Research Day 2022

Three-hundred participants gathered virtually earlier this year to hear lectures and celebrate the winners of the college's 38th Research Day. The day began with a faculty lecture from Dean Carroll Ann Trotman and included a lecture on "The Power of the Face: Restoring Paralysis and Clefting" by distinguished lecturer Sarah M. Knox, PhD, associate professor in the Department of Cell & Tissue Biology at the University of California, San Francisco, School of Dentistry. The event concluded with awards recognizing the exceptional research efforts of dental students, graduate students, post-doctoral fellows, residents and faculty.

Faculty "Paper of the Year" Awards

Category: Basic Research

Authors: Mukherjee et al.

Publication: "Acquisition of oral microbiota is driven by environment, not host genetics." *Microbiome*. 2021; 9:54.

Category: Clinical Research

Authors: Azadani EN et al.

Publication: "The association between traumatic dental and brain injuries in American children." *Dental Traumatology*. 2021;37:114–122. Division of Pediatric Dentistry

Category: Social and Behavioral Sciences and Public Health Research

Authors: Claman DB et al.

Publication: "Accuracy of Parental Self-Report of Medical History in a Dental Setting: Integrated Electronic Health Record and Nonintegrated Dental Record." *Pediatric Dentistry*. 2021;43(3):230-6. Division of Pediatric Dentistry

Dean's Awards for Excellence in Research

Dental Student Award

1st place:

William Vu 2022 (DDS)

Advisor: Purnima Kumar, BDS, PhD Title: A Comparative Study on the Effects of E-Cigarettes and Smoking on the Oral Metabolome

2nd place:

Joe Kainrad 2023 (DDS)

Advisor: Do-Gyoon Kim, PhD Title: Gingival Epithelium Gene Regulation and Inflammatory Response to JUUL E-cigarettes

3rd place:

Parker Heiner 2023 (DDS)

Advisor: Ching-Chang Ko, DDS, PhD Title: Dental crowding predicted by machine learning from clinical photos

Graduate Student Award

1st place:

Natalie Andras, DDS/PhD

Advisor: Brian Foster, PhD

Title: Dentoalveolar Defects from Neural Crest Conditional Deletion of Bone Sialoprotein

1st place:

Shifa Shahid, PhD

Advisor: John Bartlett, PhD

Title: Altered Enamel Phenotype of ADAM10 Conditional Knockout Mice

2nd place:

Michelle Scott, DDS/PhD

Advisor: Purnima Kumar, BDS, PhD Title: Impact of JUUL e-cigarettes on oralhost microbial interactions

Center for Clinical and Translational Science Best Clinical and Translational Abstract

William Vu 2022 (DDS)

Advisor: Purnima Kumar, BDS, MS, PhD
Title: A Comparative Study on the Effects of
E-Cigarettes and Smoking on the Oral Metabolome

Post-doctoral Fellow Award

Fatma F. Mohamed, Division of Biosciences

Advisor: Brian Foster, PhD

Title: Alpl ablation in neural crest lineages causes

dentoalveolar defects characteristic of hypophosphatasia

ADDR/Dentsply Student Clinician Award

Natalie Andras, DDS/PhD

Advisor: Brian Foster, PhD

Title: Dentoalveolar Defects from Neural Crest Conditional Deletion of Bone Sialoprotein

OSU Alumni Merit Award

Joe Kainrad 2023 (DDS)

Advisor: Do-Gyoon Kim, PhD

Title: Gingival Epithelium Gene Regulation and Infammatory Response to JUUL E-cigarettes

OSU Alumni Achievement Award

Parker Heiner 2023 (DDS)

Advisor: Ching-Chang Ko, DDS, PhD Title: Dental crowding predicted by machine learning from clinical photos

AADR Student Research Day Award

Kelly Doan 2022 (DDS)

Advisor: Do-Gyoon Kim, PhD

Title: Alveolar Bone Mineral Density

in Women With Aging

