Yingzi Yang, PhD, professor of Developmental Biology, received an R21 award from NIH/NIAAA for, “Mechanisms of Hippo Signaling in Alcoholic Liver Disease.” The goal of this explorative project is to determine whether alcohol attenuates liver regeneration and induces liver inflammation by dysregulating the Hippo signaling pathway in hepatocytes.

Brittany Seymour, DDS, MPH, assistant professor of Oral Health Policy and Epidemiology, received an award from the Abundance Foundation for, “The Global Health Learning Helix: Modeling 3D Global Health Education.” The goal of this project is to develop the Global Health Learning Helix, a longitudinal curriculum tool that is competency-based, and will incorporate didactic and experiential learning at Harvard.

Vicki Rosen, PhD, professor and chair of Developmental Biology, received a subcontract award from Massachusetts Institute of Technology for, “Cartilage-Bone-Synovium MPS: Musculoskeletal Disease Biology in Space” (PI: Grodzinsky; NIH/NCATS). Rosen will develop a protocol for histological assessment of osteochondral plugs and the subsequent analysis of bone changes in osteochondral plugs undergoing cytokine treatment and injury.

Roland Baron, DDS, PhD, professor and chair of Oral Medicine, Infection and Immunity, received a subcontract award from Maine Medical Center for, “Cellular Mechanisms of PTH1R Activation With Osteoporosis Treatment” (PIs: Rosen and Black; NIH/NIAMS). Baron will be responsible for the analysis of the bone biopsies in a unique protocol aimed at assessing the micro-environmental interaction between bone surface cellular activities and bone marrow adipocytes, including trabecular and cortical bone.

Hiroe Ohyama, DDS, MMSc, PhD, DMD, Receives HMS Academy Medical Education Fellowship & AADC Awards

Dr. Hiroe Ohyama, assistant professor and director of operative dentistry in the Department of Restorative Dentistry and Biomaterials Sciences, received The HMS Academy Medical Education Fellowship. This fellowship will support Ohyama’s research entitled, “Integration of Digital 3D Technologies Into Dental Curriculum for Improvement of Students Self Assessment Abilities.” The HMS Academy Medical Education Fellowship provides educators with dedicated time to develop the expertise and skills needed to advance academic careers in medical education and medical education research.

Ohyama was also recognized for her research from The American Academy of Cosmetic Dentistry (AADC). She received first place in the 2016 Junior Faculty Materials Poster Category for, “Evaluation of Properties of Restorations using CAD/3D Printing Technology.” She received second place in the 2017 poster competition for, “Innovative Educational Tools: Digital 3D Technologies for Self-Assessment.” Lastly, Ohyama mentored Jie Sun, DMD’17 (photo left with Ohyama), who received the Senior Student AADC HEAPS Clinical Case Award.
**POSTDOCS & SCHOLARS**

**Dian Teguh, PhD,** joined the Ionescu Lab as a postdoctoral fellow in the Department of Developmental Biology. Teguh was born in Bali, Indonesia but spent half of her life in Perth, Western Australia. She completed her PhD in pathology working on the characterization of an ENU-induced mutant mouse with a phenotype of bone loss at the University of Western Australia, under the supervision of Drs. Jiake Xu and Jennifer Tickner. In the Ionescu Lab, Teguh is working on isolating and characterizing a chondrocyte progenitor population with a relevance to osteoarthritis.

**Jue Hou, PhD,** joined the Intini Lab as a postdoctoral fellow in the Department of Oral Medicine, Infection and Immunity. Hou attended the University of California, Irving, where he earned his PhD in biomedical engineering working with Drs. Bruce Tromberg and Eric Potma on imaging breast cancer metabolism using multimodal, non-linear optical microscopy. In the Intini Lab, Hou is working on identifying and characterizing osteosarcoma cancer stem cell with a multi-fluorescent mouse model and intravital microscopy.

**Qian Cong, PhD,** joined the Yang Lab as a postdoctoral fellow in the Department of Developmental Biology. Cong comes from Shanghai Jiao Tong University, where she worked in the Baojie Li Lab at the Bio-X Institution on the molecular mechanisms of bone-marrow mesenchymal cells and monocytes on bone development and metabolism. In the Yang Lab, Cong is working on exploring the role of ENPP1 on bone ossification and the mechanisms of progressing heterotopic ossification.

**Xiaohui Wang, PhD,** joined the Yang Lab as a postdoctoral fellow in the Department of Developmental Biology. Wang is from Zhoukou City, China and received his PhD degree in biomedical sciences from East Tennessee State University. In the Yang Lab, Wang is working on exploring the role of Hippo-YAP signaling pathway in alcohol-induced liver injury.

**Nora Renthal, MD, PhD,** joined the Rosen Lab as a postdoctoral fellow in the Department of Developmental Biology. Renthal received her MD and PhD degrees from the University of Texas Southwestern Medical Center. In the Rosen Lab, Renthal is working on exploring the role of GDF5 in joint development. She is also a pediatric endocrinology fellow at Boston Children’s Hospital.

**Zhengtao (Alex) Lyu,** joined the Baron Lab as a visiting scholar in Oral Medicine, Infection and Immunity. Lyu is a PhD candidate at the Tongji Medical College of Huazhong University in China. In the Baron Lab, he will spend two years investigating the role of TGFβ signaling in osteocytes in bone homeostasis and osteoporosis.

**Eneida Vencios, DDS, MS, PhD,** photo left, with Dr. Sook Bin Woo), joined Woo, associate professor of oral and maxillofacial pathology in the Department of Oral Medicine, Infection and Immunity, as a visiting Fulbright Scholar from the Universidade Federal de Goiás, Brazil where she is an Associate Professor of oral and maxillofacial pathology in the Department of Oral Medicine. Vencios spent the month of September visiting the Division of Oral and Maxillofacial Pathology, working with Woo and her advanced graduate oral pathology colleagues and students. She also worked with Dr. Jeffrey Krane, a head and neck pathologist at the Brigham and Women’s Hospital. Her interests are in the role of human papillomavirus in oral cancer in non-smoking patients and she will be collaborating with colleagues in many centers around the world for her research.

**Hossein Bassir DDS, DMSc17, Receives Robert Schoor Research Award**

Dr. Hossein Bassir (photo left, with Dr. Giuseppe Intini), was selected as the recipient of the American Academy of Periodontology Foundation Robert S. Schoor Research Award. This award is given to the first author of a manuscript that is significant to the clinical practice of periodontology. The title of Bassir’s research, which was conducted under the mentorship of Dr. Intini in the Department of Oral Medicine, Infection and Immunity at HSDM, is “*Paired-Related Homeobox 1 Expressing Cells Are Required for Periodontal Homeostasis and Periodontal Regeneration.*”
**HSDM PUBLICATIONS**

**Developmental Biology**


**Restorative Dentistry and Biomaterials Sciences**


**Oral Medicine, Infection and Immunity**


Kota S, Pernicone E, Leaf D, Stillman I, Waikar S, Kota S. BPI fold-containing family a member 2/parotid secretory protein is an early biomarker of AKI. *American Society of Nephrology* 2017; Aug 5.


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Wenyuan Shi, PhD Appointed CEO/CSO of The Forsyth Institute

The Forsyth Institute has appointed Dr. Wenyuan Shi as chief executive officer and chief scientific officer. Shi is the co-author of over 200 scientific articles and is credited as co-inventor of 45 patents. Most notable among these inventions is an herbal lollipop that can treat tooth decay in children, which he designed and brought to market in 2008. In recent years, Shi has worked to patent a series of inventions that aim to more effectively kill bacteria in the mouth, preventing dental problems like gum infections and tooth decay before they start. Prior to joining Forsyth, Shi was Chair of the Section of Oral Biology at the UCLA School of Dentistry and Doctoral Advisor for the Oral Biology PhD Program. “I am excited to be joining an organization whose mission so closely aligns with my passions,” said Dr. Shi. “The Forsyth Institute has long been a leader in bringing together great minds and fostering discussion and discovery. I truly believe that we can revolutionize the way oral health and overall health are perceived through foundational research discoveries, as well as through community outreach programs that educate the public about the importance of oral health. I look forward to furthering the Forsyth mission by elevating oral health into the national spotlight and by continuing to serve as a convenor around important discussions that will drive new discoveries.”

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