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.
Division of Pediatric Dentistry

**Category: Social and Behavioral Sciences and Public Health Research**
**Authors:** Claman DB et al.
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 Inflammatory 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