

The University of Texas Health Science Center at Houston School of Dentistry
2015 Summer Research Program

- **Kelvin Barahona**, University of Houston-Downtown student, Dr. Kalu Ogbureke
“Expression of Cancer Stem Cell Markers in OSCC Cells”
- **Megan Do**, Agnes Scott College student, Dr. Walid Fakhouri
“The Role of *Irf6* in Salivary Gland and Pancreas Development”
- **Angel Rivera**, University of St. Thomas student, Dr. Muhammad Walji
“Approach for Using Electronic Health Record (EHR) Data to Examine the Association Between Periodontitis and Obesity”
- **Trevor Schnupp**, Texas A&M University, College Station, Dr. Jeremy Schaefer
“Long Noncoding RNA Expression in the Mouse Model of Colitis”
- **Kimberly Westerman**, Rice University, Dr. Brett Chiquet
“Association of β -Catenin-Mediated Wnt Pathway Genes with Nonsyndromic Cleft Lip With or Without Cleft Palate”
- **Ola Al Hatem**, DS1, Drs. Wenjian Zhang and Lincoln Edwards
“CBCT Evaluation of Mandibular Bone Density in Non-Diabetic vs. Diabetic Populations”
- **Travis Bauer**, DS1, Drs. Cameron Jeter and June Sadowsky
“Dysphagia Is a Progressive Feature of Parkinson’s Disease That Manifests After 10 Years”
- **Katherine Richardson**, DS1, Dr. Gena Tribble
“Genetic and Physiological Analysis of Bacterial Communities Involved in Nitrate Reduction and Blood Pressure Regulation”
- **Nicholas Rodriguez**, DS1, Drs. Jacqueline Hecht and Ariadne Letra
“*BRCA1* and *BRCA2* Gene Variants and Nonsyndromic Cleft Lip With or Without Cleft Palate”
- **Caroline Skalley**, DS1, Dr. Ransome van der Hoeven
“Determining the Antimicrobial Activities of Essential Oils Against Oral Pathogenic Bacteria”
- **Zhiyong Fan**, DS2, Dr. Dharini van der Hoeven
“Fendiline Inhibits Oral Carcinoma Cell Proliferation, Migration and Clonogenic Survival Through Inhibition of H-Ras Signaling”
- **Marcos Garcia**, DS2, Dr. Rade Paravina
“Color Compatibility Between Two Shade Guides”
- **Samin Huque**, DS2, Drs. Harold Henson and Richard Halpin
“The Use of Lecture Capture in Dental Education”
- **Adrienne Rhodes**, DS2, Dr. Cameron Jeter
“Neurologist to Patient Education on the Oral Health Needs of Parkinson’s Disease”
- **Anne Scruggs**, DS2, Dr. Junichi Iwata
“The Role of WNT/ β -catenin Signaling in Tongue Development”
- **Zachary Smith**, DS2, Dr. Michael Miller
“Players Versus Layers: Comparing Athletic Mouthguards, Multi-Laminate Against All-in-One Laminate”

- **Kristin Swanson**, DS2, Dr. Jeremy Schaefer
“Altered Salivary miRNA Expression as Biomarker for Disease in Patients with Eosinophilic Esophagitis”
- **Meredith Williams**, DS2, Drs. Ariadne Letra, Renato Silva and Sercan Akyalcin
“Association Between Colorectal Cancer Polymorphic Variants and Isolated Tooth Agenesis”
- **Avery Gil**, DS3, Drs. Shalizeh Patel and Juliana Barros
“Adapting High Intensity Diode Laser to Pre-Existing Low Level Laser Parameters”
- **Stuart Rooney**, DS3, Dr. Gena Tribble
“Identification of Genetic Variation Underlying Biofilm Formation in *Porphyromonas Gingivalis*”
- **David Francis**, DS3, Drs. Marilia Sly, Julianna Barros and Shalizeh Patel
“Compare: A Novel Grading Approach in Evaluating Pre-Clinical Class I Preparations”
- **Francisco Nieves**, DS4, Drs. Renato Silva and Ariadne Letra
“DNA Methylation Levels as a Potential Biomarker in the Development of Apical Periodontitis”
- **Brian Patterson**, DS4, Drs. Kevin Hallgren, Jeryl English and Sercan Akyalcin
“The Color Properties of Demineralized Enamel Surfaces Treated With a Resin Infiltration System”