



COLUMBIA

COLLEGE OF
DENTAL MEDICINE

Division of Periodontics

2019

YEAR-END NEWSLETTER

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Message from the Division Director

December 20, 2019

Dear Alumni, Faculty, and Friends,

I am pleased to share with you our annual Newsletter that describes the highlights of the 2019 divisional events and activities. As always, I am grateful to our alumni, our volunteer and salaried faculty, our graduate students, and our staff for your support, dedication, and hard work. Thanks to your contributions, our Division remains the prime academic unit that we are all proud of.

My very best wishes to you and your families for the Holiday Season and a Happy and Healthy 2019!

Yours Sincerely,



Panos N. Papapanou, DDS, PhD
Director, Division of Periodontics
Chair, Section of Oral, Diagnostic and Rehabilitation Sciences



Our division has a strong record of scholarly activity. The table below describes the cumulative citation record of faculty and students in the Division with publicly available Google Scholar profiles (searched on 12/10/2019). The table reports total and most recent 5-year citation record, h-index (number of publications cited at least as many times), and i10-index (number of publications cited at least 10 times).

Faculty Member	Citations		h-index		i10-index	
	All	Since 2014	All	Since 2014	All	Since 2014
Chesnoiu Matei, Ioana	108	87	4	4	2	2
Eskow, Robert	529	158	12	7	13	7
Fine, James	1,133	259	19	9	23	9
Formicola, Allan	1,949	812	25	13	40	15
Grbic, John	3,910	897	36	15	46	21
Greenstein, Gary	6,331	2,307	42	25	88	52
Han, Yiping	4,905	3,402	33	27	40	36
Kang, Philip	29	16	2	2	1	0
Kebschull, Moritz	2,244	1,701	25	22	38	33
Lalla, Evie	10,372	4,373	46	34	60	58
Linden, Eric	44	21	3	3	2	1
Mitchell, Dennis	2,453	742	23	13	29	16
Momen-Heravi, Flora	2,376	2,155	24	23	35	33
Papapanou, Panos	17,571	8,453	67	48	143	124
Sanz-Miralles, Elena	44	44	3	3	2	2
Shariff, Jaffer	82	82	5	5	5	5
Tarnow, Dennis	15,178	6,816	59	44	138	118
Wolf, Dana	465	243	7	7	7	6

Members of the Division are listed in darker color.

Aslan, Y., Coskun, E., Ozkan, Y., **Dard, M.** (2019) Clinical evaluation of three types of CAD/CAM inlay/onlay materials after 1-year clinical follow up. *The European Journal of Prosthodontics and Restorative Dentistry* 27: 131-140.

Dard, M., Wagner, R. (2019) Dental implant surfaces. Nanostructures enhance osseointegration. *Quintessence International* Special issue 74-83.

Chmielewski, K., Ryncarz, W., Yuksel, O., Goncalves, P., Baek, K., Cok, S., **Dard, M.** (2019) Image analysis of immediate full-arch prosthetic rehabilitations guided by a digital workflow: assessment of the discrepancy between planning and execution. *International Journal of Implant Dentistry* 5: 26.

El Chaar, E., Zhang, L., Zhou, Y., Sandgren, R., Fricain, J.C., **Dard, M.**, Pippenger, B., Catros, S. (2019) Osseointegration of superhydrophilic implants placed in defect grafted bones. *The International Journal of Oral Maxillofacial Implants* 34: 443-450.

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Watts, N.B., **Grbic, J.T.**, Binkley, N., Papapoulos, S., Butler, P.W., Yin, X., Tierney, A., Wagman, R.B., McClung, M. (2019) Invasive oral procedures and events in postmenopausal women with osteoporosis treated with denosumab for up to 10 years. *Journal of Clinical Endocrinology and Metabolism* 104: 2443-2452.

Senchenkova, E.Y., Ansari, J., Becker, F., Vital, S.A., Al-Yafeai, Z., Sparkenbaugh, E.M., Pawlinski, R., Stokes, K.Y., Carroll, J.L., Dragoi, A.M., Qin, C.X., Ritchie, R.H., Sun, H., Cuellar-Saenz, H.H., Rubinstein, M.R., **Han, Y.W.**, Orr, A.W., Perretti, M., Granger, D.N., Gavins, F.N.E. (2019) Novel role for the AnxA1-Fpr2/ALX signaling axis as a key regulator of platelet function to promote resolution of inflammation. *Circulation* 140(4): 319-335.

Duffy, C.R., D'Alton, M.E., **Han, Y.W.**, Goldenberg, R.L., Gyamfi-Bannerman, C. (2019) Incorporating pre-cesarean vaginal preparation into obstetrics' standard of care. *Obstetrics & Gynecology* 133(4):707-711. doi: 10.1097/AOG.00000000000003153.

Rubinstein, M.R., Baik, J.E., Lagana, S.M., Han, R.P., Raab, W.J., Sahoo, D., Dalerba, P., Wang, T.C., **Han, Y.W.** (2019) *Fusobacterium nucleatum* promotes colorectal cancer through induction of novel Wnt/b-catenin modulator Annexin A1 in proliferating cancerous cells. *EMBO Reports* 20(4), pii: e47638. doi: 10.15252/embr.201847638. Online publication 04.03.2019.

Garcia-So, J., Zhang, X., Yang, X., Rubinstein, M.R., Mao, D.Y., Kitajewski, J., Liu, K., **Han, Y.W.** (2019) Omega-3 fatty acids suppress *Fusobacterium nucleatum*-induced placental inflammation originating from maternal endothelial cells. *JCI Insight* 4(3): pii: 125436. doi: 10.1172/jci.insight.125436.

Price, R., **Kang, P.** (2019) The association between periodontal disease and obstructive sleep apnea: A review of the literature. *Compendium Continuing Education in Dentistry* Accepted for publication.

Park, W., Kim, Y., Han, J., **Kang, P.** (2019) Successful management of dental implants in postoperative maxillary cyst: A case report with a thirteen-year follow-up. *Journal of Oral Implantology* Accepted for publication.

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Park, W., Han, J., Jang, J., Kang, K., **Kang, P.** (2019) Long-term implant survivability of cementum-like-tissue-to-implant contact in pre-existing intraosseous pathology of a mandible with a 16-year longitudinal follow-up. *International Journal of Periodontics and Restorative Dentistry* Accepted for publication.

Changi, K., Royzman, D., **Greenstein, G., Tarnow, D., Kang, P.** (2019) Creeping clinical attachment after acellular dermal matrix augmentation to attain root coverage. *Clinical Advances in Periodontics* doi: 10.1002/cap.10078. Epub ahead of print.

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Giannobile, W.V., Berglundh, T., Al-Nawas, B., Araujo, M., Bartold, P.M., Bouchard, P., Chapple, I., Gruber, R., Lundberg, P., Sculean, A., Lang, N.P., Lyngstadaas, P., **Kebschull, M.**, Galindo-Moreno, P., Schwartz, Z., Shapira, L., Stavropoulos, A., Reseland, J. (2019) Biological factors involved in alveolar bone regeneration: Consensus report of working group 1 of the 15(th) European workshop on periodontology on bone regeneration. *Journal of Clinical Periodontology* 46 Suppl 21: 6-11.

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Moisa, D., **Connolly, J.**, Cheng, B., **Lalla, E.** (2019) Impact of connective tissue graft thickness on surgical outcomes: A pilot randomized clinical trial. *Journal of Periodontology* 90: 966-972.

Hsu, Y.T., Nair, M., Angelov, N., **Lalla, E.**, Lee, C.T. (2019) Impact of diabetes on clinical periodontal outcomes following non-surgical periodontal therapy. *Journal of Clinical Periodontology* 46: 206-217.

Caplanis N., Kusek, E., Low, S., **Linden, E.**, Sporborg, H. (2019) Peri-implant disease, a consensus for treatment: A case study. *Journal of Oral Implantology* 45(5): 371-377.

Lee, J.Y., **Mehrazarin, S.**, Alshaikh, A., Kim, S., Chen, W., Lux, R., Gwack, Y., Kim, R.H., Kang, M.K. (2019) Histone Lys demethylase KDM3C demonstrates anti-inflammatory effects by suppressing NF-κB signaling and osteoclastogenesis. *FASEB Journal* 33: 10515-10527.

Chen, W., Alshaikh, A., Kim, S., Kim, J., Chun, C., **Mehrazarin, S.**, Lee, J., Lux, R., Kim, R.H., Shin, K.H., Park, N.H., Walentin, K., Schmidt-Ott, K.M., Kang, M.K. (2019) *Porphyromonas gingivalis* impairs Oral Epithelial Barrier through targeting GHRL2. *Journal of Dental Research* 98: 1159-1158.

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Chu, S.J., **Tarnow, D.P.**, Hochman, M.N., Mieslesko, A.J. (2019) Team approach in esthetic dentistry. *International Journal of Esthetic Dentistry* 14(4): 368-369.

Chu, S.J., Tan-Chu, J., H.P., Levin, B.P., Sarnachiaro, G.O., Lyssova, V., **Tarnow, D.P.** (2019) A paradigm change in macro implant concept: Inverted body-shift design for extraction sockets in the esthetic zone. *Compendium* 40(7): 2.

Greenstein, G., Cavallaro, J., **Tarnow, D.** (2019) Dental implantology: numbers clinicians need to know. *Compendium* 40(5): 1-16.

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Gil, M.S., Ishikawa-Nagai, S., Elani, H.W., Da Silva, J.D., Kim, D.M., **Tarnow, D.**, Schulze-Späte, U., Cleber, S., Bittner, N. (2019) Comparison of the color appearance of peri-implant soft tissue with natural gingiva using anodized pink-neck implants and pink abutments: A prospective clinical trial. *International Journal of Oral & Maxillofacial Implants* 34(3): 752-758.

He, L., Zhou, J., Chen, M., Lin, C., Kim, S.G., Zhou, Y., Xiang, L., Xie, M., Bai, H., Yao, H., Shi, C., Coelho, P.G., Bromage, T.G., Hu, B., Tovar, N., Witek, Lukasz, W., Jiaqian, C., Kenian, G., Wei, Z., Jinxuan, S., Tzong-Jen, Z., Juan, W., Jin, N., Yuting, C., Bin, G., Qimei, O., David M, Stanislauskas, M., Pei, J., Chotkowski, G., Wang, S., Yang, G., Zegarelli, D.J., Shi, X., Finkel, M., Zhang, W., Li, J., Cheng, J., **Tarnow, D.P.**, Zhou, X., Wang, Z., Jiang, X., Romanov, A., Rowe, D.W., Wang, S., Ye, L., Ling, J., Mao, J. (2019) Parenchymal and stromal tissue regeneration of tooth organ by pivotal signals reinstated in decellularized matrix. *Nature Materials* 18(6): 627-637.

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Varthis, S., **Tarnow, D.P.**, Randi, A. (2019) Interproximal open contacts between implant restorations and adjacent teeth. Prevalence - causes - possible solutions. *Journal of Prosthodontics*, 28(2): e806-e810.

Miron, R., Sculean, A., Cochran, D., Donos, N., Deschner, J., **Dard, M.**, Zhang, Y., Kasaj, A., Shirakata, Y., Bosshard, D. (2019) Enamel matrix derivative: preclinical biologic background. In: *Next-Generation Biomaterials for Bone and Periodontal Regeneration*. Miron, R., Zhang, Y., (Eds), Quintessence Publishing, Batavia, IL, 197-210.

Demmer, R.T., **Papapanou, P.N.** (2019) Causal inference and risk in the health sciences. In: *Risk Assessment in Oral Health. A concise guide for clinical application*. 1st Edition. Chapple, I., and **Papapanou, P.N.**, (Eds), Springer Publications, In Press.

Shariff, J.A., Gurpegui, D. (2019) Maxillary sinus elevation: transcrestal technique, sinus elevation multidisciplinary perspective. In: *Atlantis editorial, Science & Technology*. Leganés (Madrid) Spain.

Wallace, S.S., **Tarnow, D.P.**, Testori, T. (2019) Intraoperative complications with the lateral window technique. In: *The Sinus Bone Graf*. 3rd Edition. Jensen, O.T., (Ed), Quintessence, Batavia, IL, 73-91.

New Faces

Postdoctoral Students

This year seven new residents joined the division – welcome to the Postdoctoral Periodontics class of 2022!



Dr. Grace Jungmin Ko was born in South Korea and moved to the U.S. when she was 7. She studied biology and fine arts at the **University of Pennsylvania** and also obtained her DMD from **Penn Dental**. She cultivated her passion for dentistry concurrently with her passion for art since she was young and is very excited to learn and train in periodontics with her accomplished colleagues at CDM.



Dr. Darrell Ong hails from the sunny island of Singapore. He received his BDS from the **National University of Singapore** in 2012. Upon graduation, he served as a dental officer in local Singapore Hospitals for two years, where he completed various hospital postings. In 2015, Darrell moved on to private practice and honed his skills by providing multidisciplinary treatment for his patients. Being an advocate of lifelong learning, he continued to attend various continuing education courses with a heavy emphasis on periodontics and implant therapy. It is there that he discovered his keen interest in periodontics and has thus decided to pursue full time specialist training. In his free time, Darrell can be found in the gym or experimenting in the kitchen.



Dr. Ryan Park was born in South Korea and raised in Toronto, Canada. He obtained his DDS in 2019 from **University of the Pacific Arthur A. Dugoni School of Dentistry**. During his time in dental school, he worked as a certified tutor in multiple first year courses. He also researched how NLRX1 modulates NLRP3 inflammasome activation in gingival epithelial cells during a *Fusobacterium nucleatum* infection. During his free time, he loves to explore and try new restaurants, travel, play golf, and hang out with friends.



Dr. Tom Rubinstein was born in Israel and grew up in Tenafly, New Jersey. He obtained his DMD from the **University of Pennsylvania School of Dental Medicine** in 2017. He then completed his GPR at **NYU Langone Hospital** in Brooklyn where he stayed on for an optional second year as chief resident. Tom enjoys reading (fiction, mostly) and going to the movies (AMC Stubs is a godsend). He's also an avid Manchester United fan.

New Faces

Postdoctoral Students

Dr. Shaghayegh (Rose) Sobhani was born and raised in Tehran, Iran, and received her DDS from **Tehran University of Medical Sciences (TUMS)** in 2017. Before her graduation, Rose worked as a researcher in Center for Research in Dentistry of TUMS for two years. She has also worked as a volunteer dentist and a clinical coordinator in Iran and in the U.S. In her free time, Rose enjoys reading, tennis, music, designing and baking cakes, and spending quality time with her family, especially her newborn son.



Dr. Hyun Nyun Woo was born and grew up in Seoul, South Korea. He received Bachelor's degree from **Cornell University** and Master's degree from **Johns Hopkins University**. He graduated from **Case Western Reserve University School of Dental Medicine** and started practicing general dentistry in Chicago. After three years in a private practice and community health clinic, he found a special interest in periodontics and decided to become a periodontist. He and his wife, Soh Yeon, have a newborn baby James. When he is away from dentistry, he enjoys hiking, traveling, bicycling, and watching baseball.



Dr. Yi-Chu Wu was born in Taipei, Taiwan, and she received her DDS from **Taipei Medial University** in Taiwan. She has been serving in hospital and private clinics for her GPR. Her research focuses on surface treatment of bone grafting materials. Also, she is very interested in interdisciplinary collaboration. Not only an active professional, Dr. Wu has also been profoundly involved in community service, including medical services domestically and overseas. She is a big fan of sports, including bouldering and yoga. She also plays classical piano.



Postdoctoral Research Scientists

Dr. Qiuqiang Gao received his PhD in Microbiology from **Shandong University** in China in 2012, with two years joint PhD experience in **University of Wyoming** studying the metabolism of apoptosis under salt stress in budding yeast (2009-2011). Then he worked at **East China University of Science and Technology** as a lecturer with research focusing on Biorefinery Metabolic Engineering. Dr. Gao joined the College of Dental Medicine as a postdoctoral research scientist in February 2019. His research interest is the interactions between *Fusobacterium nucleatum*, a Gram-negative anaerobic bacterium, and the host in colorectal cancer.

Dr. Ioana Chesnoiu Matei received the 2019 Faculty Implantology Fellowship.

Dr. Julie Connolly became an ACD Fellow at the AAPD's Leadership Institute at Kellogg School of Management at Northwestern University for 2020-2022. She is also President-Elect of the New York Academy of Dentistry, Chair of the Ethics Committee, New York County Dental Society, and a member of the Ethics Council of the New York State Dental Association.

Dr. David Gottlieb has been elected to the position of Trustee to the 1st District of the American Academy of Periodontology for a three-year appointment.

Dr. John Grbic was appointed as a member of the Test Constructor Committee of the new Integrated National Dental Board Examination (INDBE), Joint Commission of National Dental Examinations.

Dr. Philip Kang became a member of the Board of Directors, Northeast Society of Periodontists. He also became a test constructor for the American Dental Association Board of Trustees, Dental Licensure Objective Structured Clinical Examination (DLOSCE) Steering Committee, and the American Academy of Periodontology In-service Examination Committee.



Dr. Kebschull (far right) was awarded the German Society for Periodontology DG PARO Implant Research Prize 2019

Dr. Moritz Kebschull chaired a very successful DG PARO Annual Meeting 2019 in Darmstadt/Germany. He was awarded the German Society for Periodontology DG PARO Implant Research Prize 2019 for his work on dysbiotic biofilms in peri-implantitis and has served as chairman of the XVI. European Workshop in Periodontology, developing evidence-based clinical practice guidelines for the treatment of periodontitis based on the new EFP/AAP classification scheme. He was also lead author on the German treatment guidelines on subgingival instrumentation/SRP.

Dr. Evanthia Lalla was accepted into the prestigious *Hedwig van Ameringen Executive Leadership in Academic Medicine (ELAM) Program* at the Drexel University College of Medicine. ELAM is a year-long part-time fellowship with a focus on the skills required to lead and manage in today's complex health care environment, with special attention to the unique challenges facing women in leadership positions.

Honors & Awards

Faculty

Dr. Jaffer Shariff became board-certified to the American Board of Periodontology and American Board of Dental Public Health.

Dr. Dennis Tarnow received multiple awards this year: the Charles Pincus/Ronald Goldstein Lifetime Achievement Award in Esthetic Dentistry from the American Academy of Esthetic Dentistry; the Eponymous Award: The Dennis Tarnow Award for Clinical Excellence from the Veterans Administration Hospital of Manhattan; The Greater New York Academy of Prosthodontics Jerome M. Schweitzer Research Award; and the Doctor Honoris Causa from the University of Buenos Aires.



Dr. Tarnow receiving the GNY Award, right, with Dean Christian Stohler

Dr. Eric Linden received numerous appointments this year as an editorial consultant/reviewer for The International Journal of Periodontics & Restorative Dentistry, a renewal appointment to the AAP Research Submissions Committee, and the Board of Directors of the ALD (Academy of Laser Dentistry). Dr. Linden has also continued his laser research this past year, working on new protocols using the 9,300-nm CO₂ laser for the treatment of peri-implantitis. Two additional laser studies using the erbium 2,780- and 2,940-nm are either completed or concluding here at Columbia as part of the master's program.

Dr. Fatemeh Momen-Heravi served as a guest associate editor of *Frontiers in Immunology* for a special issue on "Extracellular Vesicles and Their Role in Immunomodulation and Cancer." She also attended the AAMC workshop "AAMC leadership and management foundations seminar" supported by a grant from Mentoring Network for Women.

Students

Dr. Shebli Mehrazarin is the 2019-2020 Chief Resident of the Periodontics program at the College of Dental Medicine and received the Kenneth L. Siegel Scholarship in recognition of exceptional performance after the second year of studies.

New Research Grants

Dr. Yiping Han

- ◆ “Efficacy of phage cocktail for protection against *Listeria* infection in pregnant mice.” Intralytix Research Fund, June 2019-May 2020.

Dr. Fatemeh Momen-Heravi

- ◆ College Dental Medicine research grant to study single-cell analysis and heterogeneity of immune cell signaling in periodontal disease.
- ◆ CAMPR phase 1 grant and CAMPR phase 2 grant to study circulating exosomes/extracellular vesicles as biomarkers for cancer immunotherapy in solid tumors.

Presentations

Dr. Ioana Chesnoiu Matei

- ◆ Greater New York Dental Meeting, New York, NY, “Aumento Óseo: Selección de Biomateriales y Técnicas En Base A Los Distintos Escenarios Clínicos”; November 2019.

Dr. Julie Connolly

- ◆ Mt. Sinai Hospital, New York, NY, “Ethical Considerations in Dentistry Today”; May 2019.
- ◆ Touro College of Dental Medicine, Westchester, NY, “Introduction to Professionalism & Ethics”; July 2019.

Dr. John Grbic

- ◆ Second District Dental Society of New York, “Incorporating Evidence-Based Periodontics into Practice”; November 2019.
- ◆ Amgen in Thousand Oaks, California, “Osteonecrosis of the Jaw”; January 2019.
- ◆ Columbia College of Dental Medicine’s Westchester Study Club, Westchester, NY, “Epidemiology and Management of Osteonecrosis of the Jaw”; November 2019.

Presentations

Dr. Yiping Han

- ◆ CUIMC Crossroad Multidisciplinary Conference, New York, NY, "Oral bacteria in extra-oral infections"; January 2019.
- ◆ Presentation to Columbia Technology Venture Executive in Residence, New York, NY, "*Fusobacterium nucleatum* in colorectal cancer: mechanisms and therapeutic strategies"; February 2019.
- ◆ Presentation at the monthly meeting of Tumor Immunology Microenvironment & Stemness Group, New York, NY, "The 'two-hit' model of microbial infection in colorectal cancer"; February 2019.
- ◆ Invited speaker at Cold Spring Harbor Asia Conference on Bacterial Infection and Host Defense, Suzhou, China, "Mechanistic insight of *Fusobacterium nucleatum* in colorectal cancer: a 'two-hit' model"; April 2019.
- ◆ Invited seminar at Sun Yat-Sen University School of Stomatology, Guangzhou, China, "The 'mobile' microbiome: oral bacteria in colorectal cancer and pregnancy complications"; June 2019.
- ◆ Invited speaker at 2019 International Symposium of Microbiology on Environment and Health & Annual Meeting of Overseas Chinese Society of Microbiology, Beijing, China, "A two-hit model of microbes in cancer"; July 2019.
- ◆ Presentation at Division of Neonatology, New York, NY, "Impact of microbial infection on perinatal and neonatal outcomes"; September 2019.
- ◆ Presentation at M&I retreat, New York, NY, "*Fusobacterium nucleatum*: a commensal-turned pathogen"; September 2019.
- ◆ CDM Inaugural Research Seminar Series, New York, NY, "Impact of oral bacteria on colorectal cancer"; September 2019.
- ◆ Invited presentation at Canaan Partners, Westport, CT, "New therapeutic approaches to treat familial adenomatous polyposis"; September 2019.
- ◆ Invited speaker at International Conference on Tumor Biology and Translational Medicine hosted by Shanghai Jiao Tong University School of Medicine-affiliated Renji Hospital & Shanghai Cancer Institute, Shanghai, China, "From the mouth to gut, how a common oral microbe exacerbates colorectal cancer progression"; December 2019.

Dr. Moritz Kebschull

- ◆ Swiss Society for Periodontology, Baden, Switzerland, "Beyond Probing - Diagnosis of Periodontitis" and "Clinical and statistical significance – what really counts"; September 2019.
- ◆ German Society for Periodontology, Darmstadt, Germany, "Targeted Therapy for Every Perio Patient"; September 2019.

Presentations

Dr. Evanthia Lalla

- ◆ International Association for Dental Research (IADR) General Session, Seattle, WA, "Hands-on Workshop: Tenure x Non-Tenure: Which Career Track is Right for You?"; June 2019.
- ◆ Spanish Society of Periodontology Annual Meeting, Valencia, Spain, "Periodontitis and diabetes - are we finally at the dawn of a new era?"; June 2019.
- ◆ National Hispanic Medical Association & Hispanic Dental Association Joint Conference on Advancing Hispanic Health, Washington, DC, "Primary Care Medicine in Dentistry: Screening and Intervention for Diabetes Mellitus"; April 2019.

Dr. Philip Kang

- ◆ Dentium World Symposium Digital Innovation, Guangzhou, China, "Management of Soft Tissue Complication: Digital Evolution"; November 2019.
- ◆ XXXVII Congreso Internacional De Odontologia ADM-AMIC 2019, Mexico City, Mexico, "Optimal Peri-implant Soft Tissue Profile" and "Dental Implant Complications"; November 2019.
- ◆ Asia-Pacific Dental Congress & Korean Dental Association, Seoul, Korea, "Precision Dental Medicine: The Future is Here"; May 2019.
- ◆ Harvard University School of Dental Medicine Continuing Education, Shanghai, China, "Soft Tissue Augmentation Utilizing Autogenous Tissues" and "Minimally-invasive Crestal Approach Sinus Graft"; April 2019.

Dr. Shebli Mehrazarin

- ◆ Northeast Implant Symposium, New York, NY, "Immediate vs. Early Implant Placement: Treatment Indications & Outcomes": October 2019.

Dr. Fatemeh Momen-Heravi

- ◆ International Association of Dental Research/American Association of Dental Research, Vancouver, Canada, "The role of the PD-L1-PD1 axis in modulating macrophage responses in the tumor microenvironment"; June 2019.
- ◆ International Association of Dental Research/American Association of Dental Research, Vancouver, Canada, "Lunch and Learn Session: RNA-sequencing Technology Driven Discoveries in Periodontics"; June 2019.
- ◆ American Academy of Periodontology annual meeting, Chicago, IL, "Predicting implant outcome: case selection based on a personalized dentistry concept"; November 2019.
- ◆ Cell Signaling Technology Headquarters, Danvers, MA, "Expanding academic and life science industry collaborations"; August 2019.

Presentations

Dr. Panos Papapanou

- ◆ Columbia University Department of Medicine Continuing Education Series. At the crossroads of Medicine, Surgery and Dentistry, Surgery: Transforming Healthcare through the Integration of Medicine and Dentistry, New York, NY, "Periodontal disease and cardiovascular disease: Biological plausibility and epidemiologic evidence"; January 2019.
- ◆ Hokkaido Dental Association, Sapporo, Japan, "The new classification of periodontal and peri-implant diseases and conditions"; January 2019.
- ◆ Annual Patricia McLean Symposium, New York, NY, "Principles and applications of the new classification of periodontal and peri-implant diseases and conditions"; March 2019.
- ◆ British Society of Periodontology Conference 2019, Brighton, UK, "Understanding the pathobiology of periodontitis on the molecular level"; April 2019.
- ◆ Spanish Society of Periodontology Conference (SEPA), Session on "Periodontal Health and General Health", Valencia, Spain, "Emerging associations, lessons learned, and the path forward"; June 2019.
- ◆ Spanish Society of Periodontology Conference (SEPA), Session on "The Future of Periodontology", Valencia, Spain, "What we have learned through epidemiological research, what we no longer believe in, and what remains to be resolved"; June 2019.
- ◆ International Association of Dental Research Annual Meeting, Vancouver, Canada, *Symposium Presenter*, "The periodontitis-susceptible individual. Lessons learned from contemporary research"; June 2019.
- ◆ International Association of Dental Research Annual Meeting, Vancouver, Canada, "Differential DNA methylation and mRNA expression in gingival tissues"; June 2019.
- ◆ International Association of Dental Research Annual Meeting, Vancouver, British Columbia, Canada, *Symposium Moderator*, "The new classification of periodontal diseases: Research implications"; June 2019.
- ◆ University of North Carolina at Chapel Hill, Chapel Hill, NC, Steven Offenbacher Memorial Symposium, "The Washington Heights/Inwood Columbia Aging project (WHICAP); Lessons in periodontitis epidemiology from an elderly cohort"; October 2019.
- ◆ American Academy of Periodontology 105th Annual Meeting, Chicago, IL, *Symposium Moderator and Speaker*, "The new periodontal disease classification: Shades of grey"; November 2019.
- ◆ Universidad Complutense, Madrid, Spain, "Transcriptomics and epigenetics in the study of the pathobiology of periodontal disease"; November 2019.
- ◆ 28th Annual Congress, Portuguese Dental Association, Lisbon, Portugal, "Periodontitis and cardiovascular diseases; New insights in the mechanisms linking periodontitis and atherogenesis"; November 2019.

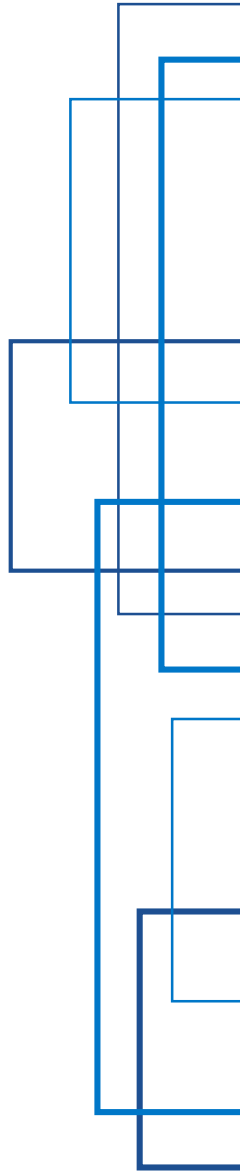
Presentations

Dr. Elena C. Sanz Miralles

- ◆ Greater New York Dental Meeting (GNYDM), New York, NY, "Soft Tissue Management in Implant Dentistry"; November 2019.

Dr. Jaffer Shariff

- ◆ International Association of Dental Research Conference, Vancouver, Canada, "Age-Specific Predictive Models of the Upper Quintile of Periodontal Attachment Loss"; June 2019.
- ◆ XXXVII ADM-AMIC-FMFEO conference, Mexico City, Mexico, "The Journey Through Transcrestal Sinus Lift Techniques and a Focus on Densah® Burs" and "Immediate Implant Placement & Immediate Provisionalization in the Esthetic Area" October 2019.



Events

Metropolitan Periodontal Forum in March 2019 at New York University with Columbia presenters: **Dr. Joshua Shayefar**, "Management of Gingival Fenestrations through the Use of Connective Tissue Graf," and **Dr. Kamonchanok Tangwanichgapong** "Characterization of *Fusobacterium nucleatum* Adhesin FadA Expression *in vitro* and *in vivo*."



Dr. Kimon Divaris (left) receives the 30th Annual Benjamin Tenenbaum Memorial Lecture plaque from **Dr. Papapanou**.

CDM Periodontics faculty and students with **Dr. Divaris**.



Events

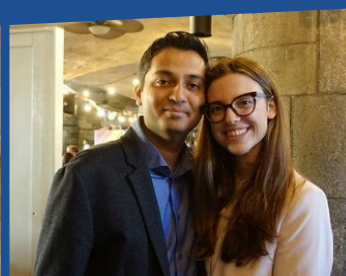


International Association of Dental Research (IADR) conference in Vancouver, BC. Left to right: Drs. Panos Papapanou, Fatemeh Momen-Heravi, Evanthia Lalla, Laurent Detzen.

2019 IADR dinner with Dean Christian Stohler (left).



Annual Periodontics Student Award Dinner at the Boat Basin in June.



Events

Postdoctoral CDM Graduation Ceremony – June 19, 2019, Lerner Hall.



Events

The Inaugural Ivy-League Periodontics Symposium took place on September 14. Initiated by **Dr. Philip Kang** and hosted by the Division of Periodontics, the “Ivy Symposium” participants included residents and faculty from the Periodontics Postdoctoral Programs at Columbia, Harvard, and UPenn. Residents from each program presented clinical cases and research projects with subsequent discussions from the attendees. Columbia presenters **Drs. Muneerah Alsabt (PGY3)** and **Jessica Li (PGY3)** presented: “Localized ridge augmentation with GBR using Titanium Mesh in the esthetic zone.” **Dr. Sultan Albesh** presentation: “Periodontal complications of lip and tongue piercing: prevalence, influencing factors, and a clinical report.”



CDM alumnus **Dr. Khashayar K. Changi** speaking at the American Academy of Periodontology Annual Meeting in Chicago in November.

Events



Congratulations to **Dr. Julie Connolly** for running in the 2019 New York City Marathon!



Dean Christian Stohler addressing CDM faculty, students, and alumni at the 1852 Society reception.