Katherine Vig, BDS, MS, DOrth, Receives Honors of the Association Award from the American Cleft Palate-Craniofacial Association

Dr. Katherine Vig, senior lecturer in the Department of Developmental Biology at HSDM, received the Honors of the Association Award from the American Cleft Palate-Craniofacial Association.

Vig's vast research and clinical career, compiled in peer-reviewed journal articles, commentaries, discussions, books, and lectures, has established her reputation as an expert in the orthodontic management of craniofacial anomalies as well as in the topics of alveolar bone grafting, orthognathic surgery, treatment satisfaction, quality of life, and evidence-based practice. Vig currently serves as a reviewer for the American Journal of Orthodontics, Cleft-Palate-Craniofacial Journal, and the British Journal of Orthodontics. Vig has published over 100 scientific articles and has co-authored three textbooks.

The ACPA Honors of the Association Award represents the ACPA highest expression of respect and gratitude ACPA bestows. It is granted to an individual whose lifetime of research, health care delivery or leadership has advanced, significantly and uniquely, the amelioration of physical, behavioral or social handicapping conditions of cleft lip and palate or other craniofacial anomalies.

Nisarg Patel, Receives ADA Dentsply /Sirona Award

Nisarg Patel, an HSDM student in the DMD class of 2018, received this year's Student Clinician Research Program Award from the American Dental Association (ADA) Dentsply/Sirona Program. This Program was first presented in 1959 at the centennial session of the ADA in New York City as a joint venture between then DENTSPLY International and the ADA. Patel is founder and CEO of Memora Health, a digital health company building natural language processing technology to provide patients with care support and health monitoring at home. Prior to enrolling at HSDM, Nisarag was a synthetic biologist at the Wyss Institute and Arizona State University researching cancer immunotherapy, infectious disease diagnostics, and CRISPR/Cas9 mediated genome editing.

DMD Class of 2017 Students Receive Honors in Research

Cherry Choy
Caregivers’ perspectives on preschool children’s beverage consumption behaviors and influences
Mentor, Dr. Inyang Isong

Jason Outlaw
Caries free communities: The development of site selection criteria
Mentor, Dr. Saska Estupinan Day

Joseph DePalo
Assessing the relationship between oral chronic graft-versus-host disease and global measures of quality of life
Mentor, Dr. Nathaniel Treister

James Baker
Opioid prescribing after surgical extraction of teeth in medicaid patients, 2000-2010
Mentor, Dr. Brian Bateman

Sara Tejani
Candidal carriage predicts candidiasis during topical immunosuppressive therapy: A preliminary retrospective cohort study
Mentor, Dr. Sook-Bin Woo

Continued on page 2
Dr. Andreia Ionescu, Assistant Professor in the Department of Developmental Biology at HSDM, received an *Eleanor and Miles Shore 50th Anniversary Fellowship Award* in honor of Aina M. Auskaps, DMD. This Award will help support her project, “Isolation and characterization of a chondrocyte progenitor population with relevance to Osteoarthritis.”

Ionescu received a BS degree in Physics from University of Bucharest, Romania followed by a PhD degree in Biochemistry and Biophysics from the University of Rochester Medical School, NY. In 2003, Ionescu joined Dr. Andrew Lassar’s lab at Harvard Medical School as a postdoctoral fellow, where she discovered a new family of transcription factors (FoxA) that plays a crucial role in both cartilage development and osteoarthritis. In 2012, Ionescu was awarded a 2-year grant from the Arthritis National Research Foundation (ANRF) to investigate whether loss of FoxA expression in articular cartilage can protect the knee joint articular cartilage against osteoarthritic degradation. This research has received two prizes for excellence, the Frances D. Morongo award (2012) and the Jack and Vonnie Schlomer award (2013) from the ANRF. Ionescu joined the faculty in the Department of Developmental Biology at Harvard School of Dental Medicine in 2014.

The purpose of the *Shore Fellowship Program* is to enhance the quality and diversity of the Faculty of Medicine at all ranks. Stipends are offered to junior faculty at the most critical point in their academic careers.

**Erica Shapiro-Frenkel Graduates with PhD from BSDM Program**

Erica Shapiro-Frenkel, PhD, DMD 2019 candidate, will graduate this May with a PhD degree in Biological Sciences in Dental Medicine. Shapiro completed her PhD thesis work, “The role of MUC5B salivary mucin in modulating oral bacterial surface colonization and interspecies competition” under the mentorship of Katharina Ribbeck professor of Tissue Engineering in the Department of Biological Engineering at Massachusetts Institute of Technology. Shapiro-Frenkel stated, “I am looking forward to rejoining the Class of 2019 and gaining more clinical experience. Ultimately, I would like to combine my interests in dentistry and research. I would like to investigate the scientific and clinical aspects of dentistry, pinpointing limiting factors in dental practice and developing solutions in the laboratory.”

**DMD Honors in Research (cont.)**

**Karan Ganjawalla**
Upper airway length is predictive of sleep apnea in syndromic craniosynostosis
Mentor, Dr. Bonnie Padwa

**Patrick Vaughn**
Global patterns of QALY and DALY use in surgical cost-utility analyses: A systematic review
Mentor, Dr. Edward Caterson
HSDM Publications

DEVELOPMENTAL BIOLOGY


ORAL HEALTH POLICY AND EPIDEMIOLOGY


ORAL MEDICINE, INFECTION AND IMMUNITY


Sonis S. The chicken or the egg? Changes in oral microbiota as cause or consequence of mucositis during radiation therapy. EBioMedicine 2017;18:7-8.

Stojanov I, Malik U, Woo SB. Intraoral salivary duct cyst: Clinical and histopathologic features of 177 cases. Head and Neck Pathology 2017; Mar 27.


ORAL AND MAXILLOFACIAL SURGERY


RESTORATIVE DENTISTRY AND BIOMATERIALS SCIENCES


MULTI-DEPARTMENTAL


Giddon D, Donoff RB, Edwards P, Goldblatt L. Should dental schools train dentists to routinely provide limited preventive primary medical care? Two viewpoints: Viewpoint 1: Dentists should be trained to routinely provide limited preventive primary care and Viewpoint 2: Dentists should be trained in primary care medicine to enable comprehensive patient management within their scope of practice. Journal of Dental Education 2017; 81:561-570.

2017 Research Day Poster Awards

POSTDOCTORAL FELLOW CATEGORY
Sanjoy Khan, PhD, Postdoctoral Fellow
Expression of GαsR201H in mesenchymal progenitor cells causes fibrous dysplasia in mice
Mentor, Dr. Yingzi Yang

DMSc STUDENT CATEGORY
Alaa Ahmed, DDS, (DMSc Periodontology, 2017)
The impact of hyperglycemia on human neutrophil function
Mentor, Dr. Thomas Van Dyke

Karim El Kholy, DDS, (DMSc Implant Dentistry, 2017)
Investigating the role of resolvin E1 in bone remodeling
Mentor, Dr. Thomas Van Dyke

MMSc STUDENT CATEGORY
Sara Shah, DMD, (MMSc Periodontology, 2017)
The use of extra-short dental implants for the rehabilitation of missing teeth: A randomized controlled clinical trial
Mentor, Dr. Eli Machtei

Afsaneh Shahrkohi Rad, DMD, (MMSc Prosthodontics, 2017)
A novel multifunctional polymeric membrane for periodontal tissue engineering
Mentor, Dr. Ali Khademhosseini

DMD STUDENT CATEGORY
Joseph DePalo, (DMD, 2017)
Assessing the relationship between oral chronic graft-versus-host disease and global measures of quality of life
Mentor, Dr. Nathaniel Treister

Jonathan Foster, (DMD, 2017)
Computational identification and segmentation of the PDL collagen networks
Mentor, Dr. Gili Naveh

Alexander Hahn, (DMD, 2017)
Conformational dynamics of antibodies via in silico simulations
Mentor, Dr. Piotrek Sliz

Hend Alqaderi, BDS, DMSc, Receives Leverett Award

Dr. Hend Alqaderi, lecturer in Oral Health Policy and Epidemiology, received the Leverett Graduate Student Merit Award by the American Association of Public Health Dentistry for Outstanding Achievement in Dental Public Health. She was presented with the award at the National Oral Health Conference at Albuquerque, New Mexico in April 2017.

Alqaderi has a Bachelor of Dental Surgery degree from the Faculty of Dentistry in Alexandria University, Egypt. She completed an Advanced General Dentistry Fellowship at the Royal College of Surgeon in Ireland in 2008. In 2016, Alqaderi received a DMSc and a Certificate in Dental Public Health from HSDM.

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