



Virtual STUDENT RESEARCH SHOWCASE

TUESDAY, OCTOBER 20, 2020

STUDENT ORAL PRESENTATIONS VIA CISCO WEBEX

SYMPOSIUM I BASIC SCIENCES | [WEBEX LINK](#)

12:10pm - 12:25pm Ryan Lee (DS2)

- Dissecting the regulation of the oxidative stress response in *C. elegans*

12:25pm - 12:40pm Cesar Zapata (DS1)

- Collagen XVII in the Salivary Gland

12:40pm - 12:55pm Julia Zheng (Undergraduate Student, University of Texas at Austin)

- Diet Impacts Nitric Oxide Metagenome in the Oral Microbiome

SYMPOSIUM II CLINICAL ASSESSMENT | [WEBEX LINK](#)

12:10pm - 12:25pm Renee Kono (DS1)

- Applying Machine Learning on Furcation Defects Identification Using Periapical Radiographs

12:25pm - 12:40pm Nakleh Mseeh (DS1)

- Clinical Experience Levels to Diagnose Radiolucent Lesions from Peri-apical Radiographs

12:40pm - 12:55pm Andrea “Deya” Pajarillo (DS3)

- Communicating with Patients with Limited English Proficiency in Dental School Clinics.

SYMPOSIUM III CRANIOFACIAL SCIENCES | [WEBEX LINK](#)

12:10pm - 12:25pm Khoi Le (DS2)

- Incidence of Co-morbid TMD and OSA Reported Symptoms in the University of Texas Health Science Center School of Dentistry at Houston

12:25pm - 12:40pm Omkar Patel (DS1)

- Oral health concerns in pseudoachondroplasia

12:40pm - 12:55pm Rahul Paul (DS1)

- Twist1 is necessary for cranial neural crest cell delamination and migration

SYMPOSIUM IV TOOTH AGENESIS | [WEBEX LINK](#)

12:10pm - 12:25pm Amulya Gaddam (DS1)

- Systematic review of genes associated with tooth agenesis in humans and mice

12:25pm - 12:40pm Elizabeth Hunter (DS1)

- Understanding Syndromic Tooth Agensis. A GeneReviews Chapter Part 1

12:40pm - 12:55pm Simone Menezes (DS3)

- Understanding Non-Syndromic Tooth Agensis. A GeneReviews Chapter Part 2

SYMPOSIUM V AADR STUDENT RESEARCH DAY COMPETITION | [WEBEX LINK](#)

12:10pm - 12:25pm Ali Al Hatem (DS2)

- Metformin induced protective mechanisms against mitis group streptococci

12:25pm - 12:40pm Nicholas Tipton (DS2)

- Success and complications of implant prostheses. A retrospective record review

12:40pm - 12:55pm Mary Younan (DS2)

- Prolonged General Anesthesia in a Pediatric Population

SYMPOSIUM VI ADVANCED STUDENTS | [WEBEX LINK](#)

12:10pm - 12:25pm Caitlynn Barrows (GSBS Student - Farach-Carson/Young Labs)

- ACE2 expression and polymorphisms in salivary glands and SARS-CoV-2 infectivity

12:25pm - 12:40pm Kent Healy (DS4 – Fakhouri Lab)

- Investigating the Role of Zoledronic Acid on Bone Development in MRONJ Using an Innovative Mouse Embryonic Mandibular Explant

12:40pm - 12:55pm Wisdom Orakwue (CPRIT Student – Farach-Carson Lab)

- Exploring Surface Biomarkers for Early Detection of Colorectal Cancer

12:55pm - 1:10pm Nicole Stephens (GSBS Student – Jeter Lab)

- Oral Health in Nursing Home Residents

1:10pm - 1:25pm Tristan Tellman (GSBS Student – Farach-Carson Lab)

- Flipping the Switch: Controlling Metastatic Behavior of Prostate Cancer Cells via the Perlecan-Semaphorin 3A-Plexin A1-Neuropilin-1 Complex

SYMPOSIUM VII TRAINEES AND RESIDENTS | [WEBEX LINK](#)

12:10pm - 12:25pm Andrew Dugum, DMD, MPH (Perio Resident)

- The role of age and gender in the outcomes of non-surgical periodontal therapy

12:25pm - 12:40pm Chihiro Iwaya, PhD (Iwata Lab)

- Cholesterol overload in the salivary glands causes Sjögren's syndrome

12:40pm - 12:55pm Zhen Shen, DMD, PhD (Endo Resident)

- Expression profiling and functional characterization of microRNAs in apical periodontitis

12:55pm - 1:10pm Junbo Shim, MS (Iwata Lab)

- Tooth defects related to autophagy deficiency

1:10pm - 1:25pm Hiroki Yoshioka, PhD (Iwata Lab)

- Genes and microRNAs associated with cleft palate in mice