



**AAO Council on Scientific Affairs**  
**Juan Martin Palomo DDS MSD**

**August 2023**

During Annual Session, COSA members judged 26 William R. Proffit Resident Scholar Award presentations and 30 Table Clinic presentations. COSA members moderated 27 Oral Research presentations and the Hellman, Sicher, Graber lectures. 286 E-Posters were available for viewing during Annual Session.

The 2023 William R. Proffit Resident Scholar Award winners are:



From left to right bottom row:  
Taylor Finn, Min (Sherry) Yang,  
Grace Kim  
Upper row:  
Steven Marshall, COSA chair,  
Sheng Wang, Brittany Trinh, Anita  
Ribeiro, Yoon Weon (Christina) Suh

### **Basic Science Research**

**First place:** Sheng Wang - Ohio State University; Research title: Knockout of Piezo2 in nociceptors decreases tooth movement in mice

**Second place:** Brittany Trinh - University of Texas - Houston; Research title: Molecular rescue of primary failure of tooth eruption in mouse molars

**Third place:** Grace Kim - Harvard University; Research title: Effects of magnetic field on periodontal ligament fibroblasts(hPDLF) under orthodontic forces

### **Clinical Research**

**First place:** Min (Sherry) Yang - University of Pennsylvania; Research title: Accurate gingival segmentation from 3D images with artificial intelligence

**Second place:** Anita Ribeiro - University of São Paulo; Research title: 3D evaluated dental changes during gummy smile treatment with mini-screws after micro-osteoperforations

**Third place:** Taylor Finn - Columbia University; Research title: Alveolar bone microarchitecture in postmenopausal women living with HIV (PLWH)

**Third place:** Yoon Weon (Christina) Suh - University of the Pacific; Research title: Comprehensive 3D analysis of nasoalveolar molding in cleft lip and palate patients



COSA members want to thank Sath Allareddy, Frans Currier and Bhavna Shroff for helping judge the 2023 William R. Proffit Resident Scholar Award.

Judges for the 2023 William R. Proffit Resident Scholar Award from left to right bottom row: Sumit Yadav, Michael Duryea, Eser Tufekci, Burcu Bayirli, Bhavna Shroff.

Upper row: Juan Martin Palomo, Jose Bosio, Sath Allareddy, Frans Currier, Steven Marshall The 2023

Joseph E. Johnson Clinical Award for Table Clinics winners are:



From left to right:  
Masayoshi Uezono, Joy Gerasco,  
Alvise Caburlotto

**First place:** Masayoshi Uezono – Tokyo Medical and Dental University Research title: New miniscrew- type absolute anchorage device for orthodontic treatment: a case report

**Second place:** Joy Gerasco - University of North Carolina – Chapel Hill; Research title: Antibiotics alter fibroblast-osteoclast signaling in orthodontic tooth movement

**Third place:** Alvise Caburlotto – University of Cagliari; Research title: An improved CAD-CAM lingual fixed retainer

The 2023 Hellman, Sicher, Graber award winners received their award plaques prior to their lectures at Annual Session:



From left to right:  
Graber award winner Karen Homs-Przybylo,  
Graber award winner Nicholas Shirey, Graber  
award winner Taneisha Livingston Brown,  
Hellman award winner Po- Jung Chen, Sicher  
award winner Abbey Janssen, COSA chair  
Steven Marshall

Applications are being accepted for the 2024 Milo Hellman Research Award, the Harry Sicher Research Award and the Thomas M. Graber Awards of Special Merit. Applications for these awards can be found on the 2024 Annual Session website - <https://www2.aoinfo.org/library/hellman-sicher-graber-research-awards/> Only the online application will be accepted. The deadline is 6:00pm EDT on October 2, 2023.

COSA will be accepting online applications to present Oral Research, Table Clinics and E-Posters at the 2024 AAO Annual Session starting the first week of August 2023. The application deadline is 6:00pm EDT on October 16, 2023.

COSA will be accepting online applications for the William R. Proffit Resident Scholar Award presentations at the 2024 AAO Annual Session starting the first week of December 2023. The first forty residents who apply for the program will be accepted. The application deadline is 6:00pm EST on February 1, 2024.

The 2023-2024 members of COSA are:

Dr. Jose Bosio, chair (MASO) Dr. Thikriat Al-Jewair (NESO) Dr. Burcu Bayirli (PCSO)  
Dr. Michael Duryea (RMSO) Dr. Helder Jacob (SWSO) Dr. Eser Tufekci (SAO)  
Dr. Sumit Yadav (MSO)  
Dr. Marilia Yatabe Ioshida (GLAO) Dr. Jeffrey Nickel, Member at large Dr. Kelton Stewart, Member at large Dr. Rolf Behrents (Trustee Liaison)

COSA's next meeting is January 5, 2024 via Zoom.

Respectfully submitted,  
Juan Martin Palomo DDS MSD  
GLAO Representative to the AAO Council on Scientific Affairs

The Great Lakes Association of Orthodontists  
400 W. Wilson Bridge Road, Suite 120  
Worthington, Ohio 43085  
(877) 274-6420 (ph), (614) 221-1989 (fax)  
| [glao@assnoffices.com](mailto:glao@assnoffices.com) | [www.glao.org/](http://www.glao.org/)