

COUNCIL ON SCIENTIFIC AFFAIRS (COSA)

The Council on Scientific Affairs (COSA) met via videoconference on January 5, 2018. COSA reviewed 24 applications for the Hellman, Sicher and Graber Awards. The winners will present their lectures during Annual Session. The following are the 2018 AAO Research Awards winners:

- Milo Hellman Research Award to Dr. **Inna Sydorak** from the University of Michigan for research titled: *Microsphere controlled drug delivery for local control of tooth movement*
- Harry Sicher Research Award to Dr. **Sudha Gudhimella** from University of Kentucky for research titled: *A rodent model using skeletal anchorage and low forces for orthodontic tooth movement*
- Thomas M. Graber Awards of Special Merit to:
 - Dr. **Mina Katchooi** from the University of Washington for research titled: *The effect of supplemental vibration on orthodontic treatment with aligners: a randomized trial*
 - Dr. **Bhavendrasinh Sayania** from the University of Pennsylvania for research titled: *Mesenchymal stem cell (MSC) spheroid constructs containing microfluidic BMP2-PLGA microcapsules in bone tissue engineering*
 - Dr. **Kristina Marie Christoph** from Texas A&M University for research titled: *Effects of transverse, bodily movements of maxillary premolars on the surrounding hard tissue*
 - Dr. **Angela Lu** from the University of Illinois-Chicago for research titled: *Orthodontic tooth movement in MicroRNA-29 sponge transgenic mice*

The 2019 Hellman, Sicher, Graber online application will be available on March 15, 2018. The deadline to apply is October 1, 2018.

COSA accepted 28 Oral Research applications, 386 E-Poster applications and 47 Table Clinic applications to be presented at the 2018 AAO Annual Session. There will be no hard copies of Posterboards displayed at Annual Session. E-Posters will be available for viewing during the Annual Session and for two months after Annual Session on the AAO website.

COSA is accepting applications for the 2018 Charley Schultz Resident Scholar Award program to be held at the 2018 AAO Annual Session. The online application can be found on the AAO website. The deadline to apply for this program is February 15, 2018.

COSA continues to review published evidence based orthodontic research. Appropriate article citations are being added to the Evidence Based Orthodontic Research Resource Center on a regular basis. The Evidence Based Orthodontic Research Resource Center is on the AAO Library webpage. Also in the resource center area of the AAO Library webpage is the CBCT Resource Center and the Bisphosphonate Resource Center.

COSA has been asked by various AAO groups to review and propose changes to several documents. In September 2017, the AAO Glossary-SNODENT Task Force asked COSA to review the AAO Glossary and to revise, delete and add definitions. In November 2017, the CODA Review Committee asked COSA to review, consult on and recommend imperative competencies for inclusion in the CODA Accreditation Standards for Advanced Specialty Education Programs in Orthodontics and Dentofacial Orthopedics. In December 2017, the AAOIC Claims Committee asked COSA to review the revised AAO Bisphosphonate Informed Consent Form.

COSA's next meeting is on Friday, May 4, 2018 prior to the start of Annual Session. During the Annual Session, COSA members will be involved with judging the Charley Schultz Resident Scholar Award presentations, judging the Table Clinics and awarding the Joseph E. Johnson Table Clinic Award and moderating the Hellman, Sicher, Graber Award lectures and the Oral Research presentations.

COSA meets every January by videoconference. The next videoconference meeting is scheduled for January 4, 2019.

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