

**JCVI/AADR Fall Focused Symposium 2019:**  
**Integrating Omic Datasets Towards Translation**  
 November 14-15, 2019  
 The J. Craig Venter Institute, La Jolla, Calif.

Hotel Accommodations: Hilton Canopy Hotel, 7955 La Jolla Shores Dr, La Jolla, CA 92037

Phone: 858.551.3600

Meeting Location: The J. Craig Venter Institute, 4120 Capricorn Lane, La Jolla, CA 92037

**AGENDA**

**THURSDAY, NOVEMBER 14**

<b>Time</b>	<b>Title</b>
12 p.m.	<b>Registration and Poster Setup</b>
1:15 p.m. - 1:45 p.m.	<p>1:15-1:25 Marcelo Freire, Associate Professor, J. Craig Venter Institute  <i>Welcoming and Opening Remarks</i></p> <p>1:25-1:30 Christopher H. Fox, CEO, IADR/AADR  <i>International and American Associations for Dental Research Welcome</i></p> <p>1:30-1:40 Maria Ryan, AADR Vice President and Chief Dental Officer, Colgate-Palmolive Company  <i>Introduction to Colgate's Translational Initiatives</i></p> <p>1:40-1:45 Sebastian Ciancio, Task Force on Design and Analysis on Oral Health Research  <i>TFDA Welcome</i></p>
1:45 p.m. - 4 p.m.	<p><b><u>Session I - Advances in Microbiome Omics</u></b></p> <p><b><i>Goal: To discuss novel methods to capture the complexity of the human oral microbiome dynamics.</i></b></p> <p>Keynote speakers:</p> <p>1:45-2:35 Karen Nelson, President, J. Craig Venter Institute  <i>Oral Microbiome and Human Health and Disease</i></p> <p style="text-align: center;">15 MINS Q&amp;A</p> <p>2:50-3:40 Peer Bork, Professor, European Molecular Biology Laboratory, Heidelberg, Germany  <i>The Oral-Gut Microbiome Axis and its Clinical Relevance</i></p> <p style="text-align: center;">15 MINS Q&amp;A</p>
4 p.m. - 5:45 p.m.	<b>Poster Presentations and Networking Reception</b>
6:30 p.m. - 9 p.m.	<b>Speakers' Dinner</b> ( <i>invitation only</i> ) – <b>Cusp</b> , 11 <sup>th</sup> Floor, Hilton Canopy Hotel La Jolla

**FRIDAY, NOVEMBER 15**

<b>Time</b>	<b>Title</b>
8:30 a.m. - 10 a.m.	<p><b><u>Session II - Predictive Value of Metatranscriptomics</u></b> <b><i>Goal: To evaluate the role of microbial transcriptomics in shaping human phenotypes.</i></b></p> <p>8:30-9 Anna Edlund, J. Craig Venter Institute <i>The Multiomics Promise of the Oral Microbiome</i></p> <p>15 MINS Q&amp;A</p> <p>9:15-9:45 Scott T. Kelly, San Diego State University. Calif. <i>Clinical Relevance of Multiomics in Periodontal Treatments</i></p> <p>15 MINS Q&amp;A</p>
	<b>15 MINS BREAK</b>
10:15 a.m. - 11:50 a.m.	<p><b><u>Session III-Functional Characterization by Metabolomics</u></b> <b><i>Goal: Making Connections, of Precision Medicine, Microbiome and Metabolomics</i></b></p> <p>10:15-10:45 Erica Forsberg, San Diego State University, Calif. <i>Integration of Metagenomics Models and Metabolomics Using Uncharacterized Microbes</i></p> <p>15 MINS Q&amp;A</p> <p>11-11:35 Peter Dorrestein, Professor, University of California, San Diego <i>Metabolomics Methods in Saliva of Caries Patients</i></p> <p>15 MINS Q&amp;A</p>
11:50 a.m. - 12:50 p.m.	<p><b>Interactive Lunch Workshop</b> Presenter: Deborah Dawson, University of Iowa</p> <p><b><i>Goal: Fostering Junior and Senior Scientists' Interactivity and Multidisciplinary Exchanges</i></b></p>
1 p.m. - 2:30 p.m.	<p><b><u>Session IV- Genomics and Metagenomes</u></b> <b><i>Goal: Revealing the Role of Host and Microbial Genomics in Diagnostics</i></b></p> <p>1-1:30 Dmitry Shungin, Research Career Development Fellow, Broad Institute of Harvard and MIT <i>Contextualization of GWAS in Dental and Craniofacial Disorders</i> 15 MINS Q&amp;A</p> <p>1:45-2:15 Sean Gibbons, Distinguished Investigator, Assistant Professor, Washington Research Foundation, Seattle <i>Integration of Metabolic Models With Amplicon and Full Genomes</i></p> <p>15 MINS Q&amp;A</p>

2:30 p.m. - 2:45 p.m.	15 MINS BREAK
2:45 p.m. - 4 p.m.	<p><b>Session V- Novel Host-Microbiome Biomarkers</b></p> <p><b>Goal: Identification of Novel Host-microbial Markers in Health and Disease</b></p> <p>2:45-3:15 Jorge Frias-Lopez, University of Florida, Gainesville <i>Host-Microbial Heterogeneity in Periodontal Diseases and Oral Cancer</i></p> <p>15 MINS Q&amp;A</p> <p>3:30-4 Marcelo Freire, Associate Professor, J. Craig Venter Institute <i>Harnessing Biomarkers from Host-Microbiome Interactions</i></p> <p>15 MINS Q&amp;A</p>
4:15 p.m. - 5 p.m.	<p><b>Final Remarks and Next Steps</b></p> <p><b>Goal: Exploring NIDCR Goals and Future Initiatives</b></p> <p>4:15-5 Lillian Shum, Director, Division of Extramural Research, National Institute of Dental and Craniofacial Research, Bethesda, Md.</p>
5 p.m.	<b>Sunset View and Departures</b>

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