



2023 ANNUAL MEETING

SATELLITE SYMPOSIA

Satellite Symposium is a symposium that will take place before or after the official meeting dates, March 15-18, 2023, and will be held in the Oregon Convention Center. Registration to attend the Annual Meeting is required to attend any of the satellite symposia. There is no additional ticket needed to be purchased. Space in session room may be limited and therefore participation is based on first-come, first-served basis.

TUESDAY, MARCH 14, 2023

9 a.m. – 5 p.m.

Room D136 (OCC)

7th Mini-Symposium for Young Investigators

Organizer(s): Stephanie Momeni (Oregon Health Science University, Portland); Jens Kreth (Oregon Health Science University, Portland); Grace Spatafora (Middlebury College, VT)

Sponsoring Group/Network(s): Microbiology/Immunology

Description: The purpose of this satellite symposium is to provide an informal platform for pre- and post-doctoral trainees and entry-level faculty to introduce themselves to current members of the Microbiology/Immunology (M/I) subgroup and share and exchange their ideas that are relevant to dental science research. The ultimate mission of the symposium is to bring new vitality to the M/I subgroup and to provide an opportunity for interaction among its members and early career meeting attendees based on their shared research interests in oral microbiology and immunology. The organizers envision a forum in which a diverse pool of young investigators deliver a brief oral presentation of work completed and/or in progress that will stimulate discussion from meeting participants, including senior investigators who may offer support and guidance. This forum will help enhance research career development for young investigators as well as expose senior investigators to new ideas and emerging technologies that can benefit their own research. Young investigators with research interests focused on microbiology or immunology in oral health and disease are encouraged to submit a presentation title on or before January 15, 2023. Young investigators of groups identified as underrepresented in biomedical science are especially encouraged to apply. Dr. Grace Spatafora has established this event and after seven successful years, she is passing the organization responsibilities to a committee of young investigators guided by senior members to offer leadership opportunities for young investigators who are alumni of the meeting.

TUESDAY, MARCH 14, 2023

1 p.m. – 4 p.m.

Room D139 (OCC)

A New Lens to Candida's Role in Oral Health – Do We Know What We Think We Know?

Organizer(s): Jin Xiao (University of Rochester, NY); Sumant Puri (Temple University, Philadelphia, PA)

Sponsoring Group/Network(s): Clinical and Translational Science Network, Cariology Research Group, Microbiology and Immunology, Salivary Research Group

Description: Human life depends on a diverse community of symbiotic microbiota co-evolved with their human host. The interactions between microbiota and host modulate crucial aspects of the host's normal physiology, metabolism, immunity, and neurologic function. The oral microbiome encompasses a highly diverse microbiota, consisting of over 700 microorganisms, including bacteria, fungi, and viruses. As our understanding of the relationship between the oral microbiome and oral health has evolved, we have identified a diverse array of oral diseases associated with the fungal community, including but not limited to oral mucosal disease, early childhood caries, periodontal diseases, and peri-implant diseases. For an extended period, *Candida* was the only fungus recognized as part of the normal oral microbial population, despite its opportunistic character.

Along with the advances in research to better understand *Candida*'s role in oral diseases, research gaps exist and call for more attention. For instance, there have been few reported longitudinal studies of the microbial community in early infancy, and the role of this oral 'mycobiome' and their identification in the oral cavity of children remains underexploited. Furthermore, although researchers have initiated exploration of the cross-kingdom interactions between oral bacteria and fungi, a better understanding of the underlying mechanism still deserves an extensive effort. Moreover, challenges of treating oral *Candida*-related mucosal disease and the high rate of oral candidiasis relapse calls for novel interventions for oral fungus control. Identification of novel antifungal targets will be paramount in addressing this challenge.

Therefore, the symposium series will review the up-to-date evidence in the role of oral *Candida* in oral diseases from a new lens that combines epidemiology, clinical and translational, and foundation Science.

TUESDAY, MARCH 14, 2023

2:30 p.m. – 5 p.m.

Room E145 (OCC)

Oral Epidemiology Forum (Epi Forum)

Organizer(s): Cameron Randall (University of Washington, Seattle)

Sponsoring Group/Network(s): Behavioral, Epidemiological, and Health Services Research

Description: The annual Oral Epidemiology Forum (Epi Forum) addresses topics related to epidemiology, biostatistics, and population health as applied to dental, oral, and craniofacial research. The primary aim of this satellite symposium is to highlight and encourage the implementation of modern epidemiological methods by bringing together those who are conducting such research, leading the development of relevant methods, engaged in training in the area, or involved in funding or publishing population health research. The Epi Forum will begin with a keynote address focused on contemporary issues in epidemiological research relevant to oral health. A series of short talks will follow—presented are works in progress, typically focusing on theoretical epidemiology, statistical approaches in oral epidemiology, methodological issues and/or challenges in oral epidemiology, contributions of oral epidemiology to health policy, or research ethics. Prominently featured are presentations on epidemiology and/or biostatistics from pre-doctoral and graduate students, post-doctoral scholars, and early career faculty who are conducting research in dental, oral, or craniofacial health. The Epi Forum includes significant opportunity for discussion and interaction, and reflections from all forum participants are highly encouraged.