

August 2nd, 2021
Dr. Juan Martin Palomo

COUNCIL ON SCIENTIFIC AFFAIRS REPORT

At the January 8, 2021 COSA meeting, the Council decided they would hold their Annual Session programs virtually or in a pre-recorded format.

The 2021 Hellman, Sicher, Graber award winners pre-recorded their lectures. These lectures can be found on the [2021 Annual Session webpage](#). Three of the 2020 winners, who did not have an opportunity to present last year, also pre-recorded a lecture and their lectures are posted on the 2021 Annual Session webpage.

Several of the 2020 and 2021 Oral Research participants pre-recorded their presentations. These presentations can be found on [the 2021 Annual Session webpage](#).

The 2021 E-Poster are available for [viewing](#) until July 31, 2021.

On May 22, 2021, COSA held the judging part of the William R. Proffit Resident Scholar Award via Zoom. The 2021 William R. Proffit Resident Scholar Award winners are:



Chen



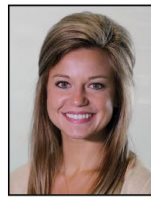
Jiang



Crawford



Abufarwa



Sheeran



Virji



Kobewka

Basic Science Research

1st place: Po-Jung Chen - University of Connecticut; Senolytics alleviate the degenerative disorders of temporomandibular joint in old age

2nd place: Wenlu Jiang - University of California - Los Angeles; Fibromodulin promotes myofibroblast clearance in high-mechanical-loading induced postoperative scars after cleft lip repair

3rd place: Derrick Crawford - University of Michigan; Injection of nitric oxide nanoparticles inhibits orthodontic tooth movement

Clinical Research

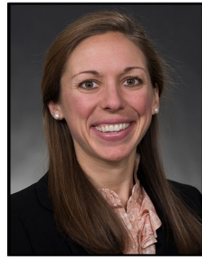
1st place: Moufida Abufarwa - University at Buffalo School of Dental Medicine; The effect of acid etching the enamel prior to CPP-ACP-fluoride varnish application

2nd place: Shelby Sheeran - University of Kentucky; The validity of a user-friendly three-dimensional voxel-based maxillary superimposition

3rd place: Insia Virji - University of Illinois – Chicago; Translucency changes of two retainer materials after staining and destaining

3rd place: Marissa Kobewka - University of Alberta; Periodontal changes associated with orthodontic expansion - Hyrax vs. Damon

On May 14, 2021, COSA determined the Joseph E. Johnson Clinical Award for Table Clinics. Table Clinic participants converted their table clinic into E-Posters. The 2021 winners are:



Keyser



Murillo



DeVeaux

Mary Morgan Bitler Keyser - University of North Carolina - Chapel Hill; Orthognathic speech pathology: impacts of anterior open bite on speech

Guiselle Murillo - UCLA School of Dentistry; Comparing changes in plaque, gingival inflammation, and the oral microbiome in orthodontic patients treated with fixed appliances vs. clear aligners

Sarah DeVeaux - Tri-Service Orthodontic Residency Program - JBSA Lackland; In vitro aging of resin microinfiltrant restoration effect on shear bond strength of orthodontic bracket adhesive

Applications are currently being accepted for the 2022 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 [2022 Annual Session website](#). Only online applications will be accepted. The application deadline is 6:00pm EDT on October 1, 2021.

COSA will be accepting online applications to present Oral Research, Table Clinics and E-Posters at the 2022 AAO Annual Session starting the first week of August 2021. The application deadline is 6:00pm EDT on October 15, 2021.

COSA will be accepting online applications for the William R. Proffit Resident Scholar Award at the 2022 AAO Annual Session starting the first week of December 2021. The first 40 residents who apply for the program are accepted. The application deadline is February 1, 2022.

The 2021-2022 members of COSA are:

Dr. Steven Marshall, chair (MSO)
Dr. Michael Duryea (RMSO)
Dr. Onur Kadioglu (SWSO)
Dr. J. Martin Palomo (GLAO)
Dr. Emile Rossouw (NESO)
Dr. Dina Stappert (MASO)
Currently vacant (PCSO)
Dr. Eser Tufekci (SAO)
Dr. Greg Huang (Member at Large)
Dr. Kelton Stewart (Member at Large)
Dr. Rolf Behrents (Trustee Liaison)

COSA's next meeting is January 7, 2021 via video conferencing.

For any questions/suggestions, email Juan Martin Palomo at palomo@case.edu