistry, delivered the Finley Lecture at OSU on "Lasers and the treatment of periodontitis".

We look forward to seeing all OSU alumni and friends at our annual Buckeye Reception, which will be held at 7:00 pm on Sunday, October 28, 2018, during the upcoming AAP annual meeting in Vancouver, Canada. The reception will be held in the Terrace Room of the Fairmont Waterfront (co-Headquarters Hotel), located at 900 Canada Place Way, Vancouver. We hope all of you will be there to join us.

INDIANA UNIVERSITY

Graduate Class of 2018:

We have recently bid farewell to three graduating students: Drs. Hawra AlQallaf, Jennifer Chang, Kelly Hill, and Srividya Prabhu. Dr. AlQallaf has decided to extend her stay at IUSD and is presently enrolled in a 1-year implantology fellowship at the IUSD Implant Center. Dr. Chang has accepted a full-time faculty position in the Department of Periodontics at the University of Texas Health Science Center in Houston. Drs. Hill and Prabhu have entered private practice. Dr. Hill has purchased a practice in Elkhart, IN and Dr. Prabhu is working as an associate in the greater Cincinnati area. We wish all of our graduates the best in their future endeavors and look forward to future successful achievement of ABP Diplomate status.

All of the above graduates have successfully defended their research projects in late June, submitted manuscripts for publication and were awarded their MSD degrees. Dr. AlQallaf's research project investigated the expression profiles of soluble TLR-2 (sTLR-2) and soluble TLR-4 (sTLR-4) with paired epithelial cell-associated TLR-2 and TLR-4 in chronic periodontitis. Dr. Chang compared the amounts of growth factors from platelet-rich fibrin (PRF) between patients with periodontitis and periodontally healthy subjects, and evaluated the relationship between the amounts of growth factors from PRF and the white blood cell (WBC) and platelet counts, and pro-inflammatory cytokines (IL-1 β , IL-6, and TNF- α). Dr. Hill evaluated the success, survival and failure rates of implants placed in patients in the IUSD Graduate Periodontics Clinics over a 4-year period and additionally examined associated risk factors in these implant patients. Dr. Prabhu investigated whether the use of audio-visual learning aids, recorded from the point-of-view of examiners, would improve the efficacy and accuracy of probing depth measurement when used for instruction of dental students.

Incoming Graduate Students:

We now have four new graduate students who joined the program in July. Dr. Chandni Batra is a 2012 graduate of Manipal College of Dental Sciences (India) and completed a periodontal residency at Vokkaligara Sangha Dental College in Bengaluru, India. Dr. Niloufar Daneshparvar is a 2013 graduate of Tehran University of Medical Sciences (Iran) and recently received a certificate in public health from Texas A & M University. Dr. Takahiro Fujii is a 2014 graduate of Kyushu Dental University (Japan) and completed a residency in oral maxillofacial surgery at Yamaguchi University in 2016. Dr. Upasna Janu is a 2011 graduate of Bapuji Dental College (India) and completed a one year observership in the Department of Oral Immunology and Infectious Diseases of University of Louisville School of Dentistry. We are excited about them joining the program in light of their diverse training and backgrounds.

Student Awards:

The recipient of the Henry M. Swenson Award for Clinical and Didactic Excellence in Graduate Periodontics for 2017-2018 were third year residents, Dr. Kelly Hill and Dr. Jennifer Chang. Dr. Jennifer Chang was also selected as the recipient of the E.B.

Hancock Resident Award by her fellow residents as demonstrating the highest values of professionalism. Dr. Chang has received several awards for her research efforts. She received the Delta Dental Innovation in Oral Care Research Award (IUSD 2018 Research Day), the Osteology Research Prize in Clinical Research awarded by the Osteology Foundation, and 1st place in the 2018 Midwest Society of Periodontology Graduate Student Research Forum. Dr. Kelly Hill was awarded a \$25,000 Delta Dental Foundation Community Commitment Award for establishing a dental practice in an underserved area in NW Indiana. Dr. Yu-Ting Yeh was awarded a Delta Dental Foundation Dental Master's Thesis Award to help support his research project and Dr. Ahmed Ibraheem received 2nd place in the 2018 Southern Academy of Periodontology Billy M. Pennel Graduate Student Research Award Competition for his research on the effect of amniotic fluid on human periodontal ligament cells. Dr. Apoorv Goel received a \$2000 grant from the American Academy of Implant Dentistry Foundation to explore the possible repercussions of reusing dental implant healing abutments. We are extremely proud of these individuals for their awards as a testament to the quality of their research endeavors.

ABP Results:

Drs. Allison Marlow (2017), Takaaki Kishimoto (2017), and Archana Venkataraman (2016) successfully passed both the ABP Qualifying (Written) Examination given last August as well as the ABP Oral Examination in May 2018 and are our newest Diplomates of the American Board of Periodontology. Drs. Jay Bowling and Aaron Stanley (2017 VA grads) also successfully challenged both parts of the ABP board-certification examinations. Congratulations to Allison, Archana, Kishi, Aaron, and Jay for their truly outstanding efforts in preparation to successfully challenge this examination.

Faculty News

After serving three years on the board of the American Association of Women Dentists, Dr. Elizabeth Ramos is slated to begin a two-year term as Treasurer on the AAWD Executive Board. Dr. Ramos recently attended the Higher Education Resource Service Summer Institute for Women in Higher Education Administration at Bryn Mawr College. She has been selected as the IUSD Director of Program and Institutional Assessment and also serves on the IUPUI Program Review and Assessment Committee. Dr. Yusuke Hamada was selected as a recipient of the Osteology Educational Grant to attend the Osteology Research Academy in Scottsdale, AZ. Dr. Dan Shin was recognized and honored for his exemplary teaching by the class of senior dental students and was selected (again) to serve as a 'hooder' for the dental students at their May graduation ceremony. Dr. Shin was also chosen to participate in the AAP 2018 Leadership, Engagement, Action, and Development (LEAD) Program to be held in Chicago in September 2018. Dr. Vanchit John was recognized for his leadership by the 2018 IUSD graduating dental class and was also selected as a hooder for their May graduation. Dr. Steve Blanchard continues to serve as an Examiner for the American Board of Periodontology Oral Examination.

INDIANA UNIVERSITY

CONTINUED

Recent Departmental Publications:

Dukka H (2015), Gossweiler M, Kishimoto T (2016), Blanchard S. Periodontally Accelerated Osteogenic Orthodontics (PAOO) using platelet rich fibrin (PRF) alone: a modified approach with a 3-year follow-up. Clin Adv Periodont (accepted for publication May 2018)

Marlow AK (2016), Ramos E, Blanchard S. Verruciform xanthoma of the buccal gingiva: two cases with different clinical presentations. Clin Adv Periodont 2018;8:88-91.

Marlow AK (2016), Hamada Y, Maupome G, Eckert GJ, John V. Periodontal diagnosis and treatment planning among Indiana dentists, periodontists, and periodontal alumni: a multi-group comparison. J Dent Edu 2018; 82(3):291-298.

de Bedout T (2016), Kramer K, Blanchard S, Hamada Y, Eckert GJ, Maupome G, John V. Assessing medical emergency preparedness among different groups of dental practitioners and residents-an exploratory study. J Dent Edu 2018; 82:492-500.

Hamada Y, Goel A, Yeh Y-T, John V. Oral health implications of antiresorptive medications. Decisions in Dentistry 2018; 4:45-48.

Hamada Y, Goel A, Yeh Y-T, John V. The Use of Antiresorptive Medication in Clinical Practice -An update for the Dental Health Care Professional. Dimensions in Dental Hygiene. (Accepted for publication 2018)

De Santis L, Ghoneima A, Eckert G, John V, Stewart K. Preliminary Performance of the Advanced Dental Admission Test. J Dent Edu (Accepted for publication 2018).

We wish all District IV graduate programs a successful upcoming year and look forward to seeing you in Vancouver in October and at the Midwest Society of Periodontology Annual Meeting in February 2019.

MARQUETTE UNIVERSITY SCHOOL OF DENTISTRY

Program News

We are just starting the third year of the residency program. We have added three new faculty to our team: Dr. Mark Brunner, Dr. Swati Rawal, and Dr. Vrisiis Kofina. We traveled to Michigan this summer for Ramfjord Symposium as a group and were welcomed and treated to a first-class program and a role model residency program.

Our 3rd Year residents are continuing their research on the following:

Dr. Keerthi Kamreddy under the mentorship of Dr. Andrew Dentino project is "A Randomized Cohort trial on Early colonizers in adults with healthy gingiva."

Dr. Laxmi Sukhtankar under the mentorship of Dr. Arndt Guentsch project is Study "Accuracy and reliability of virtual planned implant placement using 3D printed surgical guides."

Our 2nd year residents are working on the following:

Dr. Kinan Al-Bitar is working under the mentorship of Dr. Arndt Guentsch, the project "Overall Health Related Quality of Life of Patients in a Clinic-based Sample"

Dr. Walaa Al Zaibak is working under the mentorship of Dr. Soni Prasad, the project "Peri-implantitis risk prediction using a computer based periodontal risk calculator tool: A 10 years retrospective study."

Welcome our first-year residents, Dr. Jeff Garcia and Dr. Austin Dodge

UNIVERSITY OF ILLINOIS AT CHICAGO

As we round the corner from summer and into the autumn of 2018, there have been many changes at UIC. Fortunately, all these changes are positive. When one reflects on such a special year, it is often hard to know where to start.

Earlier in the year, we proudly dedicated the Periodontal resident room. This remodeling was made possible by a generous donation from Drs. Marty Kolinski and Tricia Crosby and in order to commemorate this event, the room is now named the "Kolinski-Crosby Perio Resident Room".

Other recent generous donations to the Department of Periodontology have resulted in the following improvements:

Dr. Frank A. and Christine Maggio Sterilization Room

Dr. Thomas and Maria Braun Surgical Operatory

Drs. Stephen B. Towns, Jeanette Holloway, Clarence Towns, Jr. and Eleanor Towns Surgical Operatory

Drs. Alan L. Rosenfeld and Leon D. Rosenfeld Resident Workstation

Drs. Terry Annex, Erwin Barrington, Bennett Klavan, Jerry Miller and Michael B. Hagearty Resident Workstation

The Class of 1981: Drs. Andrew W. Brower, James D. Kasolis, Timothy P. Walsh and Michelle N. Zmick-Garfield Resident Workstation

We sincerely thank all of those who have generously given to UIC Perio and hope that all Chicago alumni (UIC, Northwestern and Loyola) will consider giving in the near future. This is for the betterment of those that carry the banner of UIC and of all Chicago trainer Periodontists!

This past spring, the department welcomed Dr. Jessica Finkielstein as our chief resident for the 2018-2019 academic year. Jessica is originally from the Boston area, and attended dental school at Boston University. She brings a fresh attitude into the position and we look forward to working with her throughout this year. After graduation she will be staying in the Chicago area to build a home and career with her husband, Michael, who is originally from Chicagoland.

At the end of our academic year, which is in May, we said goodbye to our graduating class of residents: Drs. Farah Shakir, Ana Nikolova and Taylor Newman. They all plan to remain in the Chicago area. Even if you are not already familiar with them, you soon will be; as they are a part of the new young clinicians who are not only extremely intelligent but have outstanding surgical skills.

The graduating class of 2017 members, who took the ABP Oral Examination, were successful in their challenge. Congratulations to Drs. Allie Seal, Julio Obando and Josh Hassan. Additionally, our faculty member, Dr. Michael Scherman is to be commended for also completing the ABP examination process.

The Department is extremely proud to bring in the fold, five extraordinary PGY1 residents:

Debra Westervelt-completed her dental degree at UCSF and has practiced general dentistry for several years in Napa Valley.

Marrum Haroon-has finished a year long internship in Periodontology at U. Kentucky. She initially received her BDS in Pakistan.

Manali Tanna Madhavani-received her dental degree here at UIC (Advanced Standing). Her original BDS was from India.

Lisa Park-is a Korean national, who completed her dental education at U Detroit Mercy

Tyler Haradon-finished his dental requirements at Colorado U. He will be following his father's footsteps (Perio UTHSCSA) into a Perio practice located in Colorado Springs.

Changes have occurred in the Undergraduate department as well, unfortunately, we recently have had one of our valued FT junior faculty resign. Dr. Fatimeh Gholami, made the difficult decision to depart UIC and join her husband in south Florida. Perhaps, it is our wish that this decision was difficult, it was probably very easy for her to make. Additionally, a valued member of the UG faculty, Dr. Kevin Luan, is attending the AAP leaders development program and recently attended the AO Summit with Drs. Clark Stanford, Lyndon Cooper and Dwayne Karateew.

2018 Department Publications

Richard B, Swanson R, Izaguirre G, Olson ST, "Cooperative Interactions of Three Hotspot Heparin Binding Residues Are Critical for Allosteric Activation of Antithrombin by Heparin." (2018) *Biochemistry* 57, 2211-2226.

Bahcall, Xie and Ashrafi . The Importance of Obtaining a Pulpal and Periradicular Diagnosis Prior to Restorative Treatment. *Compendium*. In press.

Fiorellini JP, Norton MR, Luan KW, Kim DM, Wada K, Sarmiento HL. Alveolar Ridge Augmentation with Three-Dimensional Printed Hydroxyapatite Devices: A Preclinical Study. *Int J Periodontics Restorative Dent*. 2018;

Michalczyk ER, Chen L, Fine D, Zhao Y, Mascarinas E, Grippo PJ, DiPietro LA. Pigment Epithelium-Derived Factor (PEDF) as a Regulator of Wound Angiogenesis. *Sci Rep*. 2018 Jul 24;8(1):11142. doi: 10.1038/s41598-018-29465-9.

Nagaraja S, Chen L, DiPietro LA, Reifman J, Mitrophanov AY. Computational analysis identifies putative prognostic biomarkers of pathological scarring in skin wounds. *J Transl Med*. 2018;16:32. PubMed PMID: 29458433; PubMed Central PMCID: PMC5819197.

Simões A, Chen Z, Zhao Y, Chen L, Macias V, DiPietro LA, Zhou X. 2018. Laser capture microdissection of epithelium from a wound healing model for microRNA analysis. *Methods Mol Biol*. 2018;1733:225-237. PubMed PMID: 29435937

DiPietro LA, Schrementi MA. 2018. Oral mucosal wound healing. In *Wound Healing*, Kursad Turksen ed. Wiley-Blackwell.

J. Leong, Y Seo, S Chu, C Park, EJ Jeon, S Cho, Y Yang, LA DiPietro, D Kim, and H Kong. Pore Diameter of Mesoporous Silica Modulates Oxidation of H₂O₂-Sensing Chromophore in a Porous Matrix. *Langmuir*, In press.

Schrementi MA, Chen L, DiPietro LA. The importance of targeting inflammation in skin regeneration. In *Skin Tissue Models*, Marques A, et al, eds. Elsevier, In press.

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UNIVERSITY OF ILLINOIS AT CHICAGO

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Naqvi AR, Seal A, Shango J, Navarette MB, Martinez G, Chapa G, Hasan S, Yadavalli T, Jaishankar D, Shukla S, Nares S. Herpesvirus-encoded microRNAs detected in human gingiva alter host cell transcriptome and regulate viral infection. *BBA Gene Regulatory Mechanisms*. 2018: pii: S1874-9399(17)30429-7.

Luan X, Zhou X, Naqvi AR, Francis M, Foyle D, Nares S, Diekwisch TGH. MicroRNAs and immunity in periodontal health and disease. *International Journal of Oral Science*. 2018. 10(3):24.

Naqvi AR, Shango J, Seal A, Shukla D, Nares S. In silico prediction of cellular targets of herpesvirus encoded microRNAs. *Data in Brief*. 2018: 19:249-255.

Narvekar A, Luan K, Gholami F. Decision trees in periodontal surgery: resective versus regenerative periodontal surgery. In *Advances in Periodontal Surgery - A Clinical Guide to Techniques and Interdisciplinary Approaches*. S Nares ed. Springer publishing, In press

Martinez A, Gholami F. Treatment of molar furcations. In *Advances in Periodontal Surgery - A Clinical Guide to Techniques and Interdisciplinary Approaches*. S Nares ed. Springer publishing, In press

Isayev A, Alranyes S, Hejazin N, Qattan M, Alawami J, Daralsheikh M, Kawar N. Tuberos Sclerosis Complex in a Patient undergoing Orthodontic Therapy. *Int J Dent & Oral Heal*. August 2018, 4:9.

Kawar N, Alranyes S, Yang B, Aljewari H. Oral health management considerations for patients with sickle cell disease. *Dis Mon*. 2018 Jun;64(6):296-301. doi: 10.1016/j.disamonth.2017.12.005. Epub 2018 Feb 19.

Alranyes S, Baghdan D, Haddad RY, Compton AA, Mohama S, Goreishi R, Kawar N. Sickle cell disease; An overview of the disease and its systemic effects. *Dis Mon*. 2018 Jun;64(6):283-289. doi: 10.1016/j.disamonth.2017.12.003. Epub 2018 Feb 1.

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Goyushov S, Tozum MD, Tozum TF. Assessment of morphological and anatomical characteristics of mental foramen using cone beam computed tomography. 2018; *Surg Rad Anat*: May 25. doi: 10.1007/s00276-018-2043-z.

Ataman-Duruel ET, Duruel O, Turkyilmaz I, Tozum TF. Anatomic variation of posterior superior alveolar artery: Review of literature and case introduction. 2018; *J Oral Implantol*: Aug 30. doi: 10.1563/aaid-joi-D-18-00056.

Genc T, Kutlu B, Dursun E, Tozum TF. Evaluation of anatomical structures and variations in the maxilla and mandible before dental implant treatment. 2018; *Dent Med Problems*: In Press.

Goldberg D., Handelman C., Schmerman M. 2017. Assessment of non-surgical adult expansion and gingival recession. *Turkish J Orthod*. In Press.

Melker D, Rosenfeld A, Nares S. Biologic Shaping. In *Advances in Periodontal Therapy - A Clinical Guide to Techniques and Interdisciplinary Approaches*. S Nares Ed. Springer Publishing, In Press

Schmerman M, Obando J. The Adjunctive relationship between orthodontics and periodontics. In *Advances in Periodontal Therapy - A Clinical Guide to Techniques and Interdisciplinary Approaches*. S Nares Ed. Springer Publishing, In Press

Karateew ED, Newman, T., Shakir, F. Crown Lengthening. S Nares Ed. Springer Publishing, In Press

2018 Awards

Research Grants Awarded

Dr. Praveen Gajendrareddy: NIH/NIDCR R01, Co-PI: Gajendrareddy and Ravindran. "Hijacking cellular mail for regenerative medicine".

Dr. Steve Olson: NIH R37 MERIT Award HL39888, Olson (PI) "Molecular Basis of Blood Coagulation Regulation" 4/1/10-2/28/20

Dr. Afsar Naqvi: NIH/NIDCR R01, PI: AR Naqvi "Human Herpesvirus Impact on Periodontal Inflammation"

Dr. Afsar Naqvi: NIH/NIDCR R03, PI: AR Naqvi "Elucidating the novel regulatory role of long noncoding RNAs in myeloid inflammatory cell differentiation and function"

Teaching Awards

Dr. Seema Ashrafi received the AAP 2018 Educator Award and was recipient of the 2018 Golden Apple Award by the DM-DAS Class of 2019.

Dr. Kevin Luan: Class of 2019 Golden Apple Award – UIC College of Dentistry

Other Awards:

Dr. Kevin Luan: AAP Leadership Development Program Fellowship; Straumann Scholarship – American Academy of Periodontology; American Academy of Periodontology Foundation Fellowship – Institute for Teaching & Learning; John P McGovern National Scholarship Award – Eta Sigma Gamma National Health Education Honors Society

UNIVERSITY OF MICHIGAN

This year we had 2 graduates start faculty positions, and entering the program, we had 5 new incoming residents, 2 international implantology scholars, and 10 post-doctoral graduate students.

Our new entering Masters students in the residency program are:

Riccardo DiGianfilippo: Dr. DiGianfilippo graduated from the University of Rome tor Vergata in 2016. After graduation, he worked in private practices in Italy and Switzerland and took classes provided by the Italian Society of Periodontology (SIdP) in implant surgery and periodontology. He came to the University of Michigan in January 2018 as a fellowship student, and started the residency in July 2018. now in the Residency program. Dr. Di Gianfilippo received the Martignoni Award during the 2017 STOID Congress at the University of Rome tor Vergata (November 2017) and Jeffrey Johnston Fellowship Award during the 2018 Ramfjord Symposium (June 2018).
Dr. Suzette Laing: Dr. Laing is a Jamaican-American dentist from Harper Woods, Michigan. She obtained her Bachelor of Science degree from Oakland University in Rochester, Michigan after which she joined the DDS/PhD program at University of Texas Health Sciences Center, San Antonio, TX. She graduated with her DDS and PhD degrees in 2018. Her doctoral research project was focused on hematopoietic stem cell-based therapeutics utilizing microRNAs for vascular regeneration. She is the recipient of the University of Michigan's prestigious Rackham Merit Award.

Dr. Andrea Ravida: Dr. Ravidà obtained his D.D.S. degree from the Alfonso X el Sabio University in Madrid in 2014. He then went on to complete a Master of Dental Science in Madrid at the Complutense University and completed a post-graduate program in Periodontics at the University of Michigan. He currently is junior member of the Italian Society of Periodontology and is involved in multiple research projects in the areas of periodontics and implant therapy.

Dr. Rafael Siqueira: Dr. Siqueira received his Dental, Master's and PhD degrees in Brazil. During his graduate studies, he worked part-time in Brazil in private practice. After participating as a visiting scholar at the University Of Michigan School Of Dentistry in 2017-18, he realized he wanted to study periodontics and started the residency in Periodontics this year.

Dr. Lahari Vattikunta: Dr. Vattikunta received her Bachelors in Dental Surgery (B.D.S) from University of Health Sciences in 2012 and worked as a general dentist in a private practice for 8 months. From 2013-2017 She had the opportunity to work in Dr. Jan Potempa's laboratory at University of Louisville, KY and pursue a PhD in Interdisciplinary studies. Her desire to learn advanced procedures in treating periodontal disease encouraged her to apply to the graduate periodontics program at University of Michigan

We have two international implant scholars/fellows joining us for 1 year:

ITI (International Team for Implantology) Scholar- Dr. Frederic Kaufmann: Dr. Kauffmann graduated from the University in Würzburg. He spent 3 years in private practice before going back to school to specialize in periodontics under Professors Ulrich Schlegelhauf and Stefan Fickl. He spent most of his time treating periodontal patients and doing clinical research regarding socket preservation and bone augmentation procedures as well as the influence of collagen, hyaluronic acid and enamel matrix derivative on soft and hard tissue healing.

Dentsply Sirona Scholar- Dr. Luiz Mieralles: Dr. Meirelles earned his DDS from the Federal University of Rio de Janeiro (Brazil) in 1998. He then attended the Piracicaba Dental School (Brazil). Dr. Meirelles is a researcher in biomaterials with interest in the development of novel solutions to improve oral health. He joined the Periodontics & Oral Medicine Department in the summer of 2018 to contribute to the Department's teaching, research and patient care activities. Before coming to the University of Michigan School of Dentistry, he was the Director of Product Evaluations at the American Dental Association and an Assistant Professor at University of Rochester in the Eastman Institute for Oral Health and in the Department of Biomedical Engineering.

In the 1 year Periodontics Postdoctoral Program:

Iya Ghassib: Dr. Ghassib graduated from the University of Jordan, 2015. She practiced as a general dental practitioner for two years in private practice in a prestigious multidisciplinary dental center in Amman, Jordan. With her genuine interest in clinical periodontics and research, she joined the post-doctoral training program in the department of Periodontics and Oral medicine, at University of Michigan in January 2018.

Benyapha Sirinirund: Dr. Sirinirund graduated from Chiang Mai University at Chiang Mai, Thailand with DDS degree (first class honors) in 2015 and worked as a full-time junior faculty at the Periodontology division at the same institution for about 2 years. She is currently participating in two ongoing research projects focusing on metabolic syndrome and antibiotic resistance in patients suffering from acute peri-coronitis at Chiang Mai University.

Islam Elderbashy: Dr. Elderbashy was born and raised in Egypt; he received his bachelor degree in oral and dental medicine in 2012 from Egypt with honors. Following graduation, he did a 1 year dental internship and 3 years of private practice. Later he moved to Spain where he received a Master of Science degree from the University of Granada. His research interests are Peri-implantitis and bone augmentation; currently he is conducting studies that are retrospective in nature.

Hong Xu: Dr. Xu is a physician from China, and has specialty training in Otolaryngology which she received in 2008 at Central South University. She has a faculty appointment in the Department of Stomatology, The Third Hospital of Changsha, China. Dr. Xu has a specialized interest in advanced implant procedures.

UNIVERSITY OF MICHIGAN CONTINUED

Juan-Fang Zhu: Dr. Zhu is a Professor and Director of the Prosthodontics and Implantology Department of the First Affiliated Hospital of Zhengzhou University. Dr. Zhu received her Bachelor degree from the Sun Yat-Sen Medical University in China, Masters degree from Zhengzhou University of China, and Doctoral degree from the Forth Military Medical University of China.

Madi Alassadi: Dr. Alassadi was born and raised in Long Beach, California and moved to Beirut Lebanon to finish high school and dental school. He is currently working on getting accepted into an international DDS program in the U.S. so he can one day follow his dream to work as a dentist in the U.S.

Jad Majzoub: Dr. Majzoub graduated from Beirut Arab University, Beirut, Lebanon in 2017 with a BDS degree. With his continuous passion for Periodontics and clinical care, he decided to move to the United States and continue his education in periodontics.

Musa Qazi: Dr. Qazi graduated with his bachelor's in dental surgery (BDS) in 2014 from Lahore Medical & Dental College, Pakistan. Since that time, he has devoted himself to clinical practice as well as a teaching. Prior to entering the post-graduate program at University of Michigan, Dr. Qazi has also been in a preceptorship program at Henry Goldman School of Dentistry, University of Boston.

Shayan Barootchi: Dr. Barootchi graduated from the University of the East, Manila, Philippines in 2016 with a DMD degree. After practicing in an oral surgery clinic as an apprentice for a year, and completing the annual periodontics internship offered by the Philippine Society of Periodontics, he decided to further pursue education in the field of periodontology and implant dentistry in the United States. He has been a post-doctoral fellow at the University of Michigan at the department of Periodontics and Oral Medicine since September 2017.

Alireza Darnahal: Dr. Darnahal was born in Tehran, Iran. He completed his dental education at Tehran Azad Dental School. Following graduation, he practiced as a general dentist in Tehran. In 2014, he won the Honorary Dentist Society award from the Tehran Public Security Insurance Hospital as well as certificate of good standing in Iran.

New Faculty Includes:

Dr. Carlos Garaicoa-Pazimino: Dr. Carlos Garaicoa-Pazmiño finished the residency program at the University of Michigan in 2017. During his residency, he was the recipient of the 2016 Horace Rackham International Student Fellowship, finalist for the 2017 Richard J. Lazzara Fellowship in Advanced Implant Surgery, received a scholarship from the AAP Foundation to attend the ADEA/AAL Institute for Teaching and Learning (ITL), and received the AAP Annual Meeting Scholarship sponsored by Straumann. Following residency, he stayed at the University of Michigan as an Adjunct Clinical Assistant Professor and currently holds a Clinical Lecturer position due to his strong passion for teaching. His main research interests are epigenetic modifications in periodontal diseases and establishing practical guidelines for supportive peri-implant therapy.

Dr. Erin Shan Huey Yu: Dr. Yu completed the residency program at the University of Michigan in 2018. Dr. Yu is the recipient of the 2018 AAP Foundation (AAPF) Richard J. Lazzara Award that will support her advanced implant training, teaching and continued research projects over the next year. This prestigious award will supplement her for a split position in research training and predoctoral clinical teaching in the Department. She was also the awardee of the Midwest Society of Periodontology Research Prize and most recently, the recipient of the 2018 Ramfjord Award as the most outstanding resident in the U of M periodontics program.