

Columbia University College of Dental Medicine

Division of Periodontics

2015 Newsletter

Message from the Division Director

December 23, 2015

Dear Friends,

As the year draws to its close, I am happy to share with you some highlights of our academic life and achievements. One of the important changes that occurred in 2015 was the realignment of the Sections at CDM: the Divisions of Foundational Sciences, Prosthodontics, Periodontics, Oral and Maxillofacial Radiology, and the Programs in Advanced Education in General Dentistry and Oral Implantology are now all parts of our renamed and expanded Section of Oral, Diagnostic and Rehabilitation Sciences. This reorganized structure offers new, exciting opportunities to the Division of Periodontics for synergistic endeavors in education, patient care and research. While we continue to occupy an acclaimed spot in the global academic map of Periodontology, it is clear that the path to a successful future increasingly requires close collaborations across disciplines in medicine, public health, social sciences, and engineering, to name a few. I am confident that with the help of you all, we will continue to thrive and generate new knowledge, while at the same time provide excellent education to our students and the best possible care to our patients.

On a personal note, as many of you know, the last couple of months have been quite difficult, and I am deeply grateful for the support I received from you. With my health issues behind me, I am as confident and optimistic as ever that we will continue to score many more successes together.

My very best wishes to you and your families for the Holidays and for a Happy and Healthy 2016!

Sincerely yours,



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



2015 Publications by Divisional Faculty

Faculty in our Division continue to have a strong presence in scholarly publications related to our discipline. The table below describes the cumulative citation record of faculty in the Division with publicly available Google Scholar profiles, reflected by their total citation record, their h-index (describing the number of publications by the particular author cited at least as many times), and their i-10 index (describing the number of publications cited at least ten times). The presented data are based on a Google Scholar search carried out on December 19th, 2015.

	Citations		h-index		i10-index	
	All	Since 2010	All	Since 2010	All	Since 2010
Celenti, Romanita	1,241	520	22	12	22	15
Fine, James	848	309	17	10	20	10
Fletcher, Paul	1,451	697	9	6	8	4
Grbic, John	3,038	1,059	35	19	45	27
Greenstein, Gary	4,089	1,808	35	24	72	45
Han, Yiping	2,131	1,683	26	23	34	31
Kang, Philip	15	6	1	1	1	0
Kebschull, Moritz	899	867	17	16	20	19
Lalla, Evie	7,064	4,042	38	30	54	54
Linden, Eric	18	3	1	1	1	0
Mitchell, Dennis	1,786	880	20	14	27	20
Papapanou, Panos	9,856	5,717	51	41	113	99
Royzman, Daniel	36	17	1	1	1	1
Rubinstein, Roxana	181	174	3	3	2	2
Schulze-Späte, Ulrike	658	371	9	9	9	9
Stoupel, Janet	48	48	3	3	1	1
Sussman, Harold	319	130	10	6	10	4
Tarnow, Dennis	9,445	5,172	46	35	103	89
Wolf, Dana	294	254	7	7	7	7

Peer-Reviewed Articles

Alsahli, A., Kiefhaber, K., Gold, T., Muluke, M., Jiang, H., Cremers, S., **Schulze-Späte, U.** (2015) Palmitic acid reduces circulating markers of bone formation and impairs osteoblast mineralization activity. *Calcified Tissue International*, In Press.



Boillot, A., Demmer, R.T., Mallat, Z., Sacco, R.L., Jacobs, D.R., Benessiano, J., Tedgui, A., Rundek, T., **Papapanou, P.N.**, Desvarieux, M. (2015) Periodontal microbiota and phospholipases: The oral infections and vascular disease epidemiology study (INVEST). *Atherosclerosis*, Oct; 242 (2): 418-23.doi: 10.1016/j.atherosclerosis.2015.07.039.

Chu, S., Salama, M., Garber, D., Salama, D., Samachiaro, G., Sarnachiaro, E., Gotta, S., Reynolds, M., Saito, H., **Tarnow, D.P.** (2015) Flapless postextraction socket implant placement, part 2: the effects of bone grafting and provisional restoration on peri-implant soft tissue height and thickness: A retrospective study. *Quintessence International*, 35: 803-809.

Chu, S., Sarnachiaro, G., Hochman, M., **Tarnow, D.P.** (2015) Subclassification and clinical management of extraction sockets with labial dentoalveolar dehiscence defects. *Compendium* 36: 516-525.

Connolly, J. (2015) Periodontal diagnosis and treatment of muco-gingival conditions, part 1. *Dentists' Quarterly, New York County Dental Society Publication*, Spring, 8-9.

Connolly, J. (2015) Periodontal diagnosis and treatment of muco-gingival conditions, part 2. *Dentists' Quarterly, New York County Dental Society Publication*, Summer, 6-7.



**Infection and
Immunity**

Copenhagen-Glazer, S., Naor, R., Zhang, X., **Han, Y.W.**, Bachrach, G. (2015) Fap2 of *Fusobacterium nucleatum* is a galactose inhibitable adhesin involved in coaggregation, cell adhesion and preterm birth. *Infection and Immunity*, 83:1104-13.

Delaney C., Wright R.H., **Tang J.R.**, Woods C., Villegas L., Sherlock L., Savani R.C., Abman, S.H., Nozik-Grayck, E. (2015). Lack of EC-SOD worsens alveolar and vascular development in a neonatal mouse model of bleomycin-induced bronchopulmonary dysplasia and pulmonary hypertension. *Pediatric Research*, Epub ahead of print.

Demmer, R.T., Jacobs, D.R. Jr., Singh, R., Zuk, A., Rosenbaum, M., **Papapanou, P.N.**, Desvarieux, M. (2015) Periodontal bacteria and prediabetes prevalence in ORIGINS: The oral infections, glucose intolerance, and insulin resistance study. *Journal of Dental Research*, Sep; 94 (9 Suppl): 201S-11S. doi: 10.1177/0022034515590369.



Fickl, S., Fischer, K., Petersen, N., Happe, A., Schlee, M., Schlagenhauf, U., **Kebschull, M.** (2015) Dimensional evaluation of different ridge preservation techniques – a randomized clinical study. *The International Journal of Periodontics & Restorative Dentistry*, In Press.

Fickl, S., **Kebschull, M.**, Calvo-Guirado, J.L., Hurzeler, M., Zuhr, O. (2015) Experimental peri-implantitis around different types of implants - a clinical and radiographic study in dogs. *Clinical Implant Dentistry and Related Research*, Oct;17 Suppl 2:e661-9. doi:10.1111/cid.12303.

Fletcher, P.D., Constantinides, C. (2015) Resolution of a peri-implantitis defect using sterile saline for implant surface detoxification: a case report with clinical re-entry. *Clinical Advances in Periodontics*, 5: 235-241.

CLINICAL ADVANCES IN PERIODONTICS

Froum, S.J., Khouly, I., **Tarnow, D.P.**, Froum, S. Rosenberg, E., Corby, P., Kye, W., Elian, N., Schoor, R., Cho, S.C. (2015) The use of xenogeneic collagen matrix at the time of implant placement to increase the volume of buccal soft tissue. *International Journal of Periodontics & Restorative Dentistry*, 35: 179-189.

Greenstein, G. (2015) Factors contributing to attaining success in the clinical practice of dentistry. *Inside Dentistry*, 11: 3-6.

Greenstein, G. (2015) More about pain. *Journal of the American Dental Association*, May; 146(5):290-1. doi: 10.1016/j.adaj.2015.03.011.

Greenstein, G., Carpentieri, J.R., Cavallaro, J. (2015) Open contacts adjacent to dental implant restorations: Etiology, incidence, consequences, and correction. *Journal of the American Dental Association*; Nov doi: 10.1016/j.adaj.2015.06.011, Epub ahead of print.



Kebschull, M., Papapanou, P.N. (2015) Mini but mighty: MicroRNAs in the pathobiology of periodontal disease. *Periodontology 2000*, Oct; 69(1):201-20. doi: 10.1111/prd.12095.

Han, Y.W. (2015) *Fusobacterium nucleatum*: a commensal-turned pathogen. *Current Opinion in Microbiology*, 23:141-7.

Holtfreter, B., Albandar, J.M., Dietrich, T., Dye, B.A., Eaton, K.A., Eke, P.I., **Papapanou, P.N.**, Kocher, T. (2015) Standards for reporting chronic periodontitis prevalence and severity in epidemiologic studies: Proposed standards from the joint EU/USA periodontal epidemiology working group. *Journal of Clinical Periodontology*, 42: 407-412.



Lalla, E., Cheng, B., Kunzel, C., Burkett, S., Ferraro, A., Lamster, I.B. (2015). Six-month outcomes in dental patients identified with hyperglycemia: A randomized clinical trial. *Journal of Clinical Periodontology*, 42: 228-235.

Lalla, E. (2015). Unscrambling the periodontitis-diabetes connection and its implications for patient care. *Dimensions of Dental Hygiene*, 13: 56-59.

Lee, C.-T., Chuang, S.-K., **Stoupel, J.** (2015). Survival analysis and other clinical outcomes of immediate implant placement in sites with periapical lesions: Systematic review. *The International Journal of Oral and Maxillofacial Implants*, 30: 268-78.

Lee, C.-T., Tao, C.-Y., **Stoupel, J.** (2015). The effect of sub-epithelial connective tissue graft placement on esthetic outcomes following immediate implant placement: Systematic review. *Journal of Periodontology*, In Press.





Muluke, M., Gold, T., Kiefhaber, K., Alsahli, A., Celenti, R., Jiang, H., Cremers, S., Van Dyke, T., **Schulze-Späte, U.** (2015) Diet-induced obesity and its differential impact on periodontal bone loss. *Journal of Dental Research*, Epub ahead of print.

Linden, E., Vitruk, P. (2015) SuperPulse 10.6 μm CO₂ laser-assisted, closed flap treatment of peri-implantitis. *Implant Practice*, 8: 31-34.

Nie, S., Tian B., Wang, X., Pincus, D., Welker, M., Lu, X., **Han, Y.W.**, and Tang, Y.W. (2015) *Fusobacterium nucleatum* subspecies identification by matrix-assisted laser desorption/ionization time of flight mass spectrometry. *Journal of Clinical Microbiology*, 53(4):1399-402. doi: 10.1128/JCM.00239-15.

Ogihara, S., **Tarnow, D.P.** (2015) Efficacy of forced eruption/enamel matrix derivative with freeze-dried bone allograft or with demineralized freeze-dried bone allograft in infrabony defects: A randomized trial. *Quintessence International*, 46: 481-490.

Papapanou, P.N. (2015) Systemic effects of periodontitis: Lessons learned from research on atherosclerotic vascular disease and adverse pregnancy outcomes. *International Dental Journal*, Sep 20. doi: 10.1111/idj.12185, Epub ahead of print.

Samachiaro, G., Chu, S., Samachiaro, E. Gotta, S., **Tarnow, D.P.** (2015) Immediate implant placement into extraction sockets with labial plate dehiscence defects: a clinical case series. *Clinical Implant Dentistry and Related Research*, Apr 27. doi: 10.1111/cid.12347, Epub ahead of print.

Schulze-Späte U., Dietrich T., Wu, C., Wang, K., Dibart S. (2015) Systemic vitamin D supplementation and local bone formation after maxillary sinus augmentation. *Clinical Oral Implants Research*, Epub ahead of print.

Schulze-Späte, U., Bittner, N. (2015) Esthetic and surgical considerations when placing immediate implants in the maxillary anterior region (part 1). *Das Deutsche Zahnärzteblatt*, 124: 444-451.

Schulze-Späte, U., Turner, R., Wang, P., Chao, R., Schulze, P.C., Olsen, E., Dam, T. (2015) Relationship between biomarkers of bone metabolism and periodontal disease: The osteoporotic fractures in men (MrOS) study. *Journal of Clinical Endocrinology & Metabolism*, jc20144180.

Schwarz, F., Becker, K., Bastendorf, K.-D., Cardaropoli, D., Chatfield, C., Dunn, I., **Fletcher, P.**, Einwag, J., Louropoulou, A., Mombelli, A., Ower, P., Pavlovic, P., Sahrman, P., Salvi, G.E., Schmager, P., Takeuchi, Y., Van Der Weijden, F., Renvert, S. (2015) Recommendations on the clinical application of air polishing for the management of peri-implantitis. *Quintessence International*, doi:10.3290/j.qi.a35132, Epub ahead of print.



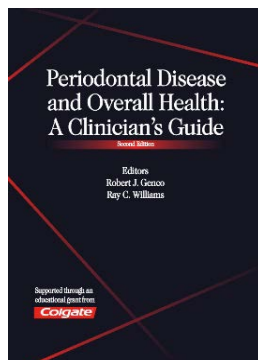
Tarnow, D.P., Fletcher, P.D. (2015) Histologic evidence of the ability of dermal allograft to function as a barrier during guided bone regeneration: A case report. *Clinical Advances in Periodontics*, 5:201-207.

Tarnow, D.P., Perez, J.M., Ghamid, S.S., Manasse, M., Froum, S.J., Shabeesh, M., Cho, S.C. (2015) A new technique to identify the location of the mucogingival junction on computer tomographic scans before implant placement. *Implant Dentistry* 24: 338-342.

Tiyerili, V., Becher, U.M., Camara, B., Yildirimturk, C., Aksoy, A., **Kebschull, M.**, Werner, N., Nickenig, G., Muller, V. (2015) Impact of peroxisome proliferator-activated receptor gamma on angiotensin II type 1 receptor-mediated insulin sensitivity, vascular inflammation and atherogenesis in hypercholesterolemic mice. *Archives of Medical Science* 11: 877-885.

Tonetti, M.S., Eickholz, P., Loos, B.G., **Papapanou, P.N.**, van der Velden, U., Armitage, G., Bouchard, P., Deinzer, R., Dietrich, T., Hughes, F., Kocher, T., Lang, N.P., Lopez, R., Needleman, I., Newton, T., Nibali, L., Pretzl, B., Ramseier, C., Sanz-Sanchez, I., Schlagenhauf, U., Suvan, J.E. (2015) Principles in prevention of periodontal diseases: Consensus report of group 1 of the 11th European Workshop on Periodontology on effective prevention of periodontal and peri-implant diseases. *Journal of Clinical Periodontology*, 42: Suppl 16:S5-11.

Book Chapters

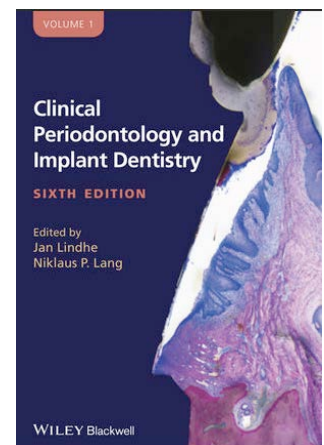


Lalla, E., Hsu, W., Lamster, I.B. (2015). Dental and Medical Co-management of Patients with Diabetes. In: *Periodontal Disease and Overall Health: A Clinician's Guide*, 2nd Edition. Eds: R. Genco & R. Williams. Professional Audience Communications, Inc., 252-274

Lalla, E., **Papapanou, P.N.** (2015) Modifying factors. In: *Clinical Periodontology and Implant Dentistry*, 6th edition. Eds: Lindhe J., Lang, N.P. Wiley-Blackwell, London, 270-289.

Papapanou, P.N., Lindhe, J. (2015) Epidemiology of periodontal diseases. In: *Clinical Periodontology and Implant Dentistry*, 6th edition; Eds: Lindhe J., Lang, N.P. Wiley-Blackwell, London, 125-166.

Papapanou, P.N., **Lalla, E.** (2015) Periodontal diseases and risk for systemic disease. In: *Clinical Periodontology and Implant Dentistry*, 6th edition; Eds: Lindhe J., Lang, N.P. Wiley-Blackwell, London, 437-471.



Editorials

Mitchell, D. A. (2015) A need for diversity in the oral health workforce. *Insight Into Diversity*, 85: 31.

INSIGHT *Into Diversity*
Connecting Diverse Professionals To Diverse Careers™

New Faces in the Division

Postdoctoral Students

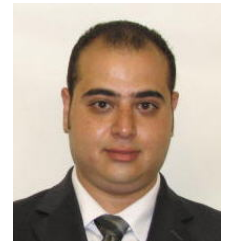
The Postdoctoral Periodontics Class of 2018 started their three year program on July 1st. Seven dentists coming from different parts of the world have joined the CDM family. A couple of words about each one of our new residents:

Abdulrahman AlMubarak, BDS. Abdulrahman received his dental degree in 2010 from King Saud University in Saudi Arabia, after which he completed a one year mandatory clinical internship in number of hospitals in Saudi Arabia. In 2012, he trained and worked to treat medically compromised patients at the tertiary care center of the King Fahd Medical City. He served as a teaching assistant at the College of Dentistry, King Saud University, where he also participated in research on bone regeneration and growth factors.



Khashayar Changi, DDS. Khashayar, or KC as everybody calls him, comes from Iran. He obtained his dental degree from the Semmelweis University in Budapest, Hungary in 2013 and completed after which he completed a one-year internship in the Department of Implant Dentistry and Prosthodontics at Loma Linda School of Dentistry.

Ramy Habib DDS, MPH, DPH. Ramy received his Bachelor's Degree in Dental Surgery from the October 6 University School of Dental Medicine, Cairo Egypt in 2005, and completed a one-year a general practice internship for a full year at the university hospital. He obtained a Master's Degree in Public Health (MPH) from Nova Southeastern University, Florida in 2011 and a certificate in Dental Public Health from Columbia University College of Dental Medicine in 2014.



Fatemeh (Flora) Momen-Heravi, DDS, MPH. Flora earned her DDS from Tehran University of Medical Sciences in 2009. Flora moved to the United States in 2011 and worked as a postdoctoral research associate first at the Harvard Medical School and then at the University of Massachusetts Medical School, conducting research on the mechanisms of cellular cross-talk through exosomes and non-coding RNAs, as well as RNA interference therapies. In 2015, Flora obtained a Master of Public Health degree from Harvard T.H. Chan School of Public Health, focusing on epidemiology and biostatistics.

Bryan (Yun Suk) Noh, DMD. Bryan was born in South Korea, but grew up in several different countries, as his father is a diplomat. He graduated from the University of Michigan, Ann Arbor in 2011 with a BS in Cell and Molecular Biology and an MSE in Biomedical Engineering. He then attended the Boston University Goldman School of Dental Medicine from where he received his DMD in 2015.



New Faces in the Division (cont.)



Noam Saltzburg, DDS. Noam was born in Philadelphia and grew up in Elizabeth, New Jersey. He received his BS degree from the University of Maryland, College Park and graduated from Columbia University College of Dental Medicine in 2015.

Jaffer A. Shariff DDS MPH DPH. Jaffer received his DDS from the K.L.E Institute of Dental Sciences, Bangalore, India in 2010, his Master's in Public Health (MPH) in Epidemiology from Tulane University School of Public Health and Tropical Medicine in 2012 and his certificate in Dental Public Health from Columbia University College of Dental Medicine in 2014.



Faculty and Staff

Moritz Kebschull DDS, former post-doctoral research scientist at the Papapanou laboratory and currently Associate Professor at the University of Bonn, Germany, was appointed Adjunct Associate Professor at the Division.

Three scientists have joined **Dr. Yiping Han's** laboratory during the course of the year:

Taotao Liu, M.D. Ph.D., a gastroenterologist from Shanghai Zhongshan Hospital, China, joined the team in April as a Visiting Scholar to study the role of the human microbiome in colorectal cancer.

Jeewon So, B.S., a 2nd-year PhD student in the Nutritional and Metabolic Biology program, joined the Han laboratory in November to study the role of oral bacteria in preterm birth.

Jen-Ruey Tang, M.D., board certified in Pediatrics and in Neonatal-Perinatal Medicine, joined the team as an Associate Research Scientist in May to study the impact of oral bacteria on infant lung development.

Honors & Awards

Student Awards

As is customary, the **Melvin Morris Awards** were presented to the 3rd year residents who excelled in their studies at the June 2015 graduation party. This year, **Dr. Elena Sanz-Miralles** was the recipient of the Excellence in Periodontics Award, and **Dr. Tzu-Shan Chiu** received the Excellence in Research Award. **Dr. Joseph Wang** received the **Murray Schwarz Scholarship**, recognizing exceptional academic performance after completion of the first year of the residency in Periodontics, and **Dr. Hosan Park** received the newly established **Kenneth L. Siegel Scholarship** that recognizes exceptional performance after the second year of studies. Finally, **Dr. Noam Saltzburg** was the recipient of the **Dr. Ralph S. Kaslick and Jessica H. Kaslick** scholarship, awarded annually to a graduate of CDM who has been accepted in our postdoctoral Periodontics program and is interested in a career in academic dentistry.

Honors & Awards (cont.)

Faculty Honors & Awards

Dr. Julie Connolly was awarded the *Columbia University College of Dental Medicine Alumni President Award for Outstanding Service*.

Dr. John Grbic was awarded the *2015 Melvin L. Moss DDS, PhD Senior Faculty Award for Excellence in Teaching*.

Dr. Evie Lalla was named *Senior Associate Dean for Faculty Development at CDM* and was accepted to the Columbia University *Provost Leadership Fellows 2015-2017 Program*.

She serves as a member of the *Steering Committee for the 2016 CDM Accreditation* and also chairs the newly-instituted *CDM Global Initiatives Group*.

At the 2015 General Session of the International Association for Dental Research meeting in Boston, Dr. Lalla assumed her role as *Immediate Past President of the Periodontal Research Group of the IADR*, after completing her tenure as President of the group.

Dr. Dennis Mitchell was appointed *Vice Provost for Faculty Diversity and Inclusion* at Columbia University. He also serves as *Chair of the Minority Affairs Advisory Committee of the American Dental Education Association*, and as a *Member of the Committee on Admissions and Membership of the New York Academy of Medicine*.

Dr. Panos N. Papapanou was awarded the *2015 William J. Gies Award for Clinical Research* by the International Association for Dental Research.

He was appointed *Co-chair of the World Workshop on the Classification Periodontal and Peri-Implant Diseases and Conditions* that is jointly organized by the American Academy of Periodontology and the European Federation of Periodontology and will take place in November 2017. Dr. Papapanou was also appointed member of the *Scientific Oversight Committee of the American Academy of Periodontology*.

Dr. Dennis Tarnow was awarded the *Distinguished Lecturer Award* by the *American Academy of Prosthodontists*.

New Research Grants

Dr. Evie Lalla was awarded a 2-year R03 grant (total costs \$ 320,000) from the the NIH/NIDCR titled *"Secondary Analysis of EHR Data to Enhance Care of Dental Patients with Diabetes"* with co-Investigators at CUMC, the Marshfield Clinic (Marshfield, WI), and Harvard University.

Dr. Dennis Mitchell is the Co-Principal Investigator of a 2-year grant from the Robert Wood Johnson Foundation (total costs \$315,000) for the support of the *Summer Medical and Dental Education Program*, an academic enrichment program for undergraduate college students from underrepresented minority groups.

Dr. Panos N. Papapanou was awarded a 2-year R03 grant from the NIH/NIDCR (total costs \$480,000) titled *"Genomic Approaches to the Classification and Pathobiology of Periodontitis"*.

He also received a 1-year grant from Colgate-Palmolive (total costs \$253,772) titled *"Development and Validation of a Minimally Invasive Technique for the Study of Gingival Tissue Transcriptomes"*, and a 2-year grant from Nobel-Biocare AB (total costs \$274,786) titled *"A Randomized Controlled Clinical Trial to Compare Two Loading Protocols Using a New Implant Design in Posterior Healed Sites"*.

Presentations by Divisional Faculty

Dr. Julie Connolly

- *Lincoln Hospital* Bronx, NY. "Dental Ethics"; August 2015.
- *Greater New York Dental Meeting* New York, NY. "Dental Ethics for the Dental Staff"; November 2015.

Dr. Paul Fletcher

- *New York University College of Dentistry* New York, NY. "The Diagnosis, Prevention and Treatment of Inflammatory Peri-implant Disease"; May 2015.
- *New York University College of Dentistry* New York, NY. "Restorative Esthetic Challenges Around Teeth and Implants"; October 2015.
- *American Academy of Periodontology Annual Meeting* Orlando, FL. "Therapeutic Protocols for the Management of Inflammatory Peri-implant Disease"; November 2015.
- *American Academy of Periodontology Annual Meeting* Orlando, FL. "Implant Surface Decontamination Utilizing Sterile Saline and Antiseptics"; November 2015.
- *Columbia University College of Dental Medicine* New York, NY. "Therapeutic Protocols for the Management of Peri-implant Disease"; November 2015.
- *Columbia University College of Dental Medicine, CU/ICOI Annual Dental Implant Symposium* New York, NY. "The Diagnosis, Prevention and Treatment of Inflammatory Peri-implant Disease"; December 2015.

Dr. John Grbic

- *2015 Pamela McClain Dental Hygiene Symposium* New York, NY. "Osteonecrosis of the Jaw"; March 2015.

Dr. Yiping W. Han

- *Cancer Regulatory Network Seminar Series Herbert Irving Comprehensive Cancer Center* New York, NY. Oral Bacteria as Drivers for Colorectal Cancer; March 2015.
- *IADR Annual Meeting* Boston, MA. Symposium on "Mobile Oral Microbiome: *Fusobacterium nucleatum* and Oncogenic Transformation"; March 2015.
- 2nd Microbiome Forum London, UK. "Fusobacterium nucleatum: Commensal or Pathogen?"; May 2015.
- *2nd International Conference on Porphyromonas gingivalis and Related Species in Oral and Systemic Diseases*, London, UK. "Fusobacterium nucleatum in Colorectal Cancer"; June 2015.
- *Hunan Maternal & Children's Hospital* Changsha, Hunan. "Impact of Oral Microbiome on Adverse Pregnancy Outcomes"; July 2015.
- *Medical University of South Carolina, College of Dental Medicine* Charleston, SC. "Fusobacterium nucleatum: A Commensal-turned Pathogen"; September 2015.
- *Department of Pediatrics, Division of Neonatology* New York, NY. "Intrauterine Bacterial Infection and Adverse Perinatal and Neonatal Outcomes"; September 2015.
- *Department of Microbiology & Immunology Annual Retreat* New York, NY. "Fusobacterium nucleatum and Adverse Pregnancy Outcomes"; September 2015.
- *Preterm Birth International Collaborative (PREBIC) and Global Alliance to Prematurity and Stillbirth (GAPPS) Symposium* Seattle, WA. "Impact of oral bacteria on pregnancy complications"; November 2015.
- *Makerere University Department of OB & GYN* Kampala, Uganda. "Impact of Oral Microbiome on Pregnancy Complications"; November 2015.
- *Uganda Dental Society* Kampala, Uganda. "Impact of Oral Bacteria on Pregnancy Complications"; November 2015.
- *Uganda Cancer Institute* Kampala, Uganda. "Fusobacterium nucleatum: A Driver for Colorectal Cancer"; November 2015.

Presentations (cont.)

- *Division of Infectious Disease, SUNY Downstate and King's County Hospital* Brooklyn, NY. "Impact of Oral Microbial Infection on Pregnancy Outcome"; December 2015.

Dr. Evie Lalla

- *International Association for Dental Research General Session*, Boston, MA. "RAGE Deletion Suppresses Atherogenesis in *P. gingivalis*-infected ApoE-null Mice"; March 2015.
- *International Association for Dental Research General Session Symposium Clinical Impact of Periodontal Research: The Legacy of Anne Haffajee*, Boston, MA. "Beyond Periodontitis: Optimizing Patient Care with Detection of Unrecognized Dysglycemia"; March 2015.
- *The European Federation of Periodontology Triennial Meeting, Europerio 8*, London, UK. "Screening for Medical Conditions in Dental Settings: The Diabetes Paradigm"; June 2015.
- *National Dental Association Annual Convention Research Forum*, Chicago, IL. "Diabetes and Periodontal Health: Considerations for Youth and for Patients at-Risk"; July 2015.
- *International Diabetes Federation World Diabetes Congress*, Vancouver, Canada. "Diabetes and Periodontitis: Underlying Mechanisms and Implications for Patients and Healthcare Providers"; December 2015.

Dr. Dennis Mitchell

- *ADEA 92nd Annual Session and Exhibition*, Boston, MA "The Two or More Race Designation: How Schools Are Navigating This New Paradigm"; March 2015.
- *ADEA Training Session - Building Academic and Community Partnerships for Innovation and Change*, Washington, DC. "Mentoring in the Academic Pipeline: Reflections From MDDF I Leaders"; June 2015

Dr. Panos N. Papapanou

- *Italian Society of Periodontology Annual Meeting*, Rimini, Italy. "Periodontitis Pathophysiology, Diagnosis and Prognosis"; March 2015.
- *International Association for Dental Research General Session*, Boston, MA. "Oral Health Status among Elderly Participants in the WHICAP Study". March 2015.
- *24th European Stroke Conference*, Vienna, Austria. "Periodontal Disease and stroke Risk"; May 2015.
- *The European Federation of Periodontology Triennial Meeting, Europerio 8*, London, UK. "Understanding Periodontitis: Determinants of Disease Susceptibility"; June 2015.
- *Bergen County Dental Society*, Washington Township, NJ. "Periodontal Infection Inflammation and General Health". December 2015.

Dr. Ulrike Schulze-Späte

- *American Heart Association Annual Meeting*, New Orleans, LA. "Periodontitis and Bone Metabolism in Patients with Advanced Heart Failure and After Heart Transplantation"; November 2015
- *ICOI 6th Annual Dental Implant Symposium, Columbia University College of Dental Medicine* New York, NY. "Maxillary Sinus Augmentation with Synthetic Biomaterials - do we have to rely on Donor Bone?"; December 2015.

Dr. Janet Stoupel

- *International Association for Dental Research General Session*, Boston, MA. "Flap vs. Flapless Immediate Implant Placement- A Randomized Controlled Trial"; March 2015.

Presentations (cont.)

Dr. Dennis Tarnow

- *University of Illinois School of Dentistry* Chicago, IL. “Controversies and innovations in implant dentistry”; January 2015.
- *Biomet European Implant Symposium* Madrid, Spain. “Socket management in the anterior region”. January 2015.
- *Princeton Study Club at Mercer College* Macon, GA. “Esthetic Problem Solving”; February 2015.
- *Miami Beach Study Group* Miami Beach, FL. “Guided Tissue Regeneration”; February 2015.
- *Academy of Osseointegration* San Francisco, CA. “Managing the Failing Dentition- the Interdisciplinary Approach”; March 2015.
- *Taipei Dental Association* Taipei, China. “Immediate vs. Delayed Socket Management in the Esthetic Zone”; March 2015.
- *Fargo Implant Society* Fargo, ND. “Controversies in Implant Dentistry”; April 2015.
- *Biohorizons World Symposium* Los Angeles, CA. “Immediate vs. Delayed Socket Management”; April 2015.
- *Milwaukee Study Club* Kohler, WI. “Innovations in Implant Dentistry”; May 2015.
- *American Academy of Cosmetic Dentistry Annual Meeting* San Francisco, CA. Management of Esthetic Failures; May 2015.
- *Beijing Esthetic Society*. Beijing, China. Esthetic Rehabilitation with Implants; June 2015.
- *Dentium New Jersey Study Group* ???, NJ. Controversies in Implant Dentistry; June 2015.
- *Keystone World Meeting*. Nashville, TN. Platform Swithed Implants in the Esthetic Zone; June 2015.
- *IDEA Interdisciplinary Course* San Francisco, CA. July-August 2015.
- *ArkLa Tex Academy of Dentistry* Shreveport, LA. Innovations and Controversies in Implant Dentistry. September 2015.
- *Spear Annual Summit* Scottsdale, AZ. Management of Esthetic Failures; September 2015.
- *American Academy of Cosmetic Dentistry New England Division* Boston, MA. Innovations in Cosmetic Dentistry. October 2015.
- *American College of Prosthodontists Annual Meeting* Orlando, FL. When to Save or Extract Teeth and Place Implants; October 2015.
- *American Dental Association Annual Meeting* Washington, D.C. Immediate vs. Delayed Socket Management; November 2015.
- *International Society of Periodontal Plastic Surgeons* Orlando, FL. Management of Sockets with Implants in the Esthetic Zone; November 2015.

CLASS OF 2015 GRADUATION



Pictured (from left): Drs. Panos Papapanou, Philip Kang, Jamie Chang, Elena Sanz-Miralles, Tzu-Shan Chiu, Matthew Hickin, Alexander Volchnokok, Shota Tsuji, and James Fine.

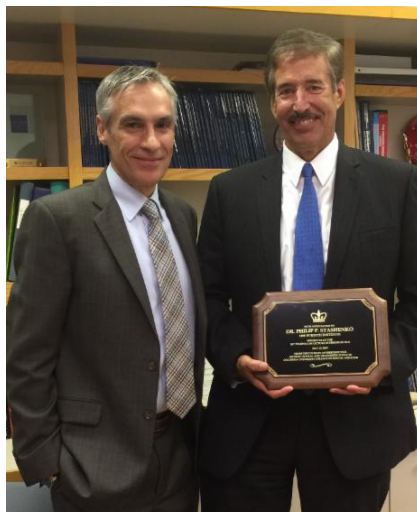
Congratulations to the five students who graduated from our Post-Doctoral Program with a Master of Science degree in June 2015!

The following is an update on their career steps since graduation:

- **Dr. Jamie Chang** is back in Singapore where she works in a private practice.
- **Dr. Elena-Sanz Miralles** is still in New York and will be appointed in January as Instructor in Dental Medicine at our Division.
- **Dr. Tzu-Shan Chiu** has moved back to Taiwan and works both in private practice and at the University.
- **Dr. Matthew Hickin** works in a private practice in Boston.
- **Dr. Alexander Volchonok** works in several private practices in the New York and Connecticut.
- **Dr. Shota Tsuji** is back in Tokyo where he works in a private practice.

We wish them all the best, and hope that they continue to keep in touch with our Division and the College.

Events (cont.)

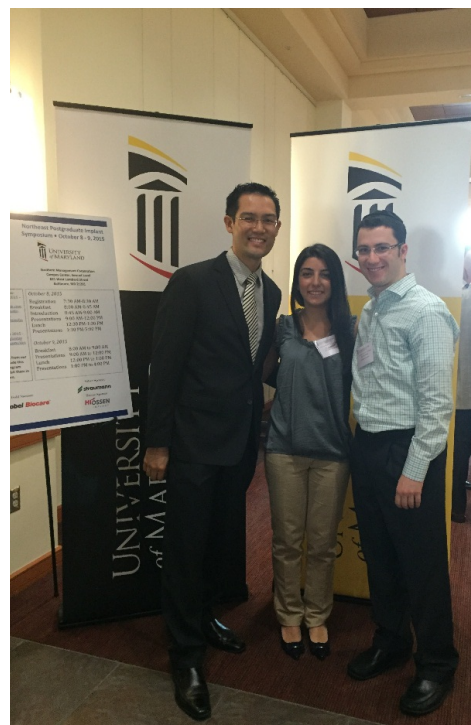


The **26th Annual Benjamin Tenenbaum Memorial Lecture** was held on May 29th. The keynote address titled "*How Omics is Changing our Understanding of Periodontal Disease Pathogenesis*" was given by **Dr. Philip Stashenko**, Chief Executive Officer, The Forsyth Institute, Cambridge, MA.

The **17th Annual International Bernard S. Moskow Memorial Lecture** was given on December 4th by **Dr. Wenyan Shi**, Professor and Chairman of Oral Biology, UCLA School of Dentistry and Professor of Microbiology and Molecular Genetics, UCLA School of Medicine. His lecture was titled "*War and Peace within Oral Microbial Communities.*"



On Oct 8th and 9th, the **Northeast Post-graduate Implant Symposium** took place at the University of Maryland. **Hosan Park** gave a case presentation titled "*Flapless Technique for Anterior Dental Implant Placement : Advantages and Limitations.*" **David Moisa** gave a presentation titled "*The Use of Collagen Matrix to Increase Peri-implant Tissue Thickness.*" **Dr. Philip Kang**, **Dr. Dennis Tarnow**, **Albert Le**, and **Lea Planzos** were there to represent Columbia Periodontics Program.



Events (cont.)

The 6th Annual ICOI/Columbia University Dental Implant Symposium led by Dr. Dennis Tarnow was held on December 11-12th. The symposium was titled: “Technology. Trends and Techniques in Implantology”. The two day event brought together an international panel of implant experts who shared their knowledge and expertise on implant dentistry.



COLUMBIA UNIVERSITY
College of Dental Medicine



INTERNATIONAL
CONGRESS
OF ORAL IMPLANTOLOGISTS



Events (cont.)

Our divisional faculty continues to excel in extra-curricular activities... **Dr. Julie Connolly** ran in the NYC Marathon on November 1st. It was her 10th marathon!



Our **Divisional Holiday Party** was held on December 16th
Faculty, students and staff all gathered to celebrate the Holiday Season.

