The 16th Biennial Congress of the Anaerobe Society of the Americas
July 28-31, 2022 – Hyatt Regency, Seattle, WA USA

PRELIMINARY INVITED PROGRAM
Additional Speakers will be selected from submitted abstracts
Congress Information Available: www.anaerobe.org

**THURSDAY, JULY 28, 2022**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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| 0900-1700 | Preconference Workshops  
Anaerobic Identification & Susceptibility  
Diane M. Citron, Independent Consultant  
Mike Cox, Anaerobe Systems  
Examining Anaerobes in the Microbiome: Metagenomic & Culture Approaches  
Laura M. Cox, PhD, Harvard University  
Casey M. Theriot, PhD, North Carolina State University  
Anna M. Seekatz, PhD, Clemson University |
| 1800 | ASA Welcoming Mixer |

**FRIDAY, JULY 29, 2022**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>0700</td>
<td>Registration, Breakfast, Exhibits</td>
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<tr>
<td>0820</td>
<td>Welcome: David Fredricks, PhD</td>
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| 0830 | I: Keynote:  
Gut Microbial Metabolism and Cardiovascular Disease  
Stanley L. Hazen, M.D., PhD  
Cleveland Clinic, Cleveland, OH |
| 0930 | Break, Exhibits |
| 1145 | Lunch, Exhibits |
| 1230 | Poster Session I |
| 1015 | Spingholipids as Modulators of Microbiome Function  
Elizabeth L. Johnson, PhD  
Cornell University, Ithaca, NY |
| 0945 | The Microbiome and Cancer Immunotherapy  
Fyza Shaikh, M.D., PhD  
John Hopkins University, Baltimore, MD |

**Conferences Information Available:**
www.anaerobe.org
### III: Fusobacteria
Moderator: Yiping Han, PhD

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<th>Time</th>
<th>Title</th>
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<th>Institution</th>
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<tbody>
<tr>
<td>1330</td>
<td><em>Fusobacterium nucleatum</em> in Colorectal Cancer</td>
<td>Yiping W. Han, PhD</td>
<td>Columbia University, New York, NY</td>
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<tr>
<td>1345</td>
<td>Experimental Approaches to Identify Virulence Determinants in <em>Fusobacterium nucleatum</em></td>
<td>Hung Ton-That, PhD</td>
<td>University of California, Los Angeles, CA</td>
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### IV: Methodology & Epidemiology

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<tbody>
<tr>
<td>1330</td>
<td>Oral Abstracts (Selected from Submissions)</td>
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### V: Bugs as Drugs: Engineered Microbial Communities and Fecal Microbiota Transplantation
Moderator: Vince Young, MD

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<tbody>
<tr>
<td>1530</td>
<td>Current State of Knowledge: FMT for Fecal MDRO Colonization</td>
<td>Jennie H. Kwon, DO, MSCI</td>
<td>Washington University, St. Louis, MO</td>
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<td></td>
<td>Additional Oral Presentations (Selected from Oral Abstract Submissions)</td>
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### VI: The Oral Microbiome and Human Health
Moderator: Jeff McLean, PhD

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<tbody>
<tr>
<td>1530</td>
<td>Microbiome Modulation</td>
<td>Wenyuan Shi, PhD</td>
<td>The Forsyth Institute, Boston, MA</td>
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<tr>
<td>1600</td>
<td>Environmental Stress Perception Activates Structural Remodeling of <em>Streptococcus mutans</em></td>
<td>Justin L. Merritt, PhD</td>
<td>Oregon Health &amp; Science University, Portland, OR</td>
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<tr>
<td>1630</td>
<td>Keystone Oral Pathogen Immune Evasion</td>
<td>Richard Darveau, PhD</td>
<td>University of Washington, Seattle, WA</td>
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<td>Additional Oral Presentations (Selected from Oral Abstract Submissions)</td>
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### VII: Functional Roles of Anaerobes in the GI Tract
Moderator: Casey M. Theriot, PhD

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<tr>
<td>0800</td>
<td>Glycan Scavenging by Human Gut Microbiota</td>
<td>Nicole Koropatkin, PhD</td>
<td>University of Michigan, Ann Arbor, MI</td>
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<td>0830</td>
<td>Discovery of Novel Conjugated Bile Acids Made by the Gut Microbiota</td>
<td>Emily C. Gentry, PhD</td>
<td>University of California, San Diego, CA</td>
</tr>
<tr>
<td>0900</td>
<td>Characterization of Rare Lachnospiraceae</td>
<td>Anna Seekatz, Ph.D.</td>
<td>Clemson University, Clemson, SC</td>
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### VIII: Clostridioides difficile: Management Update
Moderator: Dale N. Gerding, MD

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<tr>
<td>1000</td>
<td>Diagnosis of <em>Clostridioides difficile</em> infection: NAAT vs. Other Algorithms, Ultrasensitive Toxin Testing</td>
<td>Karen Carroll, MD</td>
<td>John Hopkins University, Baltimore, MD</td>
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<td>1030</td>
<td>Treatment and Prevention: IDSA/SHEA Guideline Update</td>
<td>Stuart Johnson, MD</td>
<td>Hines VA Medical Center, Hines, IL</td>
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### IX: Breakout Lunch Session

**Meet the Editors: Tips on Publishing in Peer-Reviewed Journals**

**Moderator:** Caroline A. Genco, PhD

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<tr>
<td>1200–1345</td>
<td>IX: Breakout Lunch Session</td>
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#### X: Basic Science of *C. difficile* Infection

**Moderator:** David Aronoff, MD

- **1415**  
  **Phenotypic Heterogeneity in *C. difficile***  
  Rita Tamayo, PhD  
  University of North Carolina, Chapel Hill, NC

- **1445**  
  **Immune-Microbiota Interactions in Defense Against *C. difficile***  
  Michael C. Abt, PhD  
  University of Pennsylvania, Philadelphia, PA

- **1515**  
  **Germination by *C. difficile* Spores***  
  Joseph Sorg, PhD  
  Texas A&M University, College Station, TX

#### XI: Optimizing Anaerobic Cultivation

**Moderator:** Sujatha Srinivasan, PhD

- **1415**  
  **Revealing the Hidden Lifestyle of Ultra-Small Bacteria: TM7***  
  Batbileg Bor, PhD  
  The Forsyth Institute, Boston, MA

- **1445**  
  **Human Microbiota Diversity through Culture Enriched Metagenomics***  
  Michael G. Surette, PhD  
  McMaster University, Hamilton, ON Canada

- **1515**  
  **Anaerobic Cultivation and Strain-Banking from the Human Gastrointestinal Tract***  
  Trevor Lawley, PhD  
  Wellcome Sanger Institute, United Kingdom

Additional Oral Presentations

(Selected from Oral Abstract Submissions)

### 1615 Break, Exhibits

#### XII: Genetic Manipulation of Anaerobes: Strategies and Successes

**Moderator:** Sarah Kuehne, PhD

- **1630**  
  **In Pursuit of a *Fusobacterium* ‘Pan-genetic’ System***  
  Daniel Slade, PhD  
  Virginia Tech, Blacksburg, VA

- **1700**  
  **Genetic Engineering of Oral Anaerobes***  
  Christopher Johnston, PhD  
  Fred Hutchinson Cancer Research Center, Seattle, WA

Additional Oral Presentations

(Selected from Oral Abstract Submissions)

#### XIII: *Clostridioides difficile* Hot Topics

**Moderator:** Daniel Paredes-Sabja, PhD

- **1900**  
  **Reception, Banquet & Congress Awards at Olympic Sculpture Park overlooking Puget Sound***

### SUNDAY, JULY 31, 2022

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#### XIV: Emerging Anaerobes and Disease Associations

**Moderator:** Audrey N. Schuetz, MD

- **0800**  
  **The Veillonellaceae***  
  Ellie J.C. Goldstein, MD  
  University of California, Los Angeles, CA

- **0830**  
  **Novel Anaerobes in the Reproductive Tract***  
  Sujatha Srinivasan, PhD  
  Fred Hutchinson Cancer Research Center, Seattle, WA

Additional Oral Presentations

(Selected from Oral Abstract Submissions)

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<td>1000</td>
<td>Break, Exhibits</td>
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XV: Anaerobes in Low Biomass Environments
Moderator: David N. Fredricks, PhD
1015 Intro to the Challenge: the Placental Microbiome?
David N. Fredricks, PhD
Fred Hutchinson Cancer Research Center, Seattle, WA
1020 Fallopian Tube Microbiome Analysis: Potential Pitfalls
Bo Yu, MD
University of Washington, Seattle, WA
1035 Point-Counterpoint Debate: Anaerobes in the Lung: Cystic Fibrosis
Anaerobes as Pathogens
— Michael G. Surette, PhD
McMaster University, Hamilton, ON Canada
Anaerobes as Commensals and Transients
— Pradeep Singh, MD
University of Washington, Seattle, WA
1105 Panel Discussion
1020 The Tumor Microbiome
Susan Bullman, PhD
Fred Hutchinson Cancer Research Center, Seattle, WA
Additional Oral Presentations
(Selected from Oral Abstract Submissions)

XVI: One Health: Anaerobes in Humans, Animals, and the Environment
Moderator: Francisco Uzal, DVM, PhD
1015 Clostridium perfringens Type F Food Poisoning: Mechanisms and Reservoirs
Bruce A. McClane, PhD
University of Pittsburg, Pittsburgh, PA
1045 Clostridium perfringens Type F Food Poisoning: Mechanisms and Reservoirs
Daniel R. Knight, PhD
Murdoch University, Perth Australia
Additional Oral Presentations
(Selected from Oral Abstract Submissions)

XVII: Clinical Infectious Disease: Anaerobe Infections
Moderator: Jeanne Marrazzo, MD
1400 Increased Variety of Actinomyces Infections
Eija Könönen, DDS, PhD
University of Turku, Turku, Finland
1430 Diabetic Wound Infections
Elizabeth A. Grice, PhD
University of Pennsylvania, Philadelphia, PA
Additional Oral Presentations
(Selected from Oral Abstract Submissions)

XVIII: Model Systems to Elucidate the Biology of Anaerobes
Moderator: Aimee Shen, PhD
1400 Bioreactors
Jennifer M. Auchtung, PhD
University of Nebraska, Lincoln, NE
Additional Oral Presentations
(Selected from Oral Abstract Submissions)

1600 Congress Adjourns