

## COUNCIL ON SCIENTIFIC AFFAIRS REPORT

The Council on Scientific Affairs (COSA) met via Zoom on January 5, 2024.

- COSA accepted:
  - 16 Oral Research applications to be presented at the Annual Session on Sunday, May 5, 2024 from 8:00 am – 12 pm.
  - 315 e-Poster applications. There will be no hard copies of Posterboards displayed at the Annual Session. e-Posters will be available for viewing during the Annual Session and until July 31, 2024 on the AAO website.
  - 31 Table Clinic that will be held at the Annual Session on Sunday, May 5, 2024 from 9:30am-11:30am. COSA will judge the Table Clinics and award the **Joseph E. Johnson Clinical Award**.
- COSA reviewed 19 applications for the Hellman, Sicher, and Graber Awards. The award winners will receive their award plaques at the Annual Session on Saturday, May 4th, 2024 at 1:15pm. The Hellman, Sicher, Graber lectures will be held at the Annual Session on Saturday, May 4, 2024 from 1:30pm-3:30pm. The following are the 2024 AAO Research Awards winners:

### **Milo Hellman Research Award**

Dr. Elizabeth Soulas - University of Michigan

Research titled: "In Vivo Analyses of Small Pore Polymer Scaffolds for Creation of an Artificial Cranial Stem Cell Niche"

### **Harry Sicher Research Award**

Dr. Sheng Wang - Ohio State University / University of Maryland

Research titled: "Nociceptive Nerves Mediate Orthodontic Tooth Movement via Substance P and Mechanosensitive Ion Channel Piezo 2"

### **Thomas M. Graber Awards of Special Merit**

Dr. Erika Babikow - University of North Carolina - Chapel Hill

Research titled: "Immune Dysregulation in the Oral Cavity During Early SARS-CoV-2 Infection"

Dr. Brittany Trinh - University of Texas - Houston

Research titled: "Molecular Rescue of a Mouse Model: Primary Failure of Eruption"

Dr. Erin Yoshida - University of Washington

Research titled: "Mitigation of Aerosol Particles during Composite Attachment Removal"

Dr. Katherine Chapman - University of Connecticut

Research titled: "Development and Application of a Deep Learning Algorithm for Automated Identification of Landmarks on Lateral Cephalograms Using RCNN"

COSA invites all Annual Session attendees to come and listen to these award-winning lectures.

- COSA was accepting applications for the 2024 William R. Proffit Resident Scholar Award. The online application was available on the AAO website. The deadline to apply for this program was February 1, 2024. COSA members will judge this program on Saturday morning, May 4, 2024. The awards will be given during the open hour of the program from 1:00pm-2:00pm on Saturday, May 4.
- The 2025 Hellman, Sicher, Graber online application will be available on March 15, 2024. The deadline to apply is October 1, 2024.

### **Future meetings**

- COSA will meet during the Annual Session on Friday, May 3rd, 2024.
- COSA meets every January by Zoom. The next Zoom meeting is scheduled for January 10, 2025.