Win prizes while exploring the latest products and services offered by ASM Microbe 2018 exhibitors.

- Visit the booths of participating exhibitors and have them stamp their section of the passport grid.

- Fill out your contact information, and bring your completed entry card to the ASM Booth #1906 by Sunday, June 10 at 2:00 p.m. to be entered in the drawing to win a prize.

- Winners will be announced in the Exhibit and Poster Hall on Sunday, June 10 at 3:00 p.m. You do not need to be present to win.

You could win one of the following prizes:

- Registration to ASM Microbe 2019
- Apple iPad
- Amazon Echo
- Apple TV
- Gift Cards
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- **ADDRESS:** _______________________________________________________
- **CITY:** __________________________________________________________
- **STATE:** __________________________ **ZIP:** __________________________
- **COUNTRY:** _______________________________________________________
- **PHONE:** _________________________________________________________
- **EMAIL:** _________________________________________________________
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BOOTH 1621
BOOTH 1731
Learn about the latest updates in the field, expand your connections, and meet leading product and service providers in the integrated Exhibit and Poster Hall. Find the products, services and solutions that you need as you walk through more than 230 exhibitors and explore the Track Hubs on the show floor.

Be sure to stop by the ASM Booth #1906 to learn more about the valuable resources ASM offers, get more involved with the society, purchase ASM books and ASM paraphernalia, and more! Don't forget to participate in the Exhibit Hall Passport game to win various prizes.

**Exhibitor Registration Hours**
Wednesday, June 6 ...................... 8:00 a.m. – 5:00 p.m.
Thursday, June 7 ....................... 6:30 a.m. – 7:00 p.m.
Friday, June 8 .......................... 6:30 a.m. – 5:00 p.m.
Saturday, June 9 ...................... 6:30 a.m. – 5:45 p.m.
Sunday, June 10 ...................... 6:30 a.m. – 5:00 p.m.

**Exhibitor and Poster Hall Hours**
Friday, June 8 ........................... 10:30 a.m. – 5:00 p.m.
Saturday, June 9 ...................... 10:30 a.m. – 5:00 p.m.
Sunday, June 10 ...................... 10:00 a.m. – 4:00 p.m.

**Poster Presenter Hours**
Poster presenters must have their confirmation letter and meeting badge to enter the Exhibit and Poster Hall during the designated poster set-up and dismantle times. Only the poster presenter will be permitted to enter the hall to set up his or her poster. For safety and security purposes, we kindly ask that all poster presenters leave the Exhibit and Poster Hall once they have hung their poster.

**POSTER SET-UP HOURS**
Friday, June 8 .......................... 8:00 a.m. – 10:00 a.m.
Saturday, June 9 ...................... 8:00 a.m. – 10:00 a.m.
Sunday, June 10 ...................... 8:00 a.m. – 10:00 a.m.

**POSTER TEAR-DOWN HOURS**
Friday, June 8 .......................... 5:00 p.m. – 6:00 p.m.
Saturday, June 9 ...................... 5:00 p.m. – 6:00 p.m.
Sunday, June 10 ...................... 4:00 p.m. – 4:30 p.m.

**Poster Hours**

**POSTER VIEWING HOURS**
Friday, June 8 ......................... 10:45 a.m. – 1:30 p.m.
Saturday, June 9 ...................... 10:45 a.m. – 1:30 p.m.
Sunday, June 10 ...................... 12:30 p.m. – 3:00 p.m.

**POSTER PRESENTATION HOURS**
Friday, June 8 ......................... 11:00 a.m. – 1:00 p.m.
Saturday, June 9 ...................... 11:00 a.m. – 1:00 p.m.
Sunday, June 10 ...................... 12:45 p.m. – 2:45 p.m.

**Industry & Science Events**
Hosted by ASM Microbe 2018 exhibitors, these educational events are intended to complement the official ASM program and enrich the attendee experience.

- **Industry & Science Workshops**
  Industry & Science Workshops will be held at the Georgia World Congress Center on the morning of Thursday, June 7. No registration fee is required to attend these workshops, but space is limited to the first 100 attendees.

- **Industry & Science Morning/Evening Events**
  Industry & Science Morning/Evening Events will be held each morning and evening throughout the meeting. These events may cover one or several topics, and may offer continuing education credits.

- **Industry & Science Showcases**
  Industry & Science Showcases will be held in an enclosed modular theater on the Exhibit and Poster Hall floor during Exhibit Hall hours. Each Showcase is limited to 45 minutes and will feature product demonstrations and/or education about a company’s products and/or services.

See page 38 for complete details on the Industry & Science Activities taking place this year.
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Associate Professor, Pathology and Immunology
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CLINICAL PERFORMANCE OF BIOFIRE PNEUMONIA PANEL

June 7 | 11:00am–11:45am | Congress Center | Room B313

C. DIFFICILE INFECTION AND MULTIPEX TESTING

June 7 | 3:00pm–3:45pm | Congress Center | Room B313

*BioFire® FilmArray® Pneumonia Panel is currently Investigational Use Only.

†This event is neither sponsored nor endorsed by the American Society for Microbiology.
Schedule-at-a-Glance

8:00 a.m. – 4:00 p.m. .............................ASM Courses and Workshops (Full-Day)
12:30 p.m. – 4:00 p.m. ............................ASM Course and Workshops (Half-Day)
10:00 a.m. – 3:45 p.m. ...........................Industry & Science Workshops
5:00 p.m. – 6:45 p.m. .............................Opening Session
6:45 p.m. – 8:00 p.m. .............................Opening Reception

7:30 a.m. – 8:30 a.m. .............................Meet the Experts
8:45 a.m. – 10:45 a.m. ............................Plenary Sessions
10:30 a.m. – 5:00 p.m. ............................Exhibit and Poster Hall Hours
10:45 a.m. – 1:30 p.m. ...........................Dedicated Exhibit Hours | Poster Viewing | Career Talks
11:00 a.m. – 1:15 p.m. ...........................Poster Presentations | Poster Talks
11:00 a.m. – 1:45 p.m. ............................Industry & Science Showcases
1:30 p.m. – 4:00 p.m. ............................Symposia | Track Hub Sessions | Rapid Fire | POM Sessions
4:00 p.m. – 5:00 p.m. ............................Happy Hour | Rapid Fire | POM Sessions
After 6:00 p.m. .................................Industry & Science Evening Events

7:00 a.m. – 8:30 a.m. ............................Industry & Science Morning Events
7:30 a.m. – 8:30 a.m. .............................Meet the Experts
8:45 a.m. – 10:45 a.m. ............................Plenary Sessions
10:30 a.m. – 5:00 p.m. ............................Exhibit and Poster Hall Hours
10:45 a.m. – 1:30 p.m. ...........................Dedicated Exhibit Hours | Poster Viewing | Career Talks
11:00 a.m. – 1:15 p.m. ...........................Poster Presentations | Poster Talks
11:00 a.m. – 1:45 p.m. ............................Industry & Science Showcases
1:30 p.m. – 4:00 p.m. ............................Symposia | Track Hub Sessions | Rapid Fire | POM Sessions
4:00 p.m. – 5:00 p.m. ............................Happy Hour | Rapid Fire | POM Sessions
5:15 p.m. – 6:15 p.m. ............................Keynote Address
After 6:45 p.m. ................................Industry & Science Evening Events

7:30 a.m. – 8:30 a.m. .............................Meet the Experts
8:45 a.m. – 10:45 a.m. ............................Plenary Sessions
10:00 a.m. – 4:00 p.m. ............................Exhibit and Poster Hall Hours
11:00 a.m. – 12:30 p.m. ..........................Future of ASM and President’s Forum
12:30 p.m. – 3:00 p.m. ...........................Dedicated Exhibit Hours | Poster Viewing | Career Talks
12:45 p.m. – 2:30 p.m. ............................Industry & Science Showcases
12:45 p.m. – 2:45 p.m. ............................Poster Presentations | Poster Talks
3:00 p.m. – 5:30 p.m. ............................Symposia | Track Hub Sessions | Rapid Fire | POM Sessions

7:30 a.m. – 8:30 a.m. .............................Meet the Experts
8:45 a.m. – 10:45 a.m. ............................Plenary Sessions
11:00 a.m. – 1:30 p.m. ..........................Symposia | POM Sessions
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Programming and posters for ASM Microbe 2018 are organized under eight Tracks, with multiple Sub-tracks to help you find your science and navigate the meeting with ease.

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<td>HMB01 Animal Infections</td>
<td>MBP01 Assembly and Structure of Complexes</td>
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<td>POM02 Career and Professional Development</td>
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<td>HMB03 Host Response to Microbes</td>
<td>MBP03 Enzyme Mechanisms</td>
<td>MEE03 Climate Change and Microbes</td>
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<td>HMB04 Cellular/Molecular Host-Microbe Interactions</td>
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<td>MEE04 Comparative and Evolutionary Genomics</td>
<td>POM04 History of Microbiology</td>
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<td>HMB05 Invasion and Survival in Host Cells</td>
<td>MBP05 Gene Regulatory Mechanisms</td>
<td>MEE05 Ecology and Evolution of Viruses and Phage</td>
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<tr>
<td>HMB06 Manipulations of Host Functions by Microbes</td>
<td>MBP06 Genome Dynamics and Horizontal Gene Transfer</td>
<td>MEE06 Ecological and Evolutionary Modeling and Theory</td>
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<td>HMB07 Microbe-Plant Interactions</td>
<td>MBP07 Growth and Development of Microbial Cells</td>
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<td>HMB08 Microbial Symbioses with Invertebrate Hosts</td>
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<td>HMB09 Microbiome-Host Interactions</td>
<td>MBP09 Molecular Biology and Physiology of Biofilms</td>
<td>MEE09 Polymicrobial Interactions of Ecological or Evolutionary Significance</td>
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<td>HMB10 Phage-Host Interactions</td>
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<td>HMB11 Polymicrobial Pathogenicity and Symbiosis</td>
<td>MBP11 New Genetic and Genomic Tools</td>
<td>MEE11 Unusual Microbes and Extreme Environments</td>
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<tr>
<td>HMB12 Sepsis and Inflammation</td>
<td>MBP12 Phage Biology and Genomics</td>
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<td>HMB13 Surface Structures of Pathogenic Microbes</td>
<td>MBP13 Protein Secretion and Surface Localization</td>
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<td>HMB14 Toxins and Secreted Factors</td>
<td>MBP14 Replication/Repair/Recombination</td>
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<td>HMB15 Virulence Regulatory Mechanisms</td>
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<td>HMB16 Virus-Host Interactions</td>
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<td>HMB17 Microbial Metabolism and Host Association</td>
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<td>HMB18 Anti-pathogen Strategies</td>
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Track and Sub-track legend can be found throughout the Final Program.
Posters Session

More than 3,300 posters are featured on this year’s show floor. Meet poster presenters during dedicated Poster Presentation times and participate in Poster Talks and Rapid Fire presentations in the Track Hubs.

Note: Rapid Fire presentations are also held in Lounge and Learn locations. See the Final Program for details.

**Poster Talks**

Poster Talk presentations, selected by the ASM Microbe 2018 Program Committee, are designed to give poster presenters an opportunity to informally discuss their research with meeting attendees at the Track Hub in their scientific niche. For Poster Talk schedules, see the Track Hub session listings, starting on page 24 of the Exhibit and Poster Hall Guide.

**Rapid Fire**

Rapid Fire presentations will be located in corresponding Track Hubs, as well as in Lounge and Learn areas. Each presenter will have up to five minutes to present a three-slide PowerPoint on their research and take questions from the audience. The entire session lasts up to 50 minutes, with up to a total of 10 speakers presenting five-minute presentations. For the Rapid Fire presentations happening in Track Hubs, see the listing of sessions starting on page 24. For Rapid Fire presentations happening in Lounge and Learn areas, refer to the Final Program.

**ePosters™**

Take a closer look at the ASM Microbe 2018 ePosters online collection! Included posters contain all of information you saw at the meeting. You can view ePosters located inside the Exhibit Hall in each of the Track Hubs. They are accessible for one year following the meeting. Log into www.asm.org/microbeeposters2018 using your meeting registration ID to view the online collection.
030 FRIDAY – HMB Late Breakers

031 HMB03 – Host Response to Microbes: Cells Fighting Infection

032 HMB04 – Cellular/Molecular Host-Microbe Interactions: Resisting Host Functions

033 HMB05 – Invasion and Survival in Host Cells: Making Their Home Their Own

034 HMB06 – Manipulations of Host Functions by Microbes: Bacterial Superpowers

035 HMB08 – Microbial Symbioses with Invertebrate Hosts: Invertebrates as Natural Hosts and Model Systems

036 HMB09 – Microbiome-Host Interactions: When the Microbiome Goes Wrong

037 HMB12 – Sepsis and Inflammation: Inflammatory Connections

038 HMB15 – Virulence Regulatory Mechanisms: ‘Omics and Physiological Regulation

039 HMB17 – Microbial Metabolism and Host Association: Dining *in situ*

040 FRIDAY – CPHM Late Breakers

041 CPHM02 – Antimicrobial Susceptibility Testing: ESBL and Carbapenemase Testing

042 CPHM02 – Antimicrobial Susceptibility Testing: Gram-negative Bacteria

043 CPHM03 – Diagnostic Bacteriology: Let’s Get Clinical

044 CPHM04 – Diagnostic Immunology: Using Host Factors to Diagnose Infection

045 CPHM07 – Diagnostic Parasitology: Diverse Approaches

046 CPHM08 – Diagnostic Public Health Microbiology: Surveillance and Bioterrorism

047 CPHM11 – Laboratory Safety, Security and Biodefense

Explore the Exhibit Hall for a chance to win prizes!

The Exhibit and Poster Hall Passport offers you the opportunity to win prizes while exploring the latest products and services presented by ASM Microbe 2018 exhibitors. See the beginning of this Guide for Passport and instructions.

Don’t miss the opportunity to win one of the following prizes:

- Registration to ASM Microbe 2019
- Apple iPad
- Amazon Echo
- Apple TV
- Gift Cards
055
AAR03 – Antifungal Agents and Resistance: Epidemiology and Surveillance

056
AAR04 – Antimicrobial PK/PD and General Pharmacology: in vitro Models

057
AAR05 – Antimicrobial Stewardship, including Quality of Care: Impact of Diagnostics on Antimicrobial Stewardship

058
AAR06 – Antiviral Agents (including HIV Drugs) and Resistance: Antiviral Resistance

059
AAR06 – Antiviral Agents (including HIV Drugs) and Resistance: New Antiviral Agents

060
AAR07 – Experimental Therapeutics: Biofilm Therapeutics

061
AAR07 – Experimental Therapeutics: New Targets, Scaffolds, Combinations and Delivery Systems

062
AAR08 – New Antimicrobial Agents and New Research Technologies: New β-Lactamase Inhibitors and Inhibitor Combinations

063
AAR08 – New Antimicrobial Agents and New Research Technologies: Novel RNA and DNA Interacting Agents

064
AAR08 – New Antimicrobial Agents and New Research Technologies: Novel Virulence Inhibitors and Virulence Mechanisms

065 FRIDAY – CIV Late Breakers

066
CIV01 – Clinical Studies of Adult Infectious Diseases: Gram-negative Infections

067
CIV01 – Clinical Studies of Adult Infectious Diseases: Skin, Bone and Joint Infections

068
CIV01 – Clinical Studies of Adult Infectious Diseases: Urogenital Tract Infections

069
CIV02 – Infection Prevention and Control: Clostridium difficile

070
CIV03 – Global Health: Epidemiology and Diagnostics

071
CIV04 – Transplant Infectious Diseases

072
CIV06 – Vaccines and Immunization Science: Rotavirus Epidemiology and Vaccines

073 FRIDAY – POM Late Breakers

074
POM01 – Microbiology Education, Communication and Outreach I

075 FRIDAY – AES Late Breakers

076
AES03 – Antimicrobial Resistance in the Environment: Revealing the Resistome

077
AES04 – Biofilms in Applied and Environmental Science: Biofilm - Slime that Helps or Hurt

078
AES07 – Electromicrobiology

079
AES09 – Freshwater, Wastewater, Drinking Water and Marine Microbiology: Microbiology of Engineered Systems

080

081
AES14 – Detection, Characterization and Source-Tracking of Environmental Microbes: Methods for Identifying and Characterizing Environmental Microbes

082
AES14 – Detection, Characterization and Source-Tracking of Environmental Microbes: Microbes in Soils and Water, including Markers of Fecal Contamination

083
AES14 – Detection, Characterization and Source-Tracking of Environmental Microbes: Structure/Function and Impact of in situ Conditions on Community Structure

084
AES17 – Foodborne Pathogens: Detection, Surveillance and Tracking
### MEE

**Microbial Ecology and Evolution**

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<td>MEE07 – ‘Omens to Study Ecosystem Function</td>
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<td>091</td>
<td>MEE08 – Patterns, Mechanisms and Experimental Approaches in Molecular Evolution</td>
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### MBP

**Molecular Biology and Physiology**

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<td>MBP12 – Phage Biology and Genomics</td>
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<td>MBP15 – Stress and Stimulus Response Mechanisms</td>
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<td>098</td>
<td>MBP17 – Virus Assembly and Replication Mechanisms</td>
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### HMB

**Host-Microbe Biology**

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<td>HMB01 – Animal Infections: Natural and Experimental Infections in Animals</td>
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<td>211</td>
<td>HMB02 – Genetic and Physiological Adaptation to the Host: Microbial Fitness Traits</td>
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<td>HMB03 – Host Response to Microbes: Immune Regulation</td>
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<td>HMB04 – Cellular/Molecular Host-Microbe Interactions: Subverting Host Function</td>
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<td>HMB13 – Surface Structures of Pathogenic Microbes: Attachment, Adhesion and Antagonism</td>
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<td>HMB15 – Virulence Regulatory Mechanisms: Transcription and Post-Transcription Regulation</td>
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<td>HMB16 – Virus-Host Interactions</td>
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### CPHM

**Clinical and Public Health Microbiology**

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<tr>
<td>219</td>
<td>CPHM02 – Antimicrobial Susceptibility Testing: Gram-positive and Fastidious Bacteria</td>
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### AAR

**Antimicrobial Agents and Resistance**

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<td>CPHM03 – Diagnostic Bacteriology: Pre-Analytical Methods and Automation</td>
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<td>CPHM03 – Diagnostic Bacteriology: Stool is Cool</td>
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<td>CPHM08 – Diagnostic Public Health Microbiology: Circulating, Emerging and Reemerging Pathogens</td>
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<td>224</td>
<td>CPHM12 – Molecular Diagnostic Microbiology: Pre-analytical Considerations</td>
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<tr>
<td>225</td>
<td>CPHM12 – Molecular Diagnostic Microbiology: The Future of Diagnostics is Here</td>
</tr>
</tbody>
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### Late Breakers

- MBP05 – Gene Regulatory Mechanisms I
- MBP07 – Growth and Development of Microbial Cells
- MBP12 – Phage Biology and Genomics
- MBP15 – Stress and Stimulus Response Mechanisms
- MBP16 – Structural Biology
- MBP17 – Virus Assembly and Replication Mechanisms
- CPHM02 – Antimicrobial Susceptibility Testing: Gram-positive and Fastidious Bacteria
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<td>231</td>
<td>AAR02 – Antimicrobial Agents: Mechanisms of Action and Resistance: Mechanisms of Action and Resistance in Mycobacteria and Mycoplasmas</td>
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<td>232</td>
<td>AAR02 – Antimicrobial Agents: Mechanisms of Action and Resistance: Resistance Mechanisms in Gram-positive Bacteria</td>
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<td>AAR04 – Antimicrobial PK/PD and General Pharmacology: <em>in vivo</em> Studies</td>
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<td>234</td>
<td>AAR05 – Antimicrobial Stewardship, including Quality of Care: Global Stewardship</td>
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<td>AAR08 – New Antimicrobial Agents and New Research Technologies: Peptide and Glycopeptide Antimicrobial Agents</td>
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<td>236</td>
<td>AAR09 – Pharmacological Studies of Antimicrobial Agents Pre-NDA (Phase 2/3): New Agents between Phase 2 and FDA Approval</td>
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<td>241</td>
<td>CIV02 – Infection Prevention and Control: Hospital Acquired Infections</td>
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<td>242</td>
<td>CIV03 – Global Health: Tropical Parasites</td>
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<td>248</td>
<td>AES02 – Microbiology of Agricultural Systems: Microbiology of Plants and Phytochemicals</td>
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<td>AES06 – Bioremediation, Biodegradation, Biofouling and Biocorrosion I</td>
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<td>250</td>
<td>AES09 – Freshwater, Wastewater, Drinking Water and Marine Microbiology: Natural Freshwater and Marine Environments</td>
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<td>AES11 – Microbiology of Food, including Spoilage, Fermentation and Probiotics: Antimicrobial Activity of Foods, Food Components and Plant Endophytes</td>
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<td>252</td>
<td>AES11 – Microbiology of Food, including Spoilage, Fermentation and Probiotics: Food Fermentations</td>
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<td>253</td>
<td>AES11 – Microbiology of Food, including Spoilage, Fermentation and Probiotics: Mechanisms and Control of Food Spoilage</td>
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<td>254</td>
<td>AES11 – Microbiology of Food, including Spoilage, Fermentation and Probiotics: Prebiotics, Probiotics and Feed Supplements</td>
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<td>255</td>
<td>AES11 – Microbiology of Food, including Spoilage, Fermentation and Probiotics: Microbial Ecology and Microbiomes of Foods</td>
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<td>AES17 – Foodborne Pathogens: Genetic, Genomic and Microbiome Studies</td>
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<td>259</td>
<td>AES17 – Foodborne Pathogens: Physiology and Control</td>
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<td>MEE02 – Biogeochemical Processes and Systems Biology: Biogeochemical Processes</td>
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265 SATURDAY – MBP Late Breakers

266
MBP01 – Assembly and Structure of Complexes

267
MBP05 – Gene Regulatory Mechanisms II

268
MBP09 – Molecular Biology and Physiology of Biofilms

269
MBP10 – Motility Mechanisms

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MBP11 – New Genetic and Genomic Tools

271
MBP13 – Protein Secretion and Surface Localization

SUNDAY, JUNE 10

12:45 p.m. – 2:45 p.m.

384 SUNDAY – CPHM Late Breakers

385
CPHM03 – Antimicrobial Susceptibility Testing: Novel Methods

386
CPHM02 – Antimicrobial Susceptibility Testing: Traditional Methods

387
CPHM03 – Diagnostic Bacteriology: Emerging Methods

388
CPHM05 – Diagnostic Mycobacteriology: Detection, Species Differentiation and Drug Resistance

389
CPHM06 – Diagnostic Mycology: Identification and Clinical Relevance

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CPHM09 – Diagnostic Veterinary Microbiology: Surveillance and Epidemiology of Pathogens of Veterinary and Human Significance: Towards One Health

391
CPHM10 – Diagnostic Virology: The Global View of Virology

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403 SUNDAY – AAR Late Breakers

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AAR01 – Surveillance of AMR: Molecular Typing, Clinical and Molecular Epidemiology: Global Surveillance Studies

405
AAR01 – Surveillance of AMR: Molecular Typing, Clinical and Molecular Epidemiology: Multidrug Resistance in Foodborne and Waterborne Pathogens

406
AAR01 – Surveillance of AMR: Molecular Typing, Clinical and Molecular Epidemiology: The Worldwide Emergence of Plasmid-mediated Colistin Resistance

407
AAR02 – Antimicrobial Agents: Mechanisms of Action and Resistance: Resistance Mechanisms in Enteric Bacteria

408
AAR03 – Antifungal Agents and Resistance: Mechanisms of Resistance

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AAR04 – Antimicrobial PK/PD and General Pharmacology: Clinical Studies

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AAR08 – New Antimicrobial Agents and New Research Technologies: Bacteriophage-Related Tools and Therapy

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AAR08 – New Antimicrobial Agents and New Research Technologies: New Agents or Combinations that Inhibit Mycobacteria

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413
AAR08 – New Antimicrobial Agents and New Research Technologies: Novel Combinations and Conjugates
414
AAR08 – New Antimicrobial Agents and New Research Technologies: Novel Natural Products and Biologics

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416 SUNDAY – CIV Late Breakers
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CIV01 – Clinical Studies of Adult Infectious Diseases: Respiratory Tract Infections
418
CIV01 – Clinical Studies of Adult Infectious Diseases: Sepsis
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CIV01 – Clinical Studies of Adult Infectious Diseases: Viral and Fungal Infections
420
CIV02 – Infection Prevention and Control: Drug-Resistant Pathogens in Hospitals
421
CIV05 – Pediatric Infectious Diseases: General Pediatrics
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CIV06 – Vaccines and Immunization Science: Viruses and Pertussis

423 SUNDAY – POM Late Breakers
424
POM01 – Microbiology Education, Communication and Outreach III
425
POM04 – History of Microbiology

426 SUNDAY – AES Late Breakers
427
AES01 – Aeromicrobiology
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AES02 – Microbiology of Agricultural Systems: Microbiology of Animals and Aquaculture
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AES03 – Antimicrobial Resistance in the Environment: Antibiotic Activities and Resistance
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AES05 – Biofuels and Bioproducts: Making the Most of Microbial Manufacturers
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AES06 – Bioremediation, Biodegradation, Biofouling and Biocorrosion II
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AES08 – Fermentation and Biotransformation: Engineered Products and Processes
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AES10 – Genetic and Metabolic Functions in Environmentally Relevant Microbes: Carving Out A Niche
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AES12 – Microbiology of the Built Environment
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AES13 – New Microbial Processes for Resource Recovery, Carbon Capture and Resource Efficiency
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AES14 – Detection, Characterization and Source-Tracking of Environmental Microbes: Isolation of Microbes from the Environment

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MEE04 – Comparative and Evolutionary Genomics: Pathogens and Human-associated Microbes
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MEE09 – Polymicrobial Interactions of Ecological or Evolutionary Significance
440
MEE11 – Unusual Microbes and Extreme Environments

441 SUNDAY – MBP Late Breakers
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MBP02 – Computational Genomics, Databases and Modeling
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MBP03 – Enzyme Mechanisms
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MBP04 – Eukaryotic Cell Biology
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MBP06 – Genome Dynamics and Horizontal Gene Transfer
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MBP08 – Metabolic Networks and Microbial Physiology
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MBP14 – Replication/Repair/Recombination
The following individuals are recognized for assisting with abstract reviews for ASM Microbe 2018. We value your contributions and appreciate your continued support.

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Karen Elkins
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Nimita Fifadara
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Suzanne Fleiszig
Yuriy Fofanov
David Freier
Aurora Garcia-Fernandez
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Leah Gillis
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Rita Hollaway
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Christopher Huston
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Ran Jing
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Sue Kehl
Nicole Koropatkin
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Dylan Pillai
Vittal Ponraj
Husain Poonawala
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Kalyani Pyaram
Chao Qi
Viswanath Ragupathy
Mathumathi Rajavel
Kumaran Ramamurthi
Matthew Ramsey
Krishna Rao
Ines Rauschenbach
Stephen Raverty
Janani Ravi
Ryan Relich
Ping Ren
Jyothi Rengarajan
Glendee Reynolds
Anthony Richardson
Barbara Robinson-Dunn
Eduardo Robleto
Alessandro Rossi
Lucia Rothman-Denes
Jenna Rychert
Max Salfinger
Awanti Sambarey
Sarah Satola
Frank Scarano
Michael Schmidt
Audrey Schuetz
Michael Schurr
Timothy Secott
C. Henrique Serezani
Natalia Shubladze
Lynn Silver
Trish Simmer
Darian Smercina
Tara Smith
Steven Specter
Joshua Steele
Joy Sturtevant
Joyce Sutcliffe
Yi-Wei Tang
Vera Tesic
Karl Thompson
Richard Thomson
Robert Tibbetts
Andrew Tomaras
Jason Trubiano
Boo Shan Tseng
Jeffrey Turner
Taylor Updegrove
Raphael Validia
Koenraad Van Doorslaer
Cari Vanderpool
Anthony Vecchiarelli
Anita Verma
Amy Vollmer
Diana Vullo
Kate Wainwright
Guqing Wang
Joyce Wang
Christine Weingart
Lars Westblade
Wendy Wilson
Anita Wright
Kristine Wylie
Abubakar Yaro
Robert Zagorski
Sean Zhang
Track Hubs are centrally located on the Exhibit Hall floor surrounded by the posters from that track. A village center for you and like-minded peers, the Track Hubs host sessions, including Fireside Chats, Poster Talks, Rapid Fire presentations and more.

You will notice that the Track Hubs are divided into two sections – Learn and Connect. Each session listed will denote in which part of the Hub that session will take place.
FRIDAY, JUNE 8

025 Poster Talk: Surveillance of Antibacterial Resistance
11:00 a.m. – 12:00 p.m.
AAR, Learn

110 Poster Talk: Mechanistic Insights on Antibacterial Resistance
12:15 p.m. – 1:15 p.m.
AAR, Learn

123 Riddles and Rules of Gram-negative Permeation
1:30 p.m. – 2:15 p.m.
AAR02
AAR, Learn

157 Nomenclature of Antibiotic Resistance Genes
3:00 p.m. – 3:45 p.m.
AAR02
AAR, Learn

165 Fireside Chat with Robin Patel, ASM Microbe Co-Chair and ASM Board of Directors
4:15 p.m. – 5:00 p.m.
AAR, Connect

174 Rapid Fire: Emerging Resistance Trends — Gram-positive Bacteria
4:30 p.m. – 5:00 p.m.
AAR, Learn

SATURDAY, JUNE 9

204 Poster Talk: Genomic Studies of Antibacterial Resistance
11:00 a.m. – 12:00 p.m.
AAR, Learn

283 Poster Talk: Antimicrobial Stewardship
12:15 p.m. – 1:15 p.m.
AAR, Learn

296 New Directions in Regulatory Guidance by the FDA and EMA
1:30 p.m. – 2:15 p.m.
AAR08
AAR, Learn

336 Fireside Chat with David Hooper, Chair, Meeting Committee
4:15 p.m. – 5:00 p.m.
AAR, Connect

347 Rapid Fire: The Latest Biofilm Therapies
4:30 p.m. – 5:00 p.m.
AAR, Learn

SUNDAY, JUNE 10

379 Poster Talk: Clinical PK/PD Studies
12:45 p.m. – 1:35 p.m.
AAR, Learn

459 Poster Talk: Foodborne Sources of Multidrug Resistance Around the World
1:45 p.m. – 2:35 p.m.
AAR, Learn

472 Global Antimicrobial Resistance: Do Developing and Developed Countries Share the Same Threats?
3:00 p.m. – 3:45 p.m.
AAR01
AAR, Learn
Applied and Environmental Science (AES) Track Hub
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td><strong>FRIDAY, JUNE 8</strong></td>
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<tr>
<td>020</td>
<td>Fireside Chat with Manu Prakash, Opening Session Speaker</td>
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<tr>
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<td>11:00 a.m. – 11:45 a.m.</td>
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<tr>
<td>027</td>
<td>Poster Talk: The Beauty of Water and Microorganisms</td>
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<td>11:00 a.m. – 12:00 p.m.</td>
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<tr>
<td>105</td>
<td>Fireside Chat with James Tiedje, ASM Microbe Speaker</td>
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<td>12:15 p.m. – 1:00 p.m.</td>
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<tr>
<td>112</td>
<td>Poster Talk: Let’s Get Rid of It! Bioremediation of Toxic Compounds</td>
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<td>112</td>
<td>Standard Methods and Public Health: Review and Evaluation of Case Study Data through an Academic, Regulatory, and Public Health Perspective</td>
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<td>1:30 p.m. – 2:15 p.m.</td>
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<td>126</td>
<td>Sharing and Community Curation of Mass Spectrometry Data with GNPS</td>
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<td>169</td>
<td>Fireside Chat with Marylynn Yates, ASM Treasurer</td>
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<td>176</td>
<td>Rapid Fire: Pathogens in the Environment and How to Get Rid of Them</td>
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<td>4:30 p.m. – 5:00 p.m.</td>
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<td><strong>SATURDAY, JUNE 9</strong></td>
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<tr>
<td>199</td>
<td>Fireside Chat with Gary Toranzos and Raul Cano, Editors, Environmental Microbial Forensics</td>
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<td>11:00 a.m. – 11:45 p.m.</td>
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<td>206</td>
<td>Poster Talk: Ready to Order? Microbes in Food and Drinks</td>
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<td>11:00 a.m. – 12:00 p.m.</td>
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<td>285</td>
<td>Poster Talk: Biofilms – Loving Relationships?</td>
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<td>12:15 p.m. – 1:15 p.m.</td>
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<td>298</td>
<td>Incorporating Biofilm Standard Methods into the Research Laboratory: How Your Research May Benefit</td>
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<td>334</td>
<td>Using MicrobeJ for High throughput Bacterial Cell Detection and Quantitative Analysis</td>
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<td>342</td>
<td>Fireside Chat with Cynthia Gibas, ASM Microbe Speaker</td>
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<td>349</td>
<td>Rapid Fire: Pathogens in the Drink</td>
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<td><strong>SUNDAY, JUNE 10</strong></td>
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<tr>
<td>381</td>
<td>Poster Talk: Microbes and New Ideas – Stretching the Boundaries</td>
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<td>454</td>
<td>Fireside Chat with Sarah Glaven, ASM Microbe Speaker</td>
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<td>1:45 p.m. – 2:30 p.m.</td>
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<td>461</td>
<td>Poster Talk: Microbial Interactions in the Urban Environments</td>
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<td>1:45 p.m. – 2:35 p.m.</td>
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<td>475</td>
<td>What Do You Want to Hear from AES in 2019?</td>
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</table>
Clinical Infections and Vaccines (CIV) Track Hub
## Clinical Infections and Vaccines (CIV) Track Hub

### Friday, June 8
1. **026 Poster Talk: Managing Respiratory Tract Infections, Bacteremia and Sepsis from Gram-negative Infections**
   - Time: 11:00 a.m. – 12:00 p.m.
   - Location: CIV, Learn
2. **111 Poster Talk: Advances and Insights in the Management of Gram-positive Infections**
   - Time: 12:15 p.m. – 1:15 p.m.
   - Location: CIV, Learn
3. **124 Zika Virus: Latest Update from the CDC Pregnancy and Birth Defects Task Force**
   - Time: 1:30 p.m. – 2:15 p.m.
   - Location: CIV, Learn
4. **158 Interactive Cases in Pediatric Infectious Diseases**
   - Time: 3:00 p.m. – 3:45 p.m.
   - Location: CIV05
   - CIV, Learn
5. **166 Fireside Chat with Andreas Baumler, Editor-in-Chief, ASM Journal of Infection and Immunity**
   - Time: 4:15 p.m. – 5:00 p.m.
   - Location: CIV, Connect
6. **175 Rapid Fire: Vaccine Development**
   - Time: 4:30 p.m. – 5:00 p.m.
   - Location: CIV, Learn

### Saturday, June 9
1. **205 Resistant Gram-negative Pathogens in the Hospital**
   - Time: 11:00 a.m. – 12:00 p.m.
   - Location: CIV, Learn
2. **284 Poster Talk: *Clostridium difficile* Infection**
   - Time: 12:15 p.m. – 1:15 p.m.
   - Location: CIV, Learn
3. **297 New Therapeutics for *C. difficile* Infection: Fidaxomicin, Bezlotoxomab, and Other Phase 2 or 3 Drugs**
   - Time: 1:30 p.m. – 2:15 p.m.
   - Location: CIV01
   - CIV, Learn
4. **332 New Approaches to Management of Resistant Gram-positive Infections**
   - Time: 3:00 p.m. – 3:45 p.m.
   - Location: CIV01
   - CIV, Learn

### Sunday, June 10
1. **372 Fireside Chat with Ben Howden, ASM Microbe CIV Track Leader**
   - Time: 12:45 p.m. – 1:30 p.m.
   - Location: CIV, Connect
2. **380 Poster Talk: Studies in Pediatric Infectious Diseases**
   - Time: 12:45 p.m. – 1:35 p.m.
   - Location: CIV, Learn
3. **460 Poster Talk: HIV Infection**
   - Time: 1:45 p.m. – 2:35 p.m.
   - Location: CIV, Learn
4. **473 Antimicrobial Resistance in Resource-limited Settings**
   - Time: 3:00 p.m. – 3:45 p.m.
   - Location: CIV03
   - CIV, Learn
5. **340 Fireside Chat with Elizabeth Miller, ASM Microbe Speaker**
   - Time: 4:15 p.m. – 5:00 p.m.
   - Location: CIV, Connect
6. **348 Probiotics and Microbiome Studies in Clinical Infections**
   - Time: 4:30 p.m. – 5:00 p.m.
   - Location: CIV, Learn
Clinical and Public Health Microbiology (CPHM) Track Hub
<table>
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<tr>
<th>Time</th>
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<tr>
<td>11:00 a.m.</td>
<td>Fireside Chat with Sharon Peacock, Opening Session Speaker</td>
<td>CPHM, Connect</td>
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<td>024</td>
<td>Poster Talk: Novel Diagnostics for Urinary Tract Infections</td>
<td>CPHM, Learn</td>
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<td>101</td>
<td>Fireside Chat with Alexander McAdam, Editor-in-Chief, ASM</td>
<td>CPHM, Learn</td>
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<td>109</td>
<td>Poster Talk: <em>Candida auris</em>: The World is on the Lookout!</td>
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<td>122</td>
<td>Overview and Challenges of Arboviral Vaccinology</td>
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<td>Anaerobes in Plain Sight</td>
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<td>164</td>
<td>Fireside Chat with Davise Larone, Author, <em>Larone’s Medically Important Fungi Part 1</em></td>
<td>CPHM, Connect</td>
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<tr>
<td>173</td>
<td>Rapid Fire: What’s Up with Total Lab Automations?</td>
<td>CPHM, Learn</td>
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<tr>
<td>195</td>
<td>Fireside Chat with Ellen Jo Baron, ASM Microbe Speaker</td>
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<td>203</td>
<td>Poster Talk: Outbreak Detection in the 21st Century</td>
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<td>274</td>
<td>Fireside Chat with Carey Ann Burnham, ASM Microbe Speaker</td>
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<td>282</td>
<td>Poster Talk: The Proof is in the Pattern: Epidemiology of Microbes</td>
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<td>295</td>
<td>The Passport to Tropical Medicine</td>
<td>CPHM08</td>
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<td>Challenges and Opportunities for Laboratory Training and Workforce Development</td>
<td>CPHM01</td>
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<td>338</td>
<td>Fireside Chat with Nancy Cornish, ASM Microbe Speaker</td>
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<td>Rapid Fire: Here YEast, Here YEast!: Overcoming Challenges of Yeast Identification</td>
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<td>370</td>
<td>Fireside Chat with Davise Larone, Author, <em>Larone’s Medically Important Fungi Part 2</em></td>
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<td>Poster Talk: The Animals Among Us</td>
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<td>458</td>
<td>Poster Talk: Diagnosing the Ancient Scourge of Tuberculosis</td>
<td>CPHM, Learn</td>
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<td>330</td>
<td>Challenges and Opportunities for Laboratory Training and Workforce Development</td>
<td>CPHM03</td>
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<td>Rapid Fire: Here YEast, Here YEast!: Overcoming Challenges of Yeast Identification</td>
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<td>370</td>
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<tr>
<td>458</td>
<td>Poster Talk: Diagnosing the Ancient Scourge of Tuberculosis</td>
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**Clinical and Public Health Microbiology (CPHM) Track Hub**

*EXHIBIT AND POSTER HALL ACTIVITY GUIDE • 29*
Host-Microbe Biology (HMB) Track Hub
## FRIDAY, JUNE 8

<table>
<thead>
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<th>Location</th>
<th>Type</th>
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<tr>
<td>015</td>
<td>Fireside Chat with Pascale Cossart, Author, <em>The New Microbiology: From Microbiomes to CRISPR</em></td>
<td>11:00 a.m. – 11:45 a.m.</td>
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<td>023</td>
<td>Poster Talk: MicrobiOMG</td>
<td>11:00 a.m. – 12:00 p.m.</td>
<td>HMB, Learn</td>
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<td>108</td>
<td>Poster Talk: Molecules of Strife</td>
<td>12:15 p.m. – 1:15 p.m.</td>
<td>HMB, Learn</td>
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<td>155</td>
<td>The Collaborative Cross and Use of Novel Mouse Lines for Host-microbe Biology</td>
<td>3:00 p.m. – 3:45 p.m.</td>
<td>HMB03</td>
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<td>163</td>
<td>Fireside Chat with David Aronoff, ASM Microbe Vice Chair</td>
<td>4:15 p.m. – 5:00 p.m.</td>
<td>HMB, Connect</td>
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<td>172</td>
<td>Rapid Fire: The Hidden Microbial Cabal in Disease</td>
<td>4:30 p.m. – 5:00 p.m.</td>
<td>HMB, Learn</td>
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## SATURDAY, JUNE 9

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<tr>
<td>194</td>
<td>Fireside Chat with Virginia Miller, ASM Board of Directors</td>
<td>11:00 a.m. – 11:45 a.m.</td>
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<td>202</td>
<td>Poster Talk: The Host with the Most</td>
<td>11:00 a.m. – 12:00 p.m.</td>
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<td>281</td>
<td>Poster Talk: Set Phages to Stun!</td>
<td>12:15 p.m. – 1:15 p.m.</td>
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<td>294</td>
<td>Sell Your Department</td>
<td>1:30 p.m. – 2:15 p.m.</td>
<td>HMB, Learn</td>
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<td>329</td>
<td>Hot Papers in Host-microbe Biology</td>
<td>3:00 p.m. – 3:45 p.m.</td>
<td>HMB04</td>
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<td>337</td>
<td>Fireside Chat with Irene Newton, ASM Microbe Speaker</td>
<td>4:15 p.m. – 5:00 p.m.</td>
<td>HMB, Connect</td>
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<td>345</td>
<td>Rapid Fire: A Good Defense is the Best Offense</td>
<td>4:30 p.m. – 5:00 p.m.</td>
<td>HMB, Learn</td>
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## SUNDAY, JUNE 10

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<tr>
<td>369</td>
<td>Fireside Chat with Cassandra Quave, ASM Microbe Speaker</td>
<td>12:45 p.m. – 1:30 p.m.</td>
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<td>377</td>
<td>Poster Talk: Microbial Masters of Manipulation</td>
<td>12:45 p.m. – 1:35 p.m.</td>
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<td>449</td>
<td>Fireside Chat with Jeff Miller, President’s Forum Speaker</td>
<td>1:45 p.m. – 2:30 p.m.</td>
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<td>457</td>
<td>Poster Talk: Insider Guide to the Host Galaxy</td>
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<td>Microbes as Nanoplatforms</td>
<td>3:00 p.m. – 3:45 p.m.</td>
<td>HMB, Learn</td>
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Microbial Ecology and Evolution (MEE) Track Hub
FRIDAY, JUNE 8

028 Poster Talk: Managing Stress: Microbial Community Response to Environmental
11:00 a.m. – 12:00 p.m.
MEE, Learn

113 Poster Talk: New Bioinformatic Tools and Discoveries
12:15 p.m. – 1:15 p.m.
MEE, Learn

127 Unearthing Microbial Dark Matter
1:30 p.m. – 2:15 p.m.
MEE07
MEE, Learn

161 Geohealth: A Bridge across Disciplines to Solve Global Challenges
3:00 p.m. – 3:45 p.m.
MEE03
MEE, Learn

171 Fireside Chat with David Relman, ASM Microbe Co-Chair
4:15 p.m. – 5:00 p.m.
MEE, Connect

177 Rapid Fire: Some Like it Salty: Marine Bacteria in Coastal and Deep-sea Environments
4:30 p.m. – 5:00 p.m.
MEE, Learn

SATURDAY, JUNE 9

200 Fireside Chat with Pat Schloss, Chair, ASM Journals Committee
11:00 a.m. – 11:45 a.m.
MEE, Connect

207 Poster Talk: Evolutionary Histories of Microbial Genomes
11:00 a.m. – 12:00 p.m.
MEE, Learn

286 Poster Talk: Antibiotics and the Evolution of Resistance
12:15 p.m. – 1:15 p.m.
MEE, Learn

300 Consequences of Complexity: Genome Stream-lining and Structure
1:30 p.m. – 2:15 p.m.
MEE04
MEE, Learn

335 Tiny Drivers of Evolution Part 2: Phages and Their Hosts
3:00 p.m. – 3:45 p.m.
MEE05
MEE, Learn

343 Fireside Chat with Stanley Maloy, ASM Board of Directors
4:15 p.m. – 5:00 p.m.
MEE, Connect

350 Rapid Fire: Climate Change and Microbes
4:30 p.m. – 5:00 p.m.
MEE, Learn

SUNDAY, JUNE 10

382 Poster Talk: The Secret Life of Microbes: Monitoring Microbial Activities in Diverse Environments
12:45 p.m. – 1:35 p.m.
MEE, Learn

455 Fireside Chat with Rebecca Vega-Thurber, ASM Microbe Speaker
1:45 p.m. – 2:30 p.m.
MEE, Connect

462 Poster Talk: Why Can’t We All Just Get Along?: Characterizing Microbial Interactions in Diverse Environments
1:45 p.m. – 2:35 p.m.
MEE, Learn

476 Bacterial Frenemies of the Small-colony Variants
3:00 p.m. – 3:45 p.m.
MEE08
MEE, Learn
Molecular Biology and Physiology (MBP) Track Hub
## FRIDAY, JUNE 8

- **022 Fireside Chat with Peggy Cotter, ASM President**
  11:00 a.m. – 11:45 a.m.
  MBP, Connect

- **029 Poster Talk: Bioinformatics and Computational Genomics**
  11:00 a.m. – 12:00 p.m.
  MBP, Learn

- **114 Poster Talk - MBP**
  12:15 p.m. – 1:15 p.m.
  MBP, Learn

- **128 Pre-Prints in Microbiology: Perspectives from ASM Journals**
  1:30 p.m. – 2:15 p.m.
  MBP, Learn

- **162 Where Do I Start? Practical Considerations for Cryoelectron Microscopy and Single Molecule Imaging**
  3:00 p.m. – 3:45 p.m.
  MBP07

- **170 Fireside Chat with Amy Vollmer, ASM Board of Directors**
  4:15 p.m. – 5:00 p.m.
  MBP, Connect

- **178 Rapid Fire: Bacterial Biofilms**
  4:30 p.m. – 5:00 p.m.
  MBP, Learn

## SATURDAY, JUNE 9

- **201 Fireside Chat with Jie Xiao, ASM Microbe Speaker**
  11:00 a.m. – 11:45 a.m.
  MBP, Connect

- **208 Poster Talk: Bacterial Cell Division Growth**
  11:00 a.m. – 12:00 p.m.
  MBP, Learn

- **287 Poster Talk: The Structure of Cellular Complexes**
  12:15 p.m. – 1:15 p.m.
  MBP, Learn

- **301 Finding and Starting an Academic Job: A Chat with New Assistant Professors**
  1:30 p.m. – 2:15 p.m.
  MBP07

- **336 What’s in a Name? “Organelles” and the “Cytoskeleton” in Bacteria**
  3:00 p.m. – 3:45 p.m.
  MBP07

- **344 Fireside Chat with Timothy Donohue, ASM Secretary**
  4:15 p.m. – 5:00 p.m.
  MBP, Connect

- **351 Rapid Fire: Microbial Gene Regulation**
  4:30 p.m. – 5:00 p.m.
  MBP, Learn

## SUNDAY, JUNE 10

- **383 Poster Talk: Biofilm Formation**
  12:45 p.m. – 1:35 p.m.
  MBP, Learn

- **456 Fireside Chat with Rachel Mackelprang, ASM Microbe Speaker**
  1:45 p.m. – 2:30 p.m.
  MBP, Connect

- **463 Poster Talk: Regulation of Gene Expression**
  1:45 p.m. – 2:35 p.m.
  MBP, Learn

- **477 NCBI’s Prokaryotic RefSeq Database: Reannotation with the Latest Evidence**
  3:00 p.m. – 3:45 p.m.
  MBP02
Profession of Microbiology (POM) Track Hub
FRIDAY, JUNE 8

014 Career Talk: Amir E. Zeituni, Scientific Review Officer NIAID Peer Review of the US Biomedical Research Enterprise
11:00 a.m. – 11:30 a.m.
POM02
POM, Learn

019 Fireside Chat with Lorraine A. Findlay, Author, and Hazel Barton, Co-Editor, Women in Microbiology
11:00 a.m. – 11:45 a.m.
POM, Connect

Manuscript Review (Invitation Only)
11:00 a.m. - 12:00 p.m.
POM, Connect

099 Career Talk: Marie Pezzlo, Clinical Microbiology Consultant
11:45 a.m. – 12:15 p.m.
POM02
POM, Learn

Manuscript Review (Invitation Only)
12:15 p.m. - 1:15 p.m.
POM, Connect

115 Career Talk: Samiksha Prasad, Assistant Professor, Nova Southeastern University
12:30 p.m. – 1:00 p.m.
POM02
POM, Learn

125 Wars and Plagues: How Events in 1918 Influenced the Profession of Microbiology
1:30 p.m. – 2:15 p.m.
POM04
POM, Learn

159 Communicating Science Succinctly: From A to T (Abstracts to Tweets)
3:00 p.m. – 3:45 p.m.
POM01
POM, Learn

167 Authors are from Mars, Reviewers are from Venus
4:15 p.m. – 5:00 p.m.
POM03
POM, Learn

Resume Review Power Hour (Advanced Sign-up Required)
4:00 p.m. - 4:45 p.m.
POM, Connect

168 Fireside Chat with Rebecca V. Ferrell, Author, and Hazel Barton, Co-Editor, Women in Microbiology
4:15 p.m. – 5:00 p.m.
POM, Connect

SATURDAY, JUNE 9

193 Career Talk: Kristy Kubota, Manager, American Public Health Laboratories
11:00 a.m. – 11:30 a.m.
POM02
POM, Learn

198 Fireside Chat with Mary E. Allen, JMBE Editor
11:00 a.m. – 11:45 a.m.
POM, Connect

Manuscript Review (Invitation Only)
11:00 a.m. - 12:00 p.m.
POM, Connect

272 Career Talk: Styliani Antonara, Associate Director, Nationwide Children’s Hospital
11:45 a.m. – 12:15 p.m.
POM02
POM, Learn

Manuscript Review (Invitation Only)
12:15 p.m. - 1:15 p.m.
POM, Connect

277 Fireside Chat with Norma Martinez-Gomez, Author, and Hazel Barton, Co-Editor, Women in Microbiology
12:15 p.m. – 1:00 p.m.
POM, Connect

288 Career Talk: Patrick Hanley, Director, The George Washington University Engineering Your Cells to Cure Viruses and Cancer?
12:30 p.m. – 1:00 p.m.
POM02
POM, Learn

299 Communicating Your Science: Focus on Audience and Leave the Jargon at Home
1:30 p.m. – 2:15 p.m.
POM04
POM, Learn

333 Converting a CV into a Resume
3:00 p.m. – 3:45 p.m.
POM02
POM, Learn

Resume Review Power Hour
(Advanced Sign-up Required)
3:00 p.m. - 3:45 p.m.
POM, Connect

SUNDAY, JUNE 10

368 Career Talk: Shawn Lockhart, Director of Fungal Reference Laboratory, CDC
11:00 a.m. – 11:30 a.m.
POM02
POM, Learn

373 Fireside Chat with Stefano Bertuzzi, Executive Director/CEO, ASM
12:15 p.m. – 1:15 p.m.
POM02
POM, Learn

448 Career Talk: Yvonne Sun, Assistant Professor, University of Dayton
1:30 p.m. – 2:00 p.m.
POM02
POM, Learn

453 Fireside Chat with Mark Martin, ASM Microbe Speaker
1:45 p.m. – 2:30 p.m.
POM, Connect

464 Career Talk: Tomislav Mestrovic, Assistant Professor, University North, Croatia – Bridging Leadership Roles in Academic Research, Clinical Practice and Science Communication
2:15 p.m. – 2:45 p.m.
POM02
POM, Learn

474 Scientific Publishing Ethics
3:00 p.m. – 3:45 p.m.
POM01
POM, Learn

Resume Review Power Hour
(Advanced Sign-up Required)
3:00 p.m. - 3:45 p.m.
POM02
POM, Connect
Hosted by ASM Microbe 2018 exhibitors, these educational events are intended to complement the official ASM program and enrich the attendee experience.

**INDUSTRY & SCIENCE WORKSHOPS**

Industry & Science Workshops will be held at the Georgia World Congress Center on the morning of Thursday, June 7. No registration fee is required to attend these workshops, but space is limited to the first 100 attendees.

**SPEAKERS:**
- Morgan A. Pence, PhD, D(ABMM), Director, Clinical and Molecular Microbiology Cook Children’s Medical Center
- Mir H. Noorbash, PhD, D(ABMM), Director, Microbiology and Molecular Sutter Health Shared Laboratory

There are a number of molecular options for GI testing that cover various pathogens, workflows, and cost. This workshop will explore the need to balance clinical guidelines, patient presentation and history, cost, and institutional needs when evaluating a change from culture to molecular. Two laboratory professionals will share their unique perspectives from experiences in a shared laboratory and children’s hospital.
11:00 a.m. – 11:45 a.m.

Clinical Performance of the BioFire® FilmArray® Pneumonia Panel

Room B313

SPEAKER:

Kevin Bourzac, PhD, Senior Director, Clinical Affairs, BioFire Diagnostics

The complex microbiology of lower respiratory samples has thwarted attempts to develop broad molecular diagnostic panels in this area. BioFire Diagnostics has recently submitted its BioFire Pneumonia Panel to the FDA for 510(k) clearance. The target list includes: 18 bacteria, 8 Viruses, and 7 Antibiotic resistance genes in sputum (including endotracheal aspirates) and bronchoalveolar lavage (including mini-BAL) sample types.

Dr. Kevin Bourzac will provide an overview of the BioFire Pneumonia Panel and present on some of the clinical performance data that has been collected from clinical trials.

2:00 p.m. – 2:45 p.m.

Microbiome Standards for Next-Generation Sequencing

Room B312

SPEAKERS:

Liz Kerrigan, Director of Business Development, ATCC
Dev Mittar, PhD, Lead Scientist, ATCC
Nick Greenfield, Founder and CEO, One Codex

The complexities involved in 16S rRNA and shotgun metagenomic analysis methods pose significant challenges for microbiome research and frequently result in the introduction of biases. One of the primary obstacles in assay standardization is the limited availability of reference materials and robust analytical tools. To support this need, ATCC has developed mock microbial communities from fully sequenced and characterized ATCC strains, selected based on their phenotypic and genotypic attributes or relevance in disease-specific research. These mock communities mimic mixed metagenomics samples and offer a universal control for microbiome analyses and assay development.

Special thanks to One Codex for their continued support and partnership in promoting microbiome research standardization.

3:00 p.m. – 3:45 p.m.

C. difficile Infection and Multiplex Testing

Room B313

SPEAKERS:

Tor Savidge, PhD, Associate Professor, Pathology and Immunology, Baylor College of Medicine

This workshop will feature Dr. Tor Savidge, Associate Professor of Pathology and Immunology at Baylor College of Medicine. Dr. Savidge will present data from his ongoing research regarding Clostridium difficile and coinfections detected by molecular multiplex technology in both children and adults.

Dr. Joseph M. Campos will present the initial findings from an ongoing analysis of the newly FDA cleared Curetis Unyvero Lower Respiratory Tract infection assay. Please join us as Dr. Campos details his experiences with this novel technology for analysis of lower respiratory microorganisms and their associated antibiotic resistance markers.
**INDUSTRY & SCIENCE EVENTS**

**FRIDAY, JUNE 8**

6:00 p.m. – 9:45 p.m.

**Knowledge Exchange II Bloodstream Infection: The Race Against Time**

Omni Atlanta Hotel at CNN Center, Grand Ballroom E

**MODERATOR:**

- Mark Miller, MD, FRCPC, Chief Medical Officer, bioMérieux Inc.

**SPEAKERS:**

- **Antimicrobial Stewardship: Why and How to Reduce Blood Culture Contamination**
  
  Dennis Ernst, MT (ASCP), NCPT (NCCT), Director of the Center for Phlebotomy Education, Inc. in Corydon, IN

- **How the bioMérieux BACT/ALERT® VIRTUO® System Can Improve Lab Workflow and Antimicrobial Stewardship**
  
  Allison McMullen, PhD, D(ABMM), Assistant Professor of Pathology at Augusta University and Medical Director of the Clinical Microbiology Lab at AU Medical Center

- **The Convergence of Microbiology and Pharmacy to Enhance Antibiotic Stewardship with Bloodstream Infections: The Need for Speed**
  
  Christopher M. Bland, PharmD, FCCP, FIDSA, BCPS, Clinical Associate Professor, Clinical and Administrative Pharmacy at University of Georgia College of Pharmacy, Clinical Pharmacy Specialist at St. Joseph’s/Candler Health System

Time is of the essence! Rapid, actionable diagnostic results are vital in the treatment of a patient. Join bioMérieux for an interactive thought-leadership discussion and dinner to learn about the critical role the laboratory plays in this process and gain valuable insights from our featured speakers who will share their experiences working against the clock to make informed treatment decisions. Our thought leaders will also discuss the factors which can have a significant impact on your Antimicrobial Stewardship programs.

Please RSVP at: go.biomerieux.com/knowledge-exchange.

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6:00 p.m. – 8:00 p.m.

**Rapid Pathogen Detection and Prediction of Antimicrobial Resistance in Urinary Tract Infections**

Room B204

**SPEAKERS:**

- **The Clinical Implications of Complicated Urinary Tract Infections in the Era of Antimicrobial Resistance**
  
  Stefan Riedel, MD, PhD, D(ABMM), FCAP, Associate Medical Director of the Clinical Microbiology Laboratories at Beth Israel Deaconess Medical Center and Associate Professor of Pathology at Harvard Medical School

- **Impact of Rapid Syndromic Diagnostics to Clinical Workflow**
  
  Donna Wolk, MHA, PhD, D(ABMM), System Director, Clinical Microbiology at Geisinger Medical Laboratories and Director of the Infectious Disease Research Laboratory at the Weis Research Center

- **Acuitas® AMR Gene Panel u5.47 (RUO) and Acuitas Lighthouse®: A Rapid Molecular Syndromic Test and Knowledgebase to Determine Pathogens and Predict Antibiotic Resistance in Complicated Urinary Tract Infection Specimens**
  
  Terry Walker, PhD, Senior Vice President of Research & Development, OpGen

Urinary tract infections (UTI) account for over 1 million hospital admissions in the United States each year and complicated urinary tract infection (cUTI) refers to UTI in individuals with structural or functional abnormalities of the urinary tract and in hospitalized patients with significant medical or surgical comorbidities. Effective, targeted antimicrobial treatment is of critical importance in patients with cUTI as the emergence and spread of antimicrobial resistant pathogens increase. Recent development of syndromic molecular panels and their adoption in the clinical laboratory have improved patient care and clinical workflow for other complex clinical microbiology cases. However, for complicated UTI, slower phenotypic antibiotic susceptibility testing is the standard guide for antibiotic therapy. OpGen has completed development of a rapid molecular test for research use only that detects cUTI associated pathogens and resistance genes. When used with complementary analytics (Acuitas Lighthouse®), the RUO assay is the first to quickly predict phenotypic resistance in Gram-negative infections.
**Antibiotic R&D Networking Event**  
Hosted by GARDP & The Pew Charitable Trusts

6:00 p.m. – 8:00 p.m.

The last time a new class of antibiotics was discovered and made it to market was in 1984. Join us to learn more about initiatives led by the Global Antibiotic Research & Development Partnership (GARDP) and The Pew Charitable Trusts, which aim to overcome the fundamental gaps in knowledge at the root of this decades-long drought in antimicrobial innovation. This networking event will give participants the opportunity to learn more about REVIVE and the Shared Platform for Antibiotic Research & Knowledge (SPARK), as well as to exchange with other experts in the field of antibiotic R&D. Beverages and hors d’oeuvres will be provided.

Pew’s forthcoming tool, SPARK, is a digital platform that offers researchers access to chemical and biological data that can be used to generate and share new hypotheses focused specifically on finding and designing antibiotics for drug-resistant Gram-negative bacteria. REVIVE, a GARDP initiative, connects seasoned and emerging researchers, provides educational tools and resources, and supports progress for the entire antimicrobial R&D pipeline. Together, these efforts bring complementary new resources to the collaborative, global effort to spur discovery and development of new antibiotics.

To RSVP, please visit: [http://pewtrusts.org/antibiotic-discovery-reception](http://pewtrusts.org/antibiotic-discovery-reception).

**Pizza & Posters**

7:30 p.m. – 9:00 p.m.

Join ATCC® on Friday, June 8, 2018, for a casual confab focused on advancements in molecular microbiology research and applications. Connect with colleagues, enjoy a scrumptious selection of artisan pizza, and discuss a variety of posters that demonstrate molecular-based products and applications in the areas of metagenomics, sequencing, assay development, or methods verification. We’ll be kicking off the event at 7:30 p.m. at the Omni Atlanta Hotel at CNN Center in Atlanta, Grand Ballroom AB. Plan to arrive early, space is limited.

Special thanks to One Codex for their continued support and partnership in promoting microbiome research standardization.

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**SUNDAY, JUNE 10**

**7:00 a.m. – 8:30 a.m.**

**How to Publish Your Best Work: Q&A with an eLife Editor**

**Room B208**

**MODERATOR:** Maria Guerreiro, eLife Journal Development Editor

**SPEAKER:** Gisela Storz, PhD, NIH Distinguished Investigator

Have exciting results you’d like to publish? Join this session to learn how. We’ll explain about the publishing process and your options for how to share your best work with your peers and more widely. Hear from Gisela Storz, NIH Investigator and eLife Senior Editor about publishing your best work with eLife. In the Q&A part of the meeting you will be able to ask your questions directly of an eLife editor and executive staff.

**7:00 a.m. – 8:30 a.m.**

**Green Cards for Scientific Researchers: How to Win Your EB-1A/NIW Case**

**Room B204**

**SPEAKER:** Brian Getson, Esq., Immigration Lawyer, Getson & Schatz, P.C.

Brian Getson is a graduate of the University of Pennsylvania Law School with 20 years of experience. He is a leading U.S. immigration lawyer who represents scientific researchers in applying for green cards and is the principal of a boutique immigration law firm based in Philadelphia. Mr. Getson has given presentations on “Green Cards for Scientific Researchers” at numerous major scientific conferences, the Wistar Institute, and at universities. Mr. Getson often provides a money back guarantee to qualified applicants giving clients confidence that they will get results. See his website, researchergreencard.com for more information.

**7:00 a.m. – 8:30 a.m.**

**Breakthroughs in Diagnosing Infectious Diseases: Identifying Thousands of Previously Missed Pathogens using Explify®, a Novel Metagenomics-based Testing Platform**

**Room B207**

**SPEAKER:** Robert Schlaberg, MD, MPH, Chief Medical Officer, IdbyDNA Inc.

This program will be a 45-minute presentation with a 15-minute Q&A session. The goal is to introduce Explify, a novel metagenomics approach to identifying pathogens and other microorganisms by their unique genomic signature.
Antimicrobial-resistant Gram-negative bacteria continue to challenge clinicians. Several pathogens have been identified by the CDC and WHO that present serious healthcare threats, including ESBL-producing and carbapenem-resistant Enterobacteriaceae as well as multidrug-resistant *P. aeruginosa*. Addressing the issue of antimicrobial resistance requires a multifaceted approach that involves timely diagnosis and optimal use of traditional and newer antimicrobials that overcome various mechanisms of resistance. Healthcare providers involved in the management of serious bacterial infections must stay up-to-date on evidence-based approaches to optimize patient care. This program will review the current landscape of priority Gram-negative bacteria and provide guidance on utilizing rapid diagnostic approaches and newer antimicrobial agents aimed at improving clinical outcomes.

For more information and to register, please visit www.vemcomed.com/livemeetings.asp
for urinary tract microbiota detection* offers a sample to answer workflow in just five hours. Additionally, it increases the accuracy in detecting urinary tract pathogens by 25% when compared to culture-based methods. Verification data demonstrates that when compared with urine specimen culture, real-time PCR detected 97% of samples where urinary tract pathogens were present, vs culture which detected only 71% of cases where pathogens were present.

Join us to learn more about how this new sample-to-answer real-time PCR solution for urinary tract microbiota detection – and its potential for improved accuracy and efficiency.

*For research use only. Not for use in diagnostic procedures.

12:00 p.m. – 12:45 p.m.
Antibiotic Susceptibility Testing
Direct from Positive Blood Cultures: Challenges and Opportunities for Pediatric and Immunocompromised Patients with Bacteremia

SPEAKERS:

■ Integration of Fast MIC Diagnostics into the Clinical Microbiology Laboratory in a Children’s Hospital: Partnership with Antimicrobial Stewardship
Joseph M. Campos, PhD, D (ABMM), F(AAM), Director, Microbiology Laboratory, Infectious Disease Molecular Diagnostics Laboratory, and Laboratory Informatics at Children’s National Medical Center in Washington, DC; Professor, Departments of Pediatrics, Pathology, and Microbiology/Immunology/Tropical Medicine at George Washington University Medical Center

■ Early Antibiotic Susceptibility Results & Management of Immunocompromised Patients with Gram Negative Bacteremia
Micah Bhatti, MD, Pediatric Infectious Disease Specialist, MD Anderson Cancer Center

This presentation will provide an update on new C. difficile infection clinical guidelines and implications for diagnostic test recommendations, as well as strategies for clinician and laboratory partnership to ensure appropriate patient testing to optimize infection control and disease management.
1:00 p.m. – 1:45 p.m.

Improving the Accuracy and Reproducibility of Microbiome Measurements

Exhibit and Poster Hall, Industry & Science Showcase B

SPEAKER:

- Addressing Bias in Microbiomics and Metagenomics Measurements with Microbiome Standards

Janina Krumbeck, PhD, Zymo Research Corp., Irvine, CA

The field of microbiomics has developed rapidly in the past several years. However, this field has been criticized for poor data quality and poor data reproducibility across labs. Even the most prominent leaders in the field have reported contradictory results. Obtaining accurate microbiome measurements is not trivial as it consists of multiple steps from sample collection to bioinformatics analysis and any artifact or defect in these steps can cause bias or errors in the end. The ideal microbiomics workflow should be unbiased, and free of contaminating nucleic acids. However, many conventional methodologies used in this field were developed before the emergence of microbiomics and do not meet these requirements. Innovations are needed to solve these microbiomics-specific challenges. Just as good controls are needed for all measurements, microbiome standards (e.g. a mock microbial community) are critical to improve the accuracy of microbiome measurements. In this session, we will demonstrate how we use microbiome standards to optimize microbiomics workflows: identify problems, fix them and improve the measurements. The consolidation of these efforts is our ZymoBIOMICS™ product portfolio, a complete microbiomics solution for the most accurate microbiome profiling.

11:00 a.m. – 11:45 a.m.

Dynamic Live Yeast and Bacteria Cell Imaging Using the CellASIC® ONIX2 Microfluidic Platform

Exhibit and Poster Hall, Industry & Science Showcase B

SPEAKER:

- Cindy Chen, PhD, Application Lead

While live cell imaging provides significant advantages over traditional static imaging, it is very challenging to perform real-time monitoring of yeast and bacterial colonies for more than a few hours due to their extremely small size (yeast: 4 µm; bacteria < 1 µm), ability to escape the focal plane/field of view, and issues from rapid growth and overcrowding. In this workshop we will discuss new innovative microfluidics based “trap” plates which addresses these challenges and provides long term 24 hours live cell imaging with simpler generational analysis of progeny over time as a function of environmental conditions. With the micro-environmental control feature of CellASIC ONIX 2 system, users can perturb the colonies with up to 6 reagents and/or with different gas compositions and temperatures on the trap plates. When combined with the ONIX2 system, the new plate offers a unique turnkey solution to the imaging based mechanistic investigation of the impact of environmental conditions on yeast and bacteria.

12:00 p.m. – 12:45 p.m.

Antibiotic Susceptibility Testing Direct from Positive Blood Cultures: Challenges and Opportunities for Pediatric and Immunocompromised Patients with Bacteremia

Exhibit and Poster Hall, Industry & Science Showcase A

SPEAKERS:

- Integration of Fast MIC Diagnostics into the Clinical Microbiology Laboratory in a Children’s Hospital: Partnership with Antimicrobial Stewardship
  Joseph M. Campos, PhD, D (ABMM), F(AAM), Director, Microbiology Laboratory, Infectious Disease Molecular Diagnostics Laboratory, and Laboratory Informatics at Children’s National Medical Center in Washington, DC; Professor, Departments of Pediatrics, Pathology, and Microbiology/Immunology/Tropical Medicine at George Washington University Medical Center

- Early Antibiotic Susceptibility Results & Management of Immunocompromised Patients with Gram Negative Bacteremia
  Micah Bhatti, MD, Pediatric Infectious Disease Specialist, MD Anderson Cancer Center

Providing phenotypic antimicrobial susceptibility results to clinicians can significantly affect patient outcomes and is, arguably, one of the most important activities performed.
by clinical microbiology laboratories. This symposium will focus on direct from positive blood culture phenotypic antibiotic susceptibility testing and the challenges and opportunities in integrating this new technology into antimicrobial stewardship programs. Additionally, the impact of early susceptibility results on the management patients with Gram-negative bacteremia will be discussed.

12:00 p.m. – 12:45 p.m.
Detecting CRE to Support Infection Control and Antimicrobial Stewardship Initiatives

Exhibit and Poster Hall, Industry & Science Showcase B

MODERATOR:
- Michelle Brackney, MBA, Microbiology Marketing Manager, Roche Diagnostics

SPEAKER:
- Patricia J. Simner, PhD, D(ABMM), Associate Professor of Pathology, Director of Bacteriology and Parasitology, Division of Medical Microbiology, Johns Hopkins

Carbapenem-Resistant Enterobacteriaceae (CRE) is a growing healthcare threat that can cause many types of infections that are difficult to treat. This presentation will highlight the challenges associated with CRE, impact on patient safety and healthcare costs, and the role of the laboratory in implementing testing strategies to support infection control and antimicrobial stewardship initiatives.

1:00 p.m. – 1:45 p.m.
Clinical Application of the Karius Test — a Plasma Next-Generation Sequencing Test for Pathogen Detection

(Redwood City, CA; CAP-accredited and CLIA-certified laboratory)

Exhibit and Poster Hall, Industry & Science Showcase A

SPEAKERS:
- Clinical Experience with the Karius Test at Children’s National Medical Center
  Joseph M. Campos, PhD, D(ABMM), F(AAM), Director, Microbiology Laboratory, Infectious Disease Molecular Diagnostics Laboratory, and Laboratory Informatics at Children’s National Medical Center in Washington, DC; Professor, Departments of Pediatrics, Pathology, and Microbiology/Immunology/Tropical Medicine at George Washington University Medical Center
- SEP-SEQ Trial – Determining the Etiology of Sepsis with the Karius Test
  Simone Thair, PhD, Postdoctoral Scholar, Stanford University Medical Center
- Clinical Applications of the Karius Test
  Tim Blauwkamp, PhD, Chief Scientific Officer, Karius, Inc.

Current infectious disease testing methods such as blood cultures and PCR panels offer limited diagnostic capability. Many tests only detect a single pathogen or a small panel of pathogens, or cannot detect fastidious and unculturable organisms. Deep-seated infections may require an invasive biopsy and uncommon pathogens can often be missed.

Applying next-generation sequencing (NGS) of microbial cell-free DNA to pathogen detection holds great promise for transforming our current diagnostic methods to a more comprehensive molecular approach.

The Karius™ Test is a plasma next-generation sequencing test for pathogen detection designed to rapidly and precisely detect over 1,000 pathogens, including bacteria, fungi, protozoa, and DNA viruses. The test can identify pathogens in culture-negative infections including sepsis, and in deep infections often requiring invasive biopsy such as invasive fungal infections.

This session highlights the clinical experience of utilizing the Karius test, the results from the SEP-SEQ Trial for sepsis, and clinical applications of the Karius Test in various medical settings to detect a variety of difficult-to-diagnose pathogens that impact clinical outcomes.

1:00 p.m. – 1:45 p.m.
Streck ARM-D® Kits for Molecular Detection of Antimicrobial Resistance in Blood Culture and Clinical Swabs

Exhibit and Poster Hall, Industry & Science Showcase B

SPEAKERS:
- Stability testing of positive blood culture extracts with the Streck ARM-D Kits for detection of antimicrobial resistance genes in fresh and banked clinical samples
  Diana R. Hernandez, PhD, Staff Scientist, Geisinger

We utilized the Streck ARM-D Kits to test extracts from positive blood culture samples for the accurate detection of carbapenemases, ESBLs and ampC gene targets found in Gram-negative bacteria. Samples were stored at room temperature for up to eight hours or frozen for two years.

- Clinical utility of the Streck ARM-D Kits to detect antimicrobial resistance genes from extracts of axillary, throat and rectal swabs
  Kathy A. Mangold, PhD, Dept. of Pathology & Laboratory Medicine, NorthShore University HealthSystem, Evanston, IL

The CDC reports 10% to 15% of hospital patients and 65% of nursing home residents harbor ≥1 MDRO. Vital to controlling MDRO spread is recognizing colonized patients, then implementing appropriate interventions. Axillary, throat and rectal swabs were utilized for surveillance and to screen at-risk populations admitted to ICUs to rapidly identify MDRO-colonized patients.

Streck ARM-D Kits (RUO) are for Research Use Only. Not for Use in Diagnostic Procedures.
One of the greatest challenges in infectious diseases is the need for rapid methods to make a diagnosis and to reduce the inappropriate antibiotic use that drives the emergence of resistance. The availability of rapid and reliable infectious disease diagnostics that can provide results directly from patient specimens is a major unmet need in patient management.

Plate-based culturing remains the gold standard for the detection of many bacterial infections, requiring 24-72 hours before results are available and creating a significant burden on clinical microbiology laboratories. This delay effectively forces clinicians to prescribe empiric antibiotic therapy in symptomatic patients, which controverts antibiotic stewardship efforts and can contribute to the development of antibiotic resistance.

Often, alternative methods are used as a proxy for traditional culture-based methods. As an example, Urinalysis (UA) is an automated approach that provides more rapid results than standard culturing, but this method can suffer from poor sensitivity and specificity, resulting in the improper management of patient care.

There are newer technologies available today that improve our ability to detect pulmonary infections and UTIs faster as well as provide insight into phenotypic antimicrobial resistance. Specifically, a newly approved technology that uses laser light scatter to detect low density bacterial samples is a major unmet need in patient management.

The objectives of this presentation are to describe the impact of existing and novel methods available for rapid bacterial detection and antimicrobial resistance testing and the integration of these rapid tests into the laboratory as opportunities to improve antimicrobial use and clinical and economic outcomes.
# Exhibitors by Product Category

## Academic Medical Center
- ChunLab, Inc. .................................. 2804
- Drummond Scientific ......................... 2718
- Georgetown University Department of Microbiology & Immunology .......... 1221
- Motic Instruments, Inc. ....................... 1940
- National Jewish Health ........................ 1319
- Sartorius Corporation ........................ 2702
- Scientific Industries, Inc. .................... 1113
- University of Maryland, Institute for Genome Sciences ............... 3224
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- BEI Resources ................................ 1514
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- MilliporeSigma ................................ 1631
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- Gold Biotechnology ........................... 3009
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- Quella Corporation ........................... 2801
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- JMI Laboratories ............................. 2223
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- Motic Instruments, Inc. ...................... 1940
- National Jewish Health ...................... 1319
- NCGS, Inc. ................................... 2806
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- PacBio ....................................... 3125
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- Pro-Lab Diagnostics .......................... 1618
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- Roche Diagnostics Corporation .......... 2005
- RRLGenomics ................................ 3123
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- SHELL LAB (Sheldon Manufacturing, Inc.) .................. 1406
- Southern Research ......................... 1741
- Streck ....................................... 2706
- TECHLAB, Inc. .............................. 2031
- The Jackson Laboratory ....................... 2140
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- MetaSystems Group, Inc. .................. 2036
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- BioAware .................................. 1624
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| College of American Pathologists | 3021 |
| Curetis USA .................. | 2323 |
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| Fujirebio U.S. .............. | 1941 |
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| Hardy Diagnostics .......... | 2623 |
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| Medical Chemical Corporation | 1106 |
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| OpGen, Inc. .............. | 1635 |
| PacBio ...................... | 3125 |
| Paragon Genomics .......... | 3110 |
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| Q-linea AB .................. | 922 |
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| Roche Diagnostics Corporation | 2005 |
| Scientific Device Laboratory Inc. | 2331 |
| SHEL LAB (Sheldon Manufacturing, Inc.) .. | 1406 |
| Specific Diagnostics ...... | 2807 |
| SSI Diagnostica A/S ....... | 1831 |
| Streck .............. | 2706 |
| T2 Biosystems, Inc. ..... | 1731 |
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| ANAEROBE SYSTEMS ........ | 2507 |
| BEI Resources ............ | 1514 |
| Biolog, Inc. ............. | 1523 |
| Clinical and Laboratory Standards Institute (CLSI) | 1408 |
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| Georgetown University Department of Microbiology & Immunology | 1221 |
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| National Institutes of Health, National Library of Medicine, National Center for Biotechnology Information | 925 |
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| The University of Texas at San Antonio, The Graduate School | 3212 |
| University of California, Irvine National BSL-3 Training Program | 3006 |
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| Biolog, Inc. ............ | 1523 |
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| CHROMagar - DRG International, Inc. | 1307 |
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| Coy Laboratory Products | 1421 |
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| DOE Systems Biology Knowledgebase (KBase) | 1311 |
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| Interscience Laboratories Inc. | 1030 |
| Lyse-It LLC ............ | 3005 |
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| Moltrox .................. | 1209 |
| Motic Instruments, Inc. | 1940 |
| Northeast Laboratory Services | 1415 |
| PacBio ................... | 3125 |
| PerkinElmer .............. | 3209 |
| Phaseon Technology .. | 1103 |</p>
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**LABORATORY SERVICES/CYTOMETRY/HEMATOLOGY**

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**MEDICAL EQUIPMENT**

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- Parechovirus
- Parvovirus
- RSV
- VZV

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- B. parapertussis
- B. pertussis
- Borrelia
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Accelerate Diagnostics, Inc. is an in vitro diagnostics company that is purpose-built to dramatically improve the speed and quality of microbiology diagnostics, providing solutions for the global challenge of antibiotic resistance and hospital-acquired infections. The Accelerate Pheno™ system provides fully automated antibiotic susceptibility results with MICs direct from positive blood cultures.

Achaogen is a clinical-stage biopharmaceutical company passionately committed to the discovery, development, and commercialization of novel antibacterials to treat multi-drug resistant (MDR), gram-negative infections.

ACS Publications is a nonprofit scholarly publisher of more than 50 of the most cited, most trusted and most read peer-reviewed journals, eBooks, and the award winning Chemical & Engineering News.

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Affinity Biosensors is a new and unique, automated system for quantitative microbiology research ideally suited to rapidly measuring microbial growth and response. By making use of Affinity Biosensors' proprietary Resonant Mass Measurement technology, LifeScale simultaneously measures the mass of individual microbes, counts cells, generates growth and response curves, determines concentration (microbe number per ml), and identifies changes in microbe morphology.

Alifax presents the new Sepsi analyzer with a fast AST from a positive blood culture in few hours; Alibox, a smart patented device designed to improve and certify sample transportation with real-time multiple parameters monitoring on a cloud-based services; Molecular Mouse, a next generation Lab-on-Chip real-time PCR; I-dOne, reagent free FTIR instrument able to identify bacteria in less than 1 minute; new MTB test with MOTT class specification for class I/II/III labs.

Allergan plc (NYSE: AGN), is a bold, global pharmaceutical company focused on developing, manufacturing and commercializing branded pharmaceuticals, devices and biologic products for patients around the world. For more information, visit Allergan's website at www.Allergan.com.

At Alpha it is our mission to provide dehydrated culture media using only the finest ingredients globally available. Our reputation has been built by blending the highest quality raw materials into a finished product of premium standards. This ensures Alpha Biosciences’ consistency in the reproduction process of our culture media formulations. Alpha strictly sources raw materials from only BSE-free countries in the manufacturing of its entire product line.
Alpha-Tec Systems, Inc. .......... 1122
www.alphatecsystems.com

For nearly 40 years, Alpha-Tec Systems has continually pushed for higher quality, more consistent in vitro diagnostics. Along with the gold standard mycobacteriology products we are known for worldwide (the NAC-PAC® System), Alpha-Tec offers easy-to-use solutions for your parasitology, mycology, and bacteriology processing needs. This year we are further expanding our QC1™ Quality Control Slide selection to include Trichomonas, Mycology, and positive or negative-only AFB and Gram Slides.

Amerex Instruments, Inc. .......... 1730
www.amerexinst.com

Amerex Instruments, Inc. markets a comprehensive line of quality and reliable research equipment that includes incubator, water-bath and open-air shakers, autoclaves, incubators, water and circulating baths, and convection and hybridization ovens. The company will exhibit its latest top-loading autoclaves and incubator shakers.

American Society for Microbiology ............... 1906
www.asm.org

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Anaerobe Systems ................. 2507
www.an aerobesystems.com

Manufacturer of Pre-Reduced Anaerobically Sterilized (PRAS) culture and transport media. Manufacturer and design capability to produce custom media formulations. Products ready to use with no need to pre-reduce plates. Manufacturer and distributor of anaerobic chambers in various sizes. 3-day lab based training course on anaerobic culture & isolation techniques conducted 5 times per year.

Analytik Jena US LLC .............. 3522
us.analytik-jena.com

Analytik Jena US will exhibit a selection of products from their Life Science portfolio including Western blot/gel documentation systems, In Vivo Imaging systems, thermal cyclers, qPCR/standard PCR systems, homogenization equipment, PCR hoods, and DNA/RNA isolation/extraction kits. Our products are focused to offer you a quality and the reproducibility of your laboratory results. This will surely ease your daily work and speed up your work processes in a certain way.

Applied Maths, Inc. ............... 1612
www.applied-maths.com

BioNumerics: the one universal bioinformatics solution to store and analyze all of your biological data. BioNumerics offers unparalleled options for gel analysis, sequence analysis (wgMLST and wgSNP analysis), character type data, and more. Powerful databasing, integrated networking, visualization and decision-making tools including data mining, querying, clustering, identification, and statistics all in one user-friendly software program.

Associates of Cape Cod, Inc. .... 1411
www.acciusa.com

Specializing in chromogenic and turbidimetric reagent technologies, Associates of Cape Cod, Inc. (ACC) has been a leader in endotoxin and (1,3)-ß-D-glucans detection products and services for more than 40 years. ACC pioneered LAL testing methodology and was the first FDA licensed company to manufacture LAL reagents.

Astellas Pharma US Inc ........... 1709
www.astellas.us

Astellas Pharma US, Inc., is a U.S. affiliate of Tokyo-based Astellas Pharma Inc. Astellas is a pharmaceutical company dedicated to improving the health of people around the world through the provision of innovative and reliable pharmaceutical products.

Astellas Pharma US Inc ........... 1510
www.astellas.us

Astellas collaborates with and supports the global scientific community with industry-standard biological products and innovative solutions. With over 90 years of experience in biological materials management, ATCC offers the largest and most diverse collection of microorganisms, nucleic acids, human and animal cells, biological products, and standards. Some of our newest cultures and products include quantitative genomic and synthetic nucleic acids, mock microbial communities and spike-in standards for microbiome research, multidrug resistant superbugs, purified viruses, synthetic biology solutions, and updated influenza outbreak strains. ATCC also provides a wide range of custom solutions, including quantitation, manufacturing and biorepository services, nucleic acid extraction, and more. Connect with us at booth #1510 or visit us online at www.astellas.us to learn more.

AusDiagnostics USA .............. 3024
www.ausdiagnostics.com

AusDiagnostics offers RNA silencing and regulation products to advance research in basic and applied microbiology including pathogen control. AUM’s FANA Antisense Oligonucleotide technology provides superior alternative to CRISPR, siRNA and shRNA approaches and can be used to silence/regulate mRNA, microRNA and IncRNA. FANA ASOs can be used for target discovery. FANAs are self-deliverable and do not need transfection or delivery reagents. FANA technology can help save time, resources and money.

AusDiagnósticos USA ............. 1835
www.ausdiagnostics.com

AusDiagnósticos USA is a manufacturer and supplier of Highly Multiplexed molecular diagnostics products for Human and Veterinary customers. Company products include panels which speed up, automate and simplify laboratory diagnostics, and are capable of detecting more than 1,000 targets in a single run.
improving medical discovery, diagnostics is advancing the world of health by technology company that BD is a global medical www.bd.com

our budget — will be pleased. exceeding industry standards. Our and quality control measures that equipment. Our products are built to testing and production of reliable been at the forefront of engineering, For 60 years, The Baker Company has www.bakerco.com

is an IVD company changing the way infectious disease is diagnosed and treated by providing rapid, reliable, automated, and accessible microbiology that ensures the successful use of antibiotics. BacterialScan’s first medical device is a compact, simple, and low-cost system for detection of bacteria indicative of a Urinary Tract Infection (UTI) for use in clinical microbiology labs. BacterialScan is a global, privately held corporation, with headquarters in St. Louis, MO. www.bacterioscan.com

Baker ........................................ 2909
www.bakerco.com

For 60 years, The Baker Company has been at the forefront of engineering, testing and production of reliable laboratory contamination control equipment. Our products are built to order, with rigorous testing protocols and quality control measures that exceed industry standards. Our commitment ensures you — and your budget — will be pleased.

BacterialScan ................. 2737
www.bacterioscan.com

BacterialScan is an IVD company changing the way infectious disease is diagnosed and treated by providing rapid, reliable, automated, and accessible microbiology that ensures the successful use of antibiotics. BacterialScan’s first medical device is a compact, simple, and low-cost system for detection of bacteria indicative of a Urinary Tract Infection (UTI) for use in clinical microbiology labs. BacterialScan is a global, privately held corporation, with headquarters in St. Louis, MO.

BD Life Sciences ............... 2201
www.bd.com

BD is a global medical technology company that is advancing the world of health by improving medical discovery, diagnostics and the delivery of care. BD leads in patient and healthcare worker safety and the technologies that enable medical research and clinical laboratories. The company provides innovative solutions that help advance medical research and genomics, enhance the diagnosis of infectious disease and cancer, improve medication management, promote infection prevention, equip surgical and interventional procedures and support the management of diabetes.

BioAssay Works®, LLC ............ 2138
www.bioassayworks.com

BioAssay Works makes rapid lateral-flow tests with lab-based assay sensitivity. We produce the finest gold sols and gold conjugates that power these assays. We offer a growing line of gold-sol based reagents, kits for MAB isotyping and quantitation, and development tools. We also offer gold conjugation, assay development and manufacturing services. Get lab-based assay sensitivity in your lateral-flow test using our uniform, highly concentrated gold sols and our patented C-FLAT assay platform.

BioFire Diagnostics, LLC ........ 1701
www.biofiredx.com

BioFire’s FilmArray® System uses syndromic testing to identify infectious diseases with five FDA-cleared and CE-IVD marked assay specific reagent panels. The FilmArray System combines a broad grouping of probable pathogenic causes into a single, rapid test. Each panel simultaneously tests for a comprehensive set of targets in about an hour.
Bioline ..........................3433
www.bioline.com

Biolog, Inc. ..........................1523
www.biolog.com

Biolog is a pioneer in the development of powerful cellular analysis tools for solving critical problems in clinical, pharmaceutical, and biotechnology research and development. In addition to our award winning Microbial Identification Systems, Biolog’s unique Phenotype MicroArray technology can be used to assay cells of all types, from microbial to mammalian.

bioMérieux, Inc. .........................1609
www.biomerieux-usa.com

A world leader in the field of in vitro diagnostics for over 50 years, bioMérieux is present in more than 150 countries through 43 subsidiaries and a large network of distributors. bioMérieux provides diagnostic solutions (systems, reagents, software) that determine the source of disease and contamination to improve patient health and ensure consumer safety. Its products are mainly used for diagnosing infectious diseases and detecting microorganisms in food, pharmaceutical and cosmetic products.

Biosynth International ...............3023
www.biosynth.com

Biosynth is an accomplished player in the field of bio-chemicals for the diagnostics, pharmaceutical and chemical industries. With a product base of 50’000 substances, Biosynth is an expert partner for industrial and R&D customers. We maintain a fully equipped, state-of-the-art biosafety Level 2 laboratory. Our extensive collection of microorganisms allows for the development of enzymatic assays for the detection and identification of bacteria in clinical, food, and environmental applications.

BIT Group ..................................2923
www.BIT-Group.com

BUILD INNOVATION TOGETHER - BIT provides contract product development, manufacturing and after-sales services, as well as hematology instruments, for life science, medical and IVD instrumentation OEMs. Quality and regulatory standards include GMP, FDA registered, ISO13485, QSR and CE IVD Directive. Pre-engineered platform technologies reduce development cost and time-to-market; lean manufacturing centers and global supply chain enable competitive product cost. Founded in 1976, BIT employs 350 people and has a presence in Frankfurt (Germany), San Diego/CA and Irvine/ CA (USA), Montpellier (France) and Kunshan (China). BIT is privately owned and part of Messer World.

Boekel Scientific ......................2333
www.boekelsci.com

Boekel Scientific, a leading biology laboratory equipment manufacturer based in the United States, focuses on life science and biology laboratory equipment, including hybridization, histology, blood banking, microbiology and food safety equipment. We strive to maintain the highest standard of quality while creating innovative equipment. Boekel Scientific is an ISO 9001 and ISO 13485 certified company.

BrandTech® Scientific ..................2831
www.brandtech.com

Bulldog Bio Inc. ..........................901
www.bulldog-bio.com

Bulldog Bio provides quality products for life science research. Of interest to Microbiologists is the ELEPO21 which couples high precision 4-phase voltage control with an expanded range of voltages ideal for cells with tough walls such as bacterial, yeast and other fungi. The ELEPO21 can provide a 5x increase in transformation efficiency as compared with simple single pulse electroporators.

Carbosynth, LLC ......................1833
www.carbosynth.com

Caron’s controlled-environment products are backed by an organization dedicated to providing high-level and personal service, on-time delivery, and long-term technical service and support. Product types include Stackable and Reach-in CO2 incubators, stability test chambers, photostability chambers, plant growth chambers, insect rearing chambers, refrigerated, humidified, and diurnal incubators. Caron: providing temperature control solutions to life science and industrial markets since 1985.

CDC, Division of Laboratory Systems ..........................3113
www.cdc.gov/ophss/csels/dls/index.html

The Centers for Disease Control and Prevention’s (CDC) Division of Laboratory Systems (DLS) works to strengthen the nation’s clinical and public health laboratory system by continually improving quality and safety, informatics and data science, preparedness and response, and training and workforce development.

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Cell Press .................. 1524
www.cell.com

Cell Press (booth #1524) is the home for microbiology researchers, offering high-quality, cutting-edge research and resources to propel your work forward. We publish 17 primary research journals including Cell and Cell Host & Microbe, the Trends reviews journals including Trends in Microbiology, and 8 research journals on behalf of learned societies.

CELLTREAT Scientific Products 1317
www.celltreat.com

The CELLTREAT Scientific Products team understands that quality, innovation and cost are important to our customers. The entire organization is dedicated to providing quality cell culture and liquid handling products, exceptional customer service and measurable value to the scientific research community. We believe that innovation is a critical component to providing exceptional customer service.

Cellware Scientific .................. 1837
www.cellwaresci.com

Cellware Scientific offers a series of revolutionary cell culture and microbial culture products. Our novel single-use bioreactor system is designed for adherent & non-adherent cell cultures. It utilizes disposable cell culture bags with an active aeration device and is the only system that can fit into CO2 incubators. Our innovative design optimizes growth environments, improves cell yields, and increases throughput, all in an affordable and eco-friendly way. Please visit us at booth 1837.

Cepheid .................. 3220
www.cephied.com

Cepheid is a leading molecular diagnostics company dedicated to improving healthcare by developing, manufacturing, and marketing accurate yet easy-to-use molecular systems and tests. Their solutions deliver a better way for institutions of any size to perform sophisticated molecular testing in virtually any setting. Cepheid is focusing on those applications where accurate, rapid, and actionable test results are needed most, such as managing infectious diseases and cancer.

Chemglass Life Sciences ........ 1520
www.cglifesiences.com

For over 70 years, Chemglass has manufactured and distributed the highest quality laboratory glassware and equipment; fabricating standard glassware items and components as well as custom glassware. We have the capability to produce not only the most complex glass apparatus, but also intricate electronic equipment and customized machined components.

CHROMagar - DRG International, Inc. ........ 1307
www.chromagar.com

CHROMagar is the manufacturer of the original innovative chromogenic media for detection of pathogenic microorganisms. Their products are used for clinical and research applications worldwide. DRG International, Inc. is the authorized distributor of CHROMagar culture media in dehydrated form within the United States. DRG International, Inc. develops, manufactures and distributes ELISA kits worldwide.

ChunLab, Inc. .................. 2804
www.bioiplug.com

ChunLab has launched a new web-based bioinformatics platform, BIOiPLUG, for microbiologists who study metagenomics and genomics. Our ultimate mission is to enable clients to easily perform high-end analysis of their NGS data. Based on ChunLab’s cloud platform, latest database, and expertise in bioinformatics, we are glad to provide dedicated assistance for researchers in their various studies.

Clever Culture Systems AG ........ 1107
cleverculturesystems.com

Clever Culture Systems is a joint venture of LBT Innovations and Hettich Holding Beteiligungs-und Verwaltungs-GmbH (Hettich). The landmark agreement between the two companies brings together LBT Innovations’ clinical technology expertise and Hettich’s hardware development skill-set to drive the commercial development and distribution of LBT’s Automated Plate Assessment System. The market-leading, innovative technology streamlines busy laboratory workflows, offering a modular approach.

Clinical and Laboratory Standards Institute (CLSI) ........ 1408
www.clsi.org

College of American Pathologists .................. 3021
www.cap.org

As the world’s largest organization of board-certified pathologists and leading provider of laboratory accreditation and proficiency testing programs, the College of American Pathologists (CAP) serves patients, pathologists, and the public by fostering and advocating excellence in the practice of pathology and laboratory medicine worldwide. The CAP laboratory accreditation, more than 55 years old, currently accredits approximately 8,000 laboratories.

Contagion® .................. 1937
www.contagonlive.com

Contagion® is a fully integrated news resource covering all areas of infectious disease. Through our site, journal, eNewsletters, social media, and Outbreak Monitor we provide MDs and specialists with disease-specific info designed to improve outcomes and assist with the identification, diagnosis, treatment, and prevention of infectious diseases. Our mission is to assure that the healthcare community and public have the knowledge to make more informed choices and positively impact on outcomes.
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Copan Diagnostics, Inc. ..........2021
www.copanusa.com
COPAN is the leading manufacturer of collection and transport systems in the world. COPAN’s collaborative approach to innovation in pre-analytics has resulted in the original FLOQSwabs™, ESwat™, FecalSwab™, UTM™, and Full Laboratory Automation. COPAN’s collection and transport systems are proven to advance the quality of microbiology assays. COPAN automation includes specimen processing, smart incubation, digital imaging, and strong algorithms for automatic segregation of bacterial cultures.

CosmosID .........................1309
www.cosmosid.com
CosmosID is a microbial genomics platform focused on rapid characterization of microorganisms, pathogens and anti-microbial resistance for infectious disease identification, food safety inspections, pharmaceutical discovery, public health surveillance and microbiome analysis.

Coy Laboratory Products ..........1421
www.coylab.com
Anaerobic Chambers tailored to meet your needs. Featuring our flexible vinyl style chambers, the most cited chambers in all ASM Journals and Gloveless units. This year see our Quick Change Cuff System and Gas Infuser.

Curetis USA ....................2323
www.curetis.com
Curetis USA is focused on delivering fast, reliable and cost-effective molecular solutions to aid in diagnosing severe infectious diseases. Now cleared for use by the FDA, Curetis’ Unyvero™ system provides U.S. clinicians with rapid and critical information for the early detection of microorganisms and resistance markers associated with lower respiratory tract infections.

DenLine Uniforms, Inc. ..........3025
www.denlineuniforms.com
Manufacturer of DenLine Protection Plus® PPE fluid resistant lab coats. Designed to Protect Wearers from incidental splash of blood and OPIM. AAMI PB70 Barrier Level 2, suitable for BSL-2 Labs. Assists with OSHA Compliance. Breathable Fabric, Lint Free Fabric suitable for Molecular Testing. Anti-static, Stain Resistant to bleach all aqueous reagents. Available 5 colors, new black hides all visible stains (markers, pens), extends life, lowers replacement costs.

DeNovix Inc. ..................1212
www.denovix.com
DeNovix Inc. develops, manufactures and sells laboratory equipment for life science applications. Our stand-alone instruments include 1µL UV-Vis Spectrophotometers, Fluorometers and the DS-11 FX+ with 1µL UV-Vis, cuvette UV-Vis and Fluorescence combined. Instruments include an Android HD touchscreen interface and built-in Wi-Fi, Ethernet and USB.

DiaSorin Molecular, LLC ..........2123
molecular.diasorin.com
DiaSorin Molecular LLC manufactures and distributes molecular diagnostic products worldwide helping laboratories to streamline workflow and improve patient management. Our Simplexa® molecular menu includes kits for HSV-1 & HSV-2, Flu A/B & RSV, Group A Strep, C. difficile and Simplexa® controls. Our molecular menu also includes over 50 primer pairs and general purpose molecular reagents. All of our Direct assays require no sample extraction and provide results in about an hour. Simplexa® products are designed for use on the LIAISON® MDX, a real-time PCR instrument. The instrument has the capability of running either an 8 well or 96 well disc providing an ideal platform to accommodate low to high volume testing needs. This allows users to leverage the system’s flexibility and scalability to handle laboratory challenges. We are a vendor partner to hospitals and reference laboratories that provide value through sales, service and support solutions.

DNA Link, Inc. .....................3108
www.dnalinksqlab.com

DNASTAR .......................2701
www.dnastar.com
DNASTAR, Inc. is a global software company that has been meeting the needs of life scientists for over 30 years. Our Lasergene software package provides researchers around the world with accurate and intuitive data analysis solutions for molecular biology, structural biology, and genomics, helping them achieve their research objectives.

DOE Systems Biology Knowledgebase (KBase) ..........1311
kbase.us
The Department of Energy Systems Biology Knowledgebase (KBase) is a software and data platform designed to meet the grand challenge of systems biology: predicting and designing biological function. KBase integrates data, tools, and their associated interfaces into one unified, scalable environment, so users do not need to access them from numerous sources or learn multiple systems in order to perform sophisticated systems biology analyses.

Drummond Scientific ..............2718
www.drummondsci.com
Drummond specializes in ergonomic liquid handling products, namely pipet controllers, the Pipet-Aids, both portable and AC units. Our products are known for their reliability and our outstanding service capabilities.
Dynex Technologies, Inc. ..........2040  
www.dynex.com
Dynex® provides innovative ELISA instruments, including the breakthrough Agility® system with SmartKit® technology. From industry-leading DSX® and DS2® ELISA systems to the Agility, Dynex is the leader in automated microplate processing. In addition to these product offerings, Dynex is also proud to offer the new Dynex Multiplier with SmartPLEX Technology - the perfect platform for assay development in multiplex format. A unique option to transfer single well ELISA tests to multiplex format.

eLife ........................................725  
elifesciences.org
eLife aims to help scientists accelerate discovery by operating a platform for research communication that encourages and recognizes the most responsible behaviours in science. We publish important research in microbiology and all areas of the life and biomedical sciences, which is selected and evaluated by working scientists and made freely available online without delay. Learn more at https://elifesciences.org.

ELITechGroup  
Biomedical Systems .................2703  
www.elitechgroup.com
The ELITechGroup is a privately held group of worldwide manufacturers and distributors of in-vitro diagnostic instruments and reagents (clinical chemistry, microbiology and molecular biology). ELITechGroup Biomedical Systems specializes in clinical laboratory instruments including TB, Gram and Hematology Stainers, Cytocentrifuges, Osmometers, and instruments for sweat stimulation, collection and analysis. We are committed to serve laboratories with superior support customers can count on.

Elsevier Inc. .........................1000  
www.elsevierhealth.com
Elsevier is a world-leading provider of information solutions that enhance the performance of science, health, and technology professionals, empowering them to make better decisions, and deliver better care.

Embi Tec .........................3425  
www.embitec.com
Embi Tec provides molecular biology lab equipment, reagents, and consumables such as DNA electrophoresis systems, precast gels, microplate illuminators, DNA markers, and buffers.

Eppendorf ...............2519  
www.eppendorf.com
Eppendorf is a leading life science company that develops and sells instruments, consumables, and services for liquid-, sample-, and cell handling. This includes pipettes and automated pipetting systems, centrifuges, mixers, spectrometers, and thermal cyclers as well as ultra-low temperature freezers, fermentors, bioreactors, CO2 incubators, shakers, and cell manipulation systems. Consumables such as pipette tips, tubes, plates, and bioreactor vessels complement the range of premium products.

ESCMID - European Society of Clinical Microbiology and Infectious Diseases ...............2930  
www.escmid.org
Since its founding in 1983, ESCMID has evolved to become Europe’s leading society in clinical microbiology and infectious diseases with members from all European countries and all continents. For over 30 years, we have been an influential component in the professional lives of microbiologists and infectious disease specialists and now reach more than 7,000 individual and 30,000 affiliated members around the world. ESCMID, based in Basel, Switzerland, welcomes new colleagues from all nations.

Eurofins Pharma Discovery Services ..............2738  
www.eurofinsdiscoveryservices.com
Eurofins Pharma Discovery Services supports Drug Discovery through the combined expertise of Eurofins Discovery Services, Cerep, DiscoverX, Panlabs, and Villapharma. We offer a broad portfolio including: in vitro pharmacology products and services, cell-based phenotypic assays, chemistry services, ADME-Tox, in vivo drug safety and efficacy, custom proteins, and assay development services.

Evergreen Scientific/Caplugs ......1023  
www.evergreensci.com
Evergreen, a product line by Caplugs, is a market leading provider of plastic laboratory supplies, specializing in niche products that serve key industries including clinical chemistry, life sciences, and microbiology. In business for 40+ years, Evergreen utilizes injection molding manufacturing processes to produce an extensive catalog of tubes, vials, specimen containers, microplates & trays. Evergreen is a valued supplier known for high quality products and superior customer service.

Evotec .........................2733  
www.evotec.com
Evotec is a drug-discovery & development solutions company offering the life sciences industry a variety of ways to access innovative technologies & development expertise in a time efficient manner, as stand-alone or integrated projects & have the confidence that through creative deal making & high quality alliance & project management, their programmes are in safe hands. The Company has expertise in key therapeutic areas including inflammation & infectious diseases.
F1000 ............................................. 1224
f1000.com
F1000 works with Researchers, Funders and Institutions to improve the way research is communicated. Discover the articles of greatest relevance to you with F1000Prime. Explore F1000Workspace to work, share and write effortlessly with your colleagues across the globe. Submit to F1000Research to publish fast, openly and without restrictions.

FASEB - Federation of American Societies for Experimental Biology ........... 3122
www.faseb.org
The Federation of American Societies for Experimental Biology (FASEB) is the nation’s largest coalition of scientific societies representing biological and biomedical researchers from around the world. FASEB hosts a series of Science Research Conferences (SRC’s), develops and promotes policies in support of biological and biomedical sciences, publishes The FASEB Journal and FASEB BioAdvances, and provides training, mentoring, and networking resources to research professionals.

FiberCell Systems, Inc. ...................... 1324
www.fibersystems.com
FiberCell Systems supplies hollow fiber bioreactors for monoclonal antibody, recombination protein, and exosome production. 3-D models of tissue and parasite environments are also possible. The Hollow Fiber Infection Model (HFIM) is used to precisely mimic human antibiotic kinetics in a time-course dependent fashion to elucidate optimum bacteria killing, emerging bacterial drug resistance and multiple drug interactions resulting in improved clinical outcomes.

Food and Drug Administration, Recruitment ..................................... 2732
www.fda.gov/jobs
Are you looking to make an impact on the health of all Americans? Consider a career with the Food and Drug Administration (FDA), whose mission is to protect and advance public health by helping to speed innovations that provide our nation with safe and effective medical products.

Frontiers ............................................. 931
www.frontiersin.org/microbiology
Frontiers in Microbiology is a leading journal in its field, publishing rigorously peer-reviewed research across the entire spectrum of microbiology. Led by Martin G. Klotz, Washington State University and supported by an outstanding international Editorial Board, this multidisciplinary open-access journal is at the forefront of disseminating and communicating scientific knowledge and impactful discoveries.

Fujirebio U.S. ............................. 1941
www.fujirebio-us.com
Fujirebio is a global leader in the field of IVD with more than 50 years’ experience in the conception, development, production and worldwide commercialization of robust IVD products. These span the range from specialized testing to fully automated routine clinical laboratory testing solutions covering a variety of disease states.

GenePOC Inc. .................................. 1420
www.genepoc-diagnostics.com
Stop by GenePOC, a company located in Quebec City, which develops, produces and commercialises home-made molecular tests to improve infectious diseases diagnosis at Point-Of-Care. Based on a unique microfluidic technology, GenePOC PIEs are easy-to-use disposables to be used with the design awarded revogene instrument. Come to visit us to discover the power of the PIE, the disruptive revogene, and get more details on our GBS and CDiff assays, both newly FDA cleared!

Genetic Signatures ............................. 3423
www.geneticsignatures.com
Genetic Signatures US Ltd is a company committed to helping laboratories improve infectious disease testing through our patented 3base technology. Our novel chemistry allows for standardized workflow, is highly adaptable to common real time pcr instruments and is accompanied by a large menu of over 100 individual targets. Laboratories around the world are using 3base chemistry to help transform molecular diagnostics and improve patient outcomes.

GENEWIZ ..................................... 1302
www.geneviz.com
As a global leader in R&D genomics services, GENEWIZ leads the way in providing superior data quality with unparalleled technical support to enable researchers around the world to advance their scientific discoveries faster than ever before. A full-service provider, GENEWIZ provides Sanger DNA sequencing, gene synthesis, molecular biology, high throughput/next generation sequencing, bioinformatics, and GLP regulatory services.

GenMark Diagnostics ................. 2219
www.genmarkdx.com
GenMark Diagnostics is a leading provider of multiplex molecular diagnostic solutions designed to enhance patient care, improve key quality metrics, and reduce the total cost-of-care. GenMark's ePlex®: The True Sample-to-Answer Solution™ is designed to optimize laboratory efficiency and address a broad range of infectious disease testing needs, including respiratory, bloodstream, and gastrointestinal infections.

Georgetown University Department of Microbiology & Immunology .................. 1221
microbiology.georgetown.edu
The Department of Microbiology & Immunology from Georgetown University will be representing our three Master’s programs and one Ph.D. program: Ph.D. and M.S. in Microbiology & Immunology, M.S. in Biohazardous Threat Agents & Emerging Infectious Diseases, and M.S. in Biomedical Science Policy & Advocacy. We are under the Biomedical Graduate Education, located on the Medical Campus.
Gold Biotechnology, Inc. ..........3009
www.goldbio.com

Gold Standard Diagnostics ..........2833
www.gsdx.us
GSD provides comprehensive diagnostic solutions that improve lab efficiency and minimize overall costs, along with outstanding customer service. Our extensive assay menu includes autoimmune, infectious disease, and endocrinology tests, and our suite of instruments includes automation for immunoblot, ELISA, and Syphilis RPR testing. Let us help you bring your send-out tests in house, optimize your current testing workflow, improve your test results, and simplify your laboratory experience!

Hardy Diagnostics .................2623
www.hardydiagnostics.com
Hardy Diagnostics is an ISO 13485 certified manufacturer and supplier of microbiology and laboratory products. Hardy has two manufacturing sites in Ohio and California, and nine distribution centers nationwide. Featured Products: Carrot Broth One-Step for hemolytic Group B; AnaeroGRO, Ready-to-use Pre-Reduced Anaerobic Culture Media; HardyCHROM™ chromogenic culture media; QuickSlide™ Automated Gram Stainers; CRITERION™ Dehydrated Culture Media; Control Organisms; Rapid Test Kits and much more!

Harvard University Press ..........1935
www.hup.harvard.edu
Founded in 1913, Harvard University Press is the publisher of such classic works as John Rawls’s A Theory of Justice, E. O. Wilson’s On Human Nature, and Helen Vendler’s Dickinson, and continues to be a leading publisher of convergent works in the sciences, humanities, and social sciences. HUP’s publication program is driven by the belief that books from academic publishers are more essential than ever before for understanding critical issues facing the world today.

Hawaiian Moon .....................2800
www.aloecream.biz

Heidolph North America ..........1101
www.HeidolphNA.com
Heidolph North America’s focus is on providing unparalleled sales and support of premium lab equipment. Heidolph’s product lineup includes a full range of chemistry and biology tools designed to increase lab productivity. Quality without compromise is Heidolph’s commitment to you. Heidolph equipment is designed and made in Germany, backed by a 3-year warranty, and carries an average 10-year lifespan; making it a worthwhile investment.

HiMedia Laboratories Pvt. Ltd. ...1511
www.himediolabs.com
HiMedia is a global manufacturer of dehydrated culture media, cell culture media, and raw materials (bottles or bulk). Products include Peptones, Tryptones, Hydrolysates, Veg Peptones, Supplements, and Biochemicals. We have animal & non-animal, powder and granulated. Products available in North America from HiMedia Laboratories LLC, Tel: +1-484-734-4401, info@himediolabs.com, www.himediolabs.com, www.himediastore.com

Hologic, Inc. .......................2417
www.hologic.com
A global champion of women’s health, Hologic is an innovative medical technology company that enables healthier lives everywhere, every day through The Science of Sure: Clinical superiority that delivers life-changing diagnostic, detection, surgical and medical aesthetic products rooted in science and driven by technology.

iCube, Inc. .......................1732
www.icubate.com
iCube® developed arm-PCR, an innovative multiplex PCR technology, and iCube® 2.0, an open access business model, for use on the iC-System™ - a molecular diagnostic instrument. The integrated iC-System™ enables extraction, multiplexed amplification and detection in a closed, disposable cassette. Clinical and research possibilities are infinite.

IDbyDNA, Inc. .................1220
www.IDbyDNA.com
IDbyDNA is on a mission to enable the identification of any microbe, from any sample, anywhere in the world. Leveraging advanced genome science and cutting-edge search technologies, IDbyDNA is leading the transformation of infectious disease diagnosis. IDbyDNA develops and commercializes laboratory testing products that are more comprehensive and accurate to provide clinicians and their patients with more informative results than ever before, and in a clinically actionable turnaround time.

iFyber ..................1622
www.i fyber.com
iFyber offers research and development services for companies that operate at the interface of chemistry, microbiology, and material science. We work with organizations big and small in medical device, diagnostics, and antimicrobial industries among others. Let our team of skilled chemists and biologists creatively solve technical problems and collaboratively move your products through the product development cycle faster and smoother.

iGenomX .................1310
https://igenomx.com
iGenomX produces technology helping science improve sequencing output. iGenomX currently provides RipTide (TM) High-throughput DNA Library Prep. Requiring no Fragmentation, End Repair or A-Tailing. RipTide (TM) is configurable for GC content and size selection. All chemistry included to go from DNA to a sequencer ready library.

IHMA, Inc and
IHMA Europe Sàrl .................2413
www.ihma.com
IHMA provides a full suite of technical capabilities and domain expertise in all phases of antimicrobial drug development: drug discovery, clinical development, regulatory
approval and commercialization. IHMA is a premier provider of antimicrobial drug development studies. With laboratories in both the US and Europe, we partner with clients around the world in the biotechnology, pharmaceutical, and diagnostic industries.

Illumina, Inc. 2501 www.illumina.com

A global leader in DNA sequencing and microarray-based solutions, Illumina is dedicated to improving human health by unlocking the power of the genome. Illumina technology is responsible for generating more than 90% of the world’s sequencing data.* By empowering large-scale analysis of genetic variation and function, Illumina is enabling studies that were not imaginable just a few years ago, moving us closer to the realization of precision medicine.

ILÚM Health Solutions 2613 www.ilumhealthsolutions.com

ILÚM Health Solutions was created by Merck and shares the vision to improve health and well-being. Its platform, ILÚM Insight, is an ID platform and real-time information service supporting patient management decisions, quality programs, and better outcomes for your patients.

Immune Epitope Database & Analysis Resource (IEDB) 2705 www.iedb.org

The Immune Epitope Database and Analysis Resource (IEDB) is a free, online resource supported by NIAID. The IEDB (www.iedb.org) contains data on B and T cell epitopes for humans, non-human primates, rodents, and other animal species. Curation of peptidic and non-peptidic epitope data for infectious diseases (except HIV), allergens, autoimmune diseases, and transplantation is current and constantly being updated. The IEDB contains data from over 19,000 references and over 400,000 unique epitopes.

Implen, Inc. 3214 www.implen.com

Implen is a privately held corporation that is a leading supplier for spectroscopy instruments and consumables for the non-destructive analysis of ultra-low volume samples. The company focuses on biological, chemical, and pharmaceutical laboratories in industry and research.

Infectious Disease News & Healio.com by SLACK Incorporated 2704 www.healio.com/ID

INFECTION DISEASE NEWS is reporting LIVE at ASM Microbe! Follow the daily news and expert perspective. Explore videos, In the Journals Plus and more resources that are relevant to your practice. Register for FREE access at Healio.com/ID. Pick up your free issue of INFECTION DISEASE NEWS and HCV Next at our booth.

Infectious Disease Special Edition 1412 www.idse.net

Infectious Disease Special Edition is an annual compendium of educational reviews on the latest medical developments and practice guidelines relevant to infectious disease specialists, primary care physicians, pharmacists, nurses and others involved in the treatment of infectious diseases. Each issue offers a collection of review articles written by recognized experts. These reviews are designed to serve as a “one-stop” resource for clinicians.

Infectious Diseases Hub 2042 www.id-hub.com

Infectious Diseases Hub aims to provide up-to-date, essential research and information on all aspects of virology and microbiology, from bench to bedside. ID Hub aims to deliver the news, peer-reviewed articles, interviews and exclusive comment from KOLs on the areas that interest you, as well as providing easily-digestible multimedia content and a disease tracker to allow you to follow the latest disease outbreaks and related research.

Institute for Clinical Pharmacodynamics 3323 www.icpd.com

ICPD is world-recognized in the field of PK-PD and have pioneered the application of derived knowledge to drug development and commercialization. Our expertise ranges from the laboratory through the Phase 1 Unit, into Phase 2 through 4 to PK and PK-PD mathematical analyses to support regulatory and commercial efforts.

INTEGRA Biosciences 831 www.integra-biosciences.com

Here at INTEGRA Biosciences our ambition is to make pipetting more innovative but more importantly productive! It is our passion to work side by side with our customers to understand your liquid handling challenges and answer your needs with innovative products.

Interscience Laboratories Inc. 1030 www.interscience.com

For over 35 years, INTERSCIENCE has been providing high-quality equipment for microbiology, especially designed for quick and safe analyses in quality control. We offer a large range of products, from solid sample preparation to its final bacterial enumeration, for the food and agro-food, medical, cosmetic and pharmaceutical industries.

Jackson ImmunoResearch Laboratories, Inc. 3124 www.jacksonimmuno.com

Specializing in affinity-purified secondary antibodies (many adsorbed against other species) conjugated with Alexa Fluor®; DyLight™, and Cyanine fluorescent dyes; R-PE; and other detection ligands. Other products include anti-IgG, Light Chain specific for Western blotting after IP, Alexa Fluor® 680 and 790 for highly sensitive Western blots. ISO 9001:2008 registered.
Jetstream - Indiana University ................................ 3431
jetstream-cloud.org
Jetstream is NSFs first production cloud facility and is part of the NSF eXtreme Digital (XD) program. This infrastructure-as-a-Service platform supports hundreds of virtual machines and data volumes and enables on-demand access to interactive, user-configurable, computing and analysis capability. It is used by researchers, educators, software developers, and science gateway creators. Jetstream also seeks to democratize access to cloud capabilities and promote sharable, reproducible research.

Jeunesse Innovations .................................. 1211
www.elevareskin.com

JMI Laboratories ........................................ 2223
www.jmilabs.com
JMI Laboratories provides microbiology and molecular services to the pharmaceutical industry for the development of antimicrobials, specializing in surveillance monitoring for resistance, new drug development research to define the spectrum of activity of new agents, CLSI M23 QC and diagnostics studies, and central laboratory reference testing in support of clinical trials including genetic characterization of isolates utilizing next generation sequencing methods and analysis.

Karius, Inc ............................................. 1215
www.kariusdx.com
Karius is a life sciences company transforming infectious disease diagnostics with genomics. The Karius™ Test for microbial cell-free DNA provides clinicians with a comprehensive test capable of identifying more than 1,000 pathogens directly from a single blood draw. With this next-generation sequencing-based test for pathogen detection, Karius is helping clinicians to improve patient outcomes and enabling the industry to accelerate drug development.

Knobbe Martens ...................................... 2832
www.knobbe.com
Consistently ranked among the top intellectual property firms in the nation and worldwide, Knobbe Martens has over 275 lawyers and scientists nationwide and dedicates its practice to all aspects of intellectual property and technology law, including litigation. Knobbe Martens serves a diverse group of clients from multinational corporations to emerging businesses of all stages. More information about the firm can be found at www.knobbe.com.

Kuhner Shaker Inc ..................................... 1939
www.kuhner.com
Kuhner manufactures world-renowned laboratory and bench-top shakers and shaker incubators for life-science applications. From microplates to flasks and large scales, Kuhner shakers are respected as the absolute benchmark for quality, performance, flexibility and reliability (5 year standard warranty). All machines feature changeable orbit diameters and can include optional cooling, humidity, oxygen control, CO2 control and photosynthetic illumination are available.

Kurin, Inc ............................................. 1515
www.kurin.com
Contaminated blood cultures are costly for hospitals and patients. Kurin seamlessly diverts the initial aliquot of blood and any contaminants, into the Kurin Lock, allowing a more clinically relevant sample into the blood culture collection bottle. Kurin provides improved antibiotic stewardship and dramatic reductions in cost.

LabRoots, Inc ......................................... 2617
www.labroots.com
LabRoots is the leading scientific social networking website, offering top scientific trending news and premier educational virtual events and webinars. Contributing to the advancement of science through content sharing capabilities, LabRoots is a powerful advocate in amplifying global networks and communities.

Labx Media Group .................................... 1304
www.labxmediagroup.com
LabX Media Group is a worldwide information and marketing company that provides scientific intelligence and marketing solutions to researchers seeking to discover new ideas and approaches for their laboratories and connect with their peers to advance scientific research forward. Our brands include LabX; Lab Manager; The Scientist and Technology Networks. Stop by our booth to receive your free copies of Lab Manager and The Scientist.

Liofilchem, Inc ....................................... 1734
www.liofilchem.com
Liofilchem, Inc. located in Waltham, MA is the new US distribution center of Liofilchem, an Italian based manufacturer of diagnostics for microbiology, certified ISO 9001 and 13485, whose product ranges include MIC Test Strip, antibiotic discs, broth microdilution panels, culture media, bio-indicators and more, used in over 130 Countries.

List Biological Laboratories, Inc ................... 1425
www.listlabs.com
List Biological Laboratories produces bacterial toxins for research: anthrax, botulinum, pertussis, cholera, difficile, diphtheria, tetanus, staphylococcal and shiga toxins. Products include lipopolysaccharides (LPS), toxoids, antibodies, conjugates and virulence factors. Custom contract manufacturing services available for cGMP clinical trial materials. Researchers use to investigate disease models, microbiome, vaccines and live biotherapeutics.

Lucigen Corporation ............................... 2432
www.lucigen.com
Lucigen Corporation is working to improve people’s lives by providing quality products and services to life science and healthcare professionals. Lucigen offers products and services that enable life-science professionals to perform their research and testing more efficiently and effectively. The company has grown to manufacture and sell over 325 biomedical research products and services to customers worldwide.
Luminex Corporation .................. 1501
www.luminexcorp.com
Luminex Corporation is committed to creating innovative, breakthrough solutions to help our customers improve health and advance science worldwide. We serve the needs of our customers in diverse markets including clinical diagnostics, pharmaceutical drug discovery, biomedical research, genomic and proteomic research, and personalized medicine. Our goal is to transform global healthcare and life science research through the development, manufacturing, and marketing of proprietary instruments and assays that deliver cost-effective, rapid results to clinicians and researchers. For further information, please visit http://www.luminexcorp.com.

Lyse-It LLC ......................... 3005
www.lyse-it.com
Lyse-It™ is a rapid, low cost, revolutionary sample preparation technology, that simultaneously both Lyses cells and cuts DNA/RNA into known base-pair sizes in one single 30 sec step. Lyse-It™ can be used on any cell type, spore, virus or bacterium with the lysate typically directly usable for diagnostic applications, such as PCR, without further preparation steps. Please visit us at www.lyse-it.com

m2p-labs Microbioreactors ........ 3022
www.m2p-labs.com
m2p-labs microbioreactors (BioLector®) provide online monitored micro fermentation technology for screening and bioprocess development, thus increasing the number of microbial experiments as well as the information content. The biotechnology, chemical, cosmetic and pharmaceutical industry can conduct experiments (aerobic/microaerophilic/strict anaerobic) in a time- and cost-saving manner. The RoboLector® allows automated fermentation of the whole bioprocess.

MACHEREY-NAGEL Inc ........... 2802
www.mn-net.com
MACHEREY-NAGEL provides innovative, client-driven solutions for nucleic acid purifications, including plasmid and genomic DNA and RNA purification, cleanup, and concentration. Our protein purification products offer flexible advantages without sacrificing quality. With over 100 years of expertise, MN offers a complete product portfolio including Bioanalysis, Filtration, Rapid Tests, Water Analysis, and Chromatography.

Magnolia Medical Technologies ... 1932
www.magnolia-medical.com
Magnolia Medical Technologies is a medical device company that develops, manufactures and markets innovative blood and bodily fluid collection devices that significantly improve the accuracy, consistency and predictability of critical in vitro diagnostic (IVD) tests. The Steripath product significantly improves patient safety, care and experience; drive antimicrobial stewardship; and reduce hospital costs. For more information, visit www.magnolia-medical.com.

MacVector, Inc ....................... 1410
www.macvector.com
MacVector, Inc. develops powerful but easy to use Macintosh applications for Molecular Biologists to simplify and speed up the analysis, manipulation, assembly and documentation of DNA and protein sequences.

Macrogen Corp ....................... 1521
www.macrogenlab.com

Melinta Therapeutics ............... 1601
www.melinta.com
Melinta Therapeutics is dedicated to saving lives threatened by bacterial infections through the development and commercialization of novel antibiotics to provide new therapeutic solutions. We have an active research platform based on Nobel Prize-winning science and a powerful, proprietary drug discovery platform.

Merck & Company ................. 1621
www.merck.com
For more than a century, Merck has been inventing for life, bringing forward medicines and vaccines for many of the world’s most challenging diseases. Today, Merck continues be at the forefront of research to deliver innovative health solutions and advance the prevention and treatment of diseases that threaten people and animals around the world.
MetaSystems Group, Inc. ........2036
www.metasystems.org

MetaSystems, a global leader in automated slide scanning systems, offers innovative solutions for microbiology applications. The Metafer platform generates high quality images of whole slides or selected regions, across multiple specimen types. Network enabled and internet browser based image review provides efficient workflow. Automatic bar code reading and automatic oil dispersion, coupled with our high capacity slide loader (up to 800 slides), allows for complete 24/7 walk-away automation.

Microbiologics ......................2606
www.microbiologics.com

Microbiologics is the leading global provider of test ready biological controls. We offer over 900 quality control microorganisms in a variety of formats - qualitative viable cultures, inactivated pathogens, synthetic molecular standards and more! Microbiologics also offers all the controls you need for verification, validation, proficiency and QC of your instruments. Visit the Microbiologics booth to learn how we can help your laboratory meet accreditation regulations for quality control.

Microbiology International ........2039
www.800ezmicro.com

Microbiology International specializes in advanced laboratory instruments and EZ-media solutions to streamline and automate your lab’s processes: autoclaves, media preparation, plate pouring, prepared and powder media, MediaBoxTM sterile liquid solutions, pathogen detection, colony counters, spiral platers, serial diluters, anaerobic chambers, sample preparation equipment. Visit booth #2039 to discuss your needs.

Microbiome Insights ............... 1214
microbiomeinsights.com

From experimental design and sample collection to data analysis and bioinformatics, we collaborate with you and your team every step of the way. Our flexible end-to-end service supports your study design and collection workflows, diligent QA/QC, proven and standardized laboratory protocols, and highly comprehensive bioinformatic reporting and consultation. Our Services are: iTag Amplicon Sequencing, Shotgun Metagenomics, Quantitative PCR, Short Chain Fatty Acid Analysis, & Calprotectin Analysis.

MilliporeSigma ................. 1631
www.milliporesigma.com

MilliporeSigma is the U.S. life science business of Merck KGaA, Darmstadt, Germany, and has 19,000 employees and 72 manufacturing sites worldwide, with a portfolio of more than 300,000 products enabling scientific discovery. The company’s biochemical and organic chemical products and kits are used in scientific and genomic research, biotechnology, pharmaceutical development, the diagnosis of disease and as key components in pharmaceutical and other high tech manufacturing.

MiraVista Diagnostics, LLC ...... 3011
www.miravistalabs.com

MiraVista Diagnostics is a specialty reference laboratory committed to improved patient outcomes by developing highly accurate test solutions for the diagnosis of serious fungal infections. MiraVista specializes in the diagnosis of histoplasmosis, coccidioidomycosis, blastomycosis and aspergillosis by offering antigen and antibody testing options.

Moltox ..................................... 1209
http://moltox.com

Since 1986, Moltox has been manufacturing products for Research & Development, Quality Control as well as providing Custom Manufacturing for our customers’ unique needs. Moltox agars, buffers, and reagents are manufactured using high quality ingredients to ensure customer satisfaction. For all of your microbiology media needs, contact us directly or through one of our many distributors here in the US and around the world! Be sure to visit us, booth 1209 to learn how we can assist you too.

Motic Instruments, Inc.......... 1940
http://motic.com/am-en

Motic Instruments will feature its newest Panthera Series models of upright compound microscopes. Launching globally last year, the Panthera Series uses leading-edge technology to deliver superior images while simplifying the user experience. Motic will also feature its Moticam line of cameras with enhanced Wifi image sharing for routine-lab and educational applications.

MP Biomedicals .................... 2603
www.mpbio.com

MP Biomedicals sells 55,000 products featuring molecular biology products and FastPrep sample prep instruments, accessories and nucleic acid purification kits. We supply immunology and cell biology products, with antibodies, antigens, purified proteins, culture media and immunoassay reagents. We serve researchers worldwide with innovative tools and unparalleled service.

MPI Research — A Charles River Company ........2607
www.mpiresearch.com

MPI Research | A Charles River Company, is a leading early stage drug development CRO, providing discovery and preclinical services to the biopharmaceutical, medical device, animal health, and chemical industries. We are passionate about the mission of our Sponsors, the excellence of our science, and the quality of our studies.
Nabriva Therapeutics ............ 3015
www.nabriva.com
Nabriva is a biopharmaceutical company engaged in research and development of novel antibiotics to treat serious infections. Nabriva is developing lefamulin, as the first pleuromutilin for IV/oral administration in humans. Lefamulin is currently in Phase 3 development for the treatment of community-acquired bacterial pneumonia (CAPB) in adults. In September 2017, top-line data from the first of 2 trials demonstrated lefamulin met all primary FDA and EMA endpoints with favorable tolerability.

NASA Space Life Sciences .... 3115
www.nasa.gov
NASA space life sciences executes high quality, high value research which enables exploration to expand the frontiers of knowledge, capability, and opportunity in space. We are pioneering scientific discovery beyond Low Earth Orbit to drive advances in science, technology, and space exploration to enhance knowledge, education, innovation, and economic vitality. Come learn about grant funding opportunities for spaceflight research, postdoctoral fellowships, and student internships.

National Institutes of Health,
National Library of Medicine,
National Center for
Biotechnology Information .... 925
NCBI’s mission is to develop new information technologies to aid in the understanding of fundamental molecular and genetic processes that control health and disease. NCBI creates automated systems for storing and analyzing molecular biological, biochemical, and genetic data. NCBI provides access to databases and software for the research and clinical communities and coordinates national and international efforts to gather biomedical information.

National Jewish Health ......... 1319
www.njlabs.org

NCGS, Inc. ...................... 2806
www.ncgs.com

NCGS, Inc. is a full-service, global CRO. We have been in business for 34 years, have helped with 78 approved products, and have ZERO 483s or other warnings from the FDA, EMA, or other global agencies. We are a privately-held, WBENC Certified company offering our Sponsors only tenured teams with very low turnover, creating a level of collaboration that makes each clinical effort more quality based, thorough, timely and cost-effective.

Neutec Group Inc. ............ 2600
www.NeutecGroup.com

Neutec Group is a market leader in implementation of innovative technologies in the Quality Control and Research & Development laboratory. Our goal is to help our customers improve their laboratory workflow, productivity, efficiency and results. At ASM we will feature a few of our automated workflow solutions, such as: Agar & Tube Fillers and Media Preparators. Our Spiral Plater, Automatic Colony Counter, Water Activity Meters, and Single cell analysis/Flow Cytometer.

New England Biolabs, Inc. ...... 3012
www.neb.com

Newport Corporation ................ 1202
www.newport.com

Newport’s Corion Optical Filters and Replicated Optics are key enablers in a wide variety of biomedical instruments including RT-PCR Systems, Cytometers, DNA Analyzers, In-vivo Imagers, Microarray/Microplate Readers, Confocal and Epi-fluorescence microscopes, FTIR spectrometers, and many more. For more information, please visit our website at www.newport.com

Nikon Instruments Inc.......... 2030
www.nikoninstruments.com

Nikon Instruments Inc., leader in microscopes and microscopy software, will exhibit: Eclipse NiU, highly-versatile research microscope; Eclipse Ci clinical microscope featuring advanced ergonomics, ultra-bright LED illumination with minimal power consumption and long lamp lifecycle; world-renowned CFI60 optics providing the sharpest, clearest images and Digital Sight cameras for advanced collaboration/image sharing.

Northeast Laboratory Services .. 1415
www.ne labservices.com

Northeast Laboratory Services is a FDA registered manufacturer of prepared culture media. NEL offers culture media in bottles, plates, tubes, and vials as well as custom containers as requested. NEL contract manufacturers, private labels, as well as works with customers on custom formulations and R&D projects. NEL’s 45+ year history of manufacturing in a variety of formulations allows us to be a leader in the industry. NEL is also a full service accredited analytical testing laboratory.
NuAire ............................... 1125
www.nuaire.com
For more than 40 years, NuAire has been committed to bringing you the highest-quality, most dependable laboratory products on the market. As a NuAire customer, you can rely on us for outstanding value and dependable service - the cornerstones of our reputation as the leading provider of laboratory products internationally.

Olympus .................................. 1931
www.olympus-lifescience.com
Olympus is dedicated to your work, vision and science. Through innovation and service, we seek to aide in your discoveries, advance your research, and inspire you to explore new possibilities. Our wide range of imaging solutions are built with the optical excellence and proven application expertise you have come to expect and depend on. Let us be your partner in discovery. Stop by the Olympus booth today or visit www.olympus-lifescience.com.

Omega Bio-tek ......................... 1400
www.omegabiotech.com
Omega Bio-tek manufactures nucleic acid purification reagents for the life science community. With innovative and proprietary nucleic acid purification technologies, we offer solutions for clinical and basic research, diagnostics, biotechnology and agricultural applications. Our goal is to equip customers with high-quality products to improve their workflows whether using automation or processing manually.

Omni International, Inc. .......... 1118
www.omni-inc.com
Omni International’s homogenizers have been a laboratory staple for over 60 years. Omni sets the industry standard with a commitment to outstanding design, performance and a uniquely diversified solution-based product line. We offer a complete portfolio of homogenizers and reagents for sample preparation in pharmaceutical, life science, biotechnology, agricultural, microbiology and chemical research laboratories.

OpGen, Inc. ............................. 1635
www.OpGen.com
OpGen is harnessing the power of informatics and genomic analysis to protect patients against infectious diseases in hospitals and healthcare networks. Our Acuitas® rapid test (RUO) and Acuitas Lighthouse® (RUO) detect and track resistance to 9 antibiotic classes. Our FDA-cleared AdvandDx QuickFISH® products rapidly identify pathogens in positive blood cultures.

OPS Diagnostics ...................... 825
www.opsdiagnostics.com
OPS develops effective solutions to sample preparation and storage issues. We specialize in sample preservation and homogenization, including the development of bench-to-high throughput processes for end-users. We offer many unique products, including novel high throughput homogenization items, nucleic acid Isolation chemistries and lyophilization reagents.

Oxford Nanopore Technologies .......... 2905
nanoporetech.com
Oxford Nanopore Technologies has developed the world’s first nanopore DNA sequencer, the MinION. The MinION is a portable, real-time, long-read, low-cost device designed to bring easy biological analyses to anyone, whether in scientific research, education or real world applications such as disease/pathogen surveillance, environmental monitoring, food chain surveillance, self-quantification or microgravity biology.

Oxford University Press .............. 2707
global.oup.com
Oxford University Press is the proud publisher of the Federation of European Microbiological Societies (FEMS) and Infectious Diseases Society of America (IDSA) journals, the Journal of Antimicrobial Chemotherapy, and open access title Virus Evolution. Visit us at booth #2707 to browse discounted books, sign up for free email alerts, and enter a prize draw.

PacBio .................................. 3125
www.pacb.com
PacBio is the leader in long-read sequencing and your partner in microbial exploration. The PacBio® Sequel® System provides the most comprehensive view of genomes, metagenomes, and transcriptomes. Our Single Molecule, Real-Time (SMRT®) technology delivers long continuous reads with high consensus accuracy, delivering closed bacterial genomes and high-resolution views of metagenomes.

Paragon Genomics .................... 3110
www.paragongenomics.com
Paragon Genomics specializes in sample preparation for targeted next-generation sequencing (NGS). It develops and commercializes reagents and molecular diagnostic tools designed for genomics analysis of low-input and challenging samples. Our CleanPlex® ready-to-use and custom NGS panels combine superior primer design and innovative library preparation chemistry to eliminate non-specific PCR products and achieve maximum target design rate, robust coverage uniformity, and high on-target rate.

Paratek Pharmaceuticals, Inc. ...... 2712
paratekpharma.com
Paratek Pharmaceuticals, Inc. is a biopharmaceutical company focused on the development and commercialization of innovative therapies based upon its expertise in novel tetracycline chemistry. The Company’s lead product candidate, omadacycline, is an investigational new, once-daily oral and intravenous broad-spectrum antibiotic being developed for the treatment of serious community-acquired bacterial infections, including CABP, ABSSSI, and UTI.

PerkinElmer ......................... 3209
www.perkinelmer.com
PerkinElmer, Inc. is a global leader committed to innovating for a healthier world. With our proprietary nucleic acid isolation technology, fully integrated automated library prep, robust sequencing chemistries, sample quality
quantitation and visualization tools for analysis of complex sequencing data, we help you deliver top-quality samples for world-class genomics research from start to finish.

**Phase Genomics** 1315  
[www.phasegenomics.com](http://www.phasegenomics.com)  
Phase Genomics applies Hi-C and other proximity-ligation methods to enable chromosome-scale genome assembly, metagenomic deconvolution, as well as analysis of structural genomic variation and genome architecture. Founded in 2015, the company’s mission is to empower scientists with state-of-the-art genomic tools that will accelerate breakthrough discoveries. The company serves academic & commercial researchers in diverse fields and industries.

**Phoseon Technology** 1103  
[www.phoseon.com/lifesciences](http://www.phoseon.com/lifesciences)  
Since 2002, Phoseon Technology pioneered the use of LED technology for Life Sciences and Industrial Curing. Through our relentless innovation, we deliver high performance, reliable and patented LED based solutions. Our strong focus on customer collaboration has resulted in world-wide market leadership position and presence. We uniquely focus 100% on LED technology therefore ensuring superior reliability, business economics, and environmental benefits.

**PLAS-LABS, Inc.** 2913  
[www.plas-labs.com](http://www.plas-labs.com)  

**PLOS (Public Library of Science)** 1522  
[www.plos.org](http://www.plos.org)  
PLOS (Public Library of Science) is a nonprofit Open Access publisher, innovator and advocacy organization dedicated to accelerating progress in science and medicine by leading a transformation in research communication. The PLOS suite of influential journals contain rigorously peer-reviewed Open Access research articles from all areas of science and medicine.

**POCARED Diagnostics** 2231  
[www.pocared.com](http://www.pocared.com)  
POCARED Diagnostics Ltd. is an in-vitro diagnostic company revolutionizing infectious-disease diagnosis and practice with our CULTURE-FREE Microbiology® Solution. Our technologies provide results in minutes and organism recovery and viability second to none. The P-1000™ System: Why wait for Growth. POCARED™ stands unique in its ability to assist in optimizing antibiotic stewardship, patient care and laboratory efficiency.

**Pro-Lab Diagnostics** 1618  
[www.pro-lab-direct.com](http://www.pro-lab-direct.com)  
Pro-Lab Diagnostics’ mission is to deliver today, and research for tomorrow. This is accomplished through extensive onsite research and development, leading to the manufacture of high quality and cost effective immunodiagnostic reagents. Come visit us to see our Microbank, Prolex Agglutination kits, Micro essentials, extensive lab equipment, and much more. Pro-Lab Diagnostics also specializes in OEM (private label) packaging and welcomes new business opportunities.

**Promega Corporation** 3121  
[www.promega.com](http://www.promega.com)  
As Promega enters its 40th year of serving the scientific community with innovative high value products across multiple areas of expertise, Promega Corporation understands that today’s micro and molecular biology researchers’ scientific challenges require creative solutions. Stop by booth #1321 to learn more about successful approaches and tools for enabling your research.

**Puritan Medical Products Co., LLC** 2513  
[www.puritanmedproducts.com](http://www.puritanmedproducts.com)  
Puritan, founded in 1919, is the leading US manufacturer of tipped applicators and transport devices for specimen collection. You will find fiber, foam and Puritan’s patented PurFlock Ultra® and HydraFlock® flock swabs in this broad line. Liquid and semi-solid, traditional and custom transport media products - now including PurSafe® DNA/RNA preservation solution – complete Puritan’s offering for the collection of bacterial, viral, fungal and molecular specimens. A family owned business.

**QIAGEN** 2117  
[www.qiagen.com](http://www.qiagen.com)  
As the world’s leading provider of complete Sample to Insight solutions that unlock valuable molecular information, QIAGEN offers a broad range of products that address the diverse needs of our global customers. Our portfolio addresses needs in molecular microbiology, immunology & infectious disease research & diagnostics, & covers every workflow step, from sample stabilization to results interpretation. QIAGEN tools help researchers uncover the secrets of the invisible world.

**Q-linea AB** 922  
[www.qlinea.com](http://www.qlinea.com)  
Q-linea develops and delivers preferred solutions for healthcare providers, enabling them to accurately diagnose and treat infectious disease in the shortest possible time. Within three to six hours, ASTar™ delivers phenotypic antimicrobial susceptibility profiles with true MIC results directly from positive blood cultures and against a panel of up to 48 antimicrobials. ASTar™ also combines fully-automatic operation with exceptional throughput, up to 50 patient samples per day.

**Quest Diagnostics** 3104  
[www.QuestDiagnostics.com](http://www.QuestDiagnostics.com)  
Quest Diagnostics empowers people to take action to improve health outcomes. Derived from the world’s largest database of clinical lab results, our diagnostic insights reveal new avenues to identify and treat disease, inspire healthy behaviors and improve health care management. We serve half of the physicians and hospitals in the United States. QuestDiagnostics.com.
Qvella Corporation ...............2801
www.qvella.com
Qvella’s mission is to improve septic patient outcomes and save lives. Our FAST-ID™ BSI Panel test has the potential to provide pathogen identification in a clinically relevant timeframe to impact initial treatment decisions, with fully-automated detection of over 80 pathogens direct from whole blood in under an hour*. *The FAST-ID™ BSI Panel system is under development and not approved for sale. The performance characteristics have not been established.

RealTime Laboratories ...........2434
realtimelab.com
RealTime Laboratories, a wholly owned subsidiary of AdvaTect Diagnostics. Is a CAP certified clinical laboratory and a CLIA accredited and certified laboratory, specializing in the testing of environmental and clinical samples for mold and toxic Mycotoxins produced by mold.

Research in Germany ...............830
www.research-in-germany.org
“Research in Germany” provides information on research and career opportunities in Germany. This joint, government-funded initiative by the International Bureau of the BMBF includes the Alexander von Humboldt Foundation, the German Academic Exchange Service, the German Research Foundation and the Fraunhofer-Gesellschaft. Whether you want to go to graduate school, do a postdoc, establish a research group, or spend a sabbatical in Germany, we have funding programs for all career stages.

Roche Diagnostics Corporation ... 2005
go.roche.com/molecular
Roche touches the entire spectrum of diagnostics. Our focus is doing now what patients need next by delivering innovative healthcare solutions across a diverse area of testing needs from Point of Care testing to Microbiology and Core Molecular Laboratories. See how we can transform testing together.

Royal Society Publishing ........2835
https://royalsociety.org/Journals
The Royal Society publishes high-quality, peer reviewed journals. Nine of our journals cover the full breadth of the biological, physical and cross-disciplinary sciences and Notes and Records is dedicated to the history of science. We support open access publishing as part of our commitment to the widest possible dissemination of research. Two of our journals, Royal Society Open Science and Open Biology, are fully open access.

rqmicro AG ......................1205
www.rqmicro.com
rqmicro AG enables you to isolate and detect microorganisms (e.g. Legionella) from water samples in less than 2 hours. The cartridge based microfluidic system employs immunomagnetic separation and single cell counting to generate state of the art results. Results correlate to the cultivation method with higher sensitivity and minimal standard deviation. The method also supports viability assessment and quantification viable but non-culturable cells. www.rqmicro.com

RTLGenomics ...................3123
www.rtlgenomics.com
RTLGenomics is a full service Next Generation sequencing, bioinformatics, and biostatistics provider. Offering premium, certified services at a competitive price.

Sarstedt, Inc. .....................1325
www.sarstedt.com
Sarstedt is a worldwide provider of laboratory consumables, specimen collection products, medical devices and instrumentation. Products for microbiology include Petri Dishes, swabs, inoculation loops, and general labware, as well as benchtop instruments. Ask about our DishRack for easy handling and organization of Petri Dishes.

Sartorius Corporation ...........2702
www.sartorius.us
Lab work is complex and demanding: Despite repetitive analytical routines, lab staff must perform each step in a highly concentrated way to obtain reliable and accurate results. Sartorius helps them excel with products, such as laboratory balances, pipettes and lab consumables, that simplify workflows and reduce physical workloads.

Science/AAAS ..................1424
www.sciencemag.org
Since 1848, AAAS and its members have worked together to advance science and serve society. As part of these efforts, AAAS publishes <i>Science</i>, a multidisciplinary peer-reviewed journal, Science Advances, an open-access online journal, and several other online journals. AAAS also offers programs focused on science policy, international cooperation, science education, diversity, and career development for scientists.

Scientific Device Laboratory Inc. ..........2331
www.scientificdevice.com
Scientific Device Laboratory combines expertise in microbiology, manufacturing, and the complex specialty of printing and coating microscope slides to find simple solutions to everyday problems in the lab. In an industry dominated by giants, we are immensely proud to be a flexible, innovative and customer responsive small company, committed to providing products that help you do what you need to do, better. Stop by our booth to get more information on our time-saving laboratory innovations!

Scientific Industries, Inc. ..........1113
www.scientificindustries.com
Seegene Technologies .......... 1416
www.seegene.com
Seegene Technologies uses proprietary multiplex PCR technologies, DPO™, TOCE™ and MuDT™, to provide 25-plex semi-quantitative and 10-plex quantitative real-time PCR assay solutions. With unparalleled sensitivity and specificity, our catalog and custom assays simultaneously detect an unprecedented number of targets including infectious viruses, bacteria and other relevant pathogens and mutations.

SHEL LAB (Sheldon Manufacturing, Inc.) .......... 1406
www.shellab.com

Shionogi ......................... 1100
www.shionogi.com/contact.html

Southern Research ................. 1741
www.southernresearch.org/drug-development
The Southern Research Drug Development Division provides nonclinical efficacy and toxicity evaluation and clinical trial support services for anti-infective and anti-cancer therapeutics and prophylactics. Our internationally recognized team of dedicated scientists provides expertise and services spanning from basic research to advanced, IND-enabling studies conducted in accordance with FDA GLP regulations.

Specific Diagnostics ............... 2807
www.specifictdx.com
Specific’s Reveal AST/ID system delivers phenotypic antimicrobial susceptibility testing (AST) and identification in an average of 4 hours, directly from positive blood culture. Reveal AST/ID provides minimum inhibitory concentration (MIC) results, wide antimicrobial coverage, and identification of species responsible for bloodstream infections. Sample preparation is just a simple dilution of a positive blood culture fluid. The Reveal AST assay is based on a standard 96 well microplate.

SPEX SamplePrep ................. 1308
www.spexsampleprep.com
The SPEX SamplePrep Geno/Grinder® is a high throughput homogenizer and cell lyser for plant tissue, it is designed for fast and effective DNA or pesticide extraction. For temperature sensitive samples such as RNA or proteins, Kryo-Tech accessories are available. Samples are homogenized in titer plates or sample tubes up to 50mL. Our Freezeer/Mills® are designed for cryogenic grinding of tough or fibrous plant samples. Samples are ground in sealed vials minimizing cross contamination.

Springer Nature .................. 1020
www.springernature.com
Springer Nature is one of the world’s leading global research, educational and professional publishers, home to an array of respected and trusted brands providing quality content through a range of innovative products and services. Springer Nature is the world’s largest academic book publisher and numbers almost 13,000 staff in over 50 countries. www.springernature.com

SSI Diagnostica A/S ............. 1831
www.ssidiagnostica.com
SSI Diagnostica A/S develops, produces, and sells in vitro diagnostic products mainly within clinical microbiology, as well as products to the vaccine industry, veterinary diagnostics, food control, environmental and hygiene control, and quality control. Our products are sold worldwide to hospital laboratories, reference centers, general practitioners, dentists, veterinarians, pharma and diagnostic companies, and distributors.

Stirling Ultracold ................. 3120
www.stirlingultracold.com
Stirling Ultracold Ultra-Low Temperature (ULT) freezers are developed and manufactured by Global Cooling, Inc. in Athens, OH, a HUBZone-certified business operating in a Zero Waste-certified facility. Stirling Ultracold ULT freezer products feature the industry’s first reliable cooling technology, using the free-piston Stirling engine.

Streck ....................... 2706
www.streck.com
Streck develops and manufactures hematology, immunology and molecular biology products for clinical and research laboratories. Innovative products include real-time PCR test kits for the detection of Gram-negative Beta-lactamase gene families, and PhilisaFast®, a hot-start PCR enzyme specifically formulated for rapid thermal cycling.

Systec GmbH ................. 2047
www.systec-lab.com
Systec is a manufacturer of laboratory sterilizers, autoclaves, media preparators and dispensing devices for liquid media & microbiological culture media. Systec develops & manufacturers, certified according to ISO 9001 & ISO 14001, a wide range of product for the modern laboratory, science & Research as well as biotechnology, pharacy, Quality Control and production. Choose from more than 70 different types of autoclaves, with chamber volumes ranging from 23 to 1580 liters, universal installation options as a vertical top-loading or horizontal bench-top autoclave and numerous other features. We are happy to work with you to configure the optimal autoclave in terms of size and process technology, so that you can perform your sterilization process safely, precisely, reproducibly and in a validatable way. Put your trust in more than 20 years of expertise in the fields of steam sterilization and process development, even of the most complex autoclave technologies.
T2 Biosystems, Inc. .................. 1731
www.t2biosystems.com

At T2 Biosystems, our mission is to improve patient management by empowering clinicians to get patients suspected of bloodstream infections on the right therapy faster than ever before. Our blood culture-independent tests accurately identify pathogenic organisms associated with sepsis in 3-5 hours, while blood culture-dependent tests can take 1-5 or more days. T2Candida® Panel is the first FDA-cleared test that identifies these organisms directly from a whole blood sample. The T2Bacteria® Panel is currently under review with the FDA and is CE Marked in the EU and other countries that accept the CE Mark. Both tests run on the T2Dx® Instrument and are helping get patients on the right therapy faster, improve patient outcomes, advance stewardship, and reduce the cost of patient management. We have a strong pipeline of products in development for pathogen identification, including bacterial resistance panels and swab testing for the superbug Candida auris, and a Lyme disease panel.

Tecan ......................... 3020
www.tecan.com

Tecnacore is a biotechnology company that develops & commercializes highly innovative technologies for molecular & immuno-detection of infectious diseases & biological warfare threat agents. We offer field portable tests, reagents, lateral flow assays (LFA) & readers, dried down real-time PCR assays, real-time PCR device T-COR 8™ & veterinary diagnostics reagents.

Tetracore, Inc. ................. 1225
www.tetracore.com

Tetracore is a biotechnology company using its innovative technologies for molecular & immuno-detection of infectious diseases & biological warfare threat agents. We offer field portable tests, reagents, lateral flow assays (LFA) & readers, dried down real-time PCR assays, real-time PCR device T-COR 8™ & veterinary diagnostics reagents.

Tetracore Pharmaceuticals...... 3221
www.tphase.com

Tetraphase is a clinical-stage biopharmaceutical company using its proprietary chemistry technology to create novel antibiotics for serious and life-threatening bacterial infections, including those caused by many of the multidrug-resistant (MDR) bacteria highlighted as urgent public health threats by the WHO and CDC.

Tetracore Pharmaceuticals...... 3221
www.tphase.com

Tetraphase is a clinical-stage biopharmaceutical company using its proprietary chemistry technology to create novel antibiotics for serious and life-threatening bacterial infections, including those caused by many of the multidrug-resistant (MDR) bacteria highlighted as urgent public health threats by the WHO and CDC.

The Jackson Laboratory ........... 2140
www.jax.org/postdoc

The Jackson Laboratory is seeking outstanding Postdoctoral Associates to join our basic-science research faculty in Bar Harbor, Maine, and Farmington, Conn and contribute to our important mission of discovering precise genomic solutions for disease and empowering the global biomedical community in our shared quest to improve human health. Accelerate your future at a world-class nonprofit biomedical research institution with a legacy of innovation and discovery in genetics and genomics. Join us.

Thermo Fisher Scientific ........ 1822
www.thermofisher.com

Thermo Fisher Scientific supplies innovative solutions for the world’s clinical, academic and pharmaceutical/biotech industries. Through our Thermo Scientific and Applied Biosystems brands with applications that span the microbiological processes – from microbial identification to susceptibility and genetic analysis – we provide a broad range of products and services including sample handling, sample preparation, sample analysis, reagents and consumables and laboratory automation.
Tianjin Era Biology Technology Co., Ltd. .......... 1112
www.era-bio.com
Era Biology started business operation in 1997. As one of the leaders of invasive fungal disease diagnosis around the world, Era Biology offers clinical diagnostic products including (1-3)-β-D-Glucan Test, Endotoxin Test, Aspergillus galactomannan test, Cryptococcal antigen test and in vitro diagnostic device. In the past few years, Era biology has passed the authentications of CMD ISO 9001 and ISO 13485, and has most products certificated by CE and FSC. Our goal is innovation for better health.

TIB MOLBIOL, LLC .. 824
www.tib-molbiol.com
TIB MOLBIOL has been a leading provider of oligonucleotides since 1990. As an ISO 9001 and ISO 13485 certified company, TIB MOLBIOL is dedicated to supplying top quality products. Our product specialty is oligonucleotide synthesis and design. TIB offers products & services such as: Oligonucleotide synthesis, Custom Assay Design, LightMix & Modular Dx kits, LightSNiPs for target SNPs, ASRs, Troubleshooting, Assay optimization Offices are located worldwide in USA, Germany, Italy, Spain & Poland.

Tomocube .................................. 1200
www.tomocube.com

TOYOBO .................................. 1320
www.toyobousa.com

Transpharm Preclinical Solutions .................. 3107
www.transpharmsite.com
TransPharm provides in vivo modeling of antimicrobial chemotherapeutics against both Gram positive and Gram-negative organisms. All standard murine and rat bacterial models, such as lung, sepsis, soft tissue, urinary tract and other infections are run by our organization. We also have numerous viral, fungal and parasite models available. TransPharm is an AAALAC accredited facility and also registered with the Office of Laboratory Animal Welfare (OLAW), Assurance #A4747-01. Our only focus is Infectious Disease research and I believe no one can compete with us in regards to passion for the need for this research or match our competitive rate.

U.S. Dept. of Energy Genomic Science Program ........ 1414
genomicscience.energy.gov
U.S. Department of Energy (DOE) Office of Science Biological and Environmental Research Program seeks to understand the biological, biogeochemical, and physical principles needed to comprehend fundamentally and be able to predict the processes occurring at scales ranging from the molecular and genomics-controlled smallest scales to environmental and ecological processes at the scale of planet Earth in support of DOE missions in energy and infrastructure security, independence, and prosperity.

University of California, Irvine National BSL-3 Training Program ............. 3006
som.uci.edu/bsl3-training
The University of California, Irvine (UCI) School of Medicine operates an internationally recognized BSL-3 laboratory training program offering comprehensive biosafety and biosecurity training emphasizing biorisk assessment and management. Integrated classroom and practical training for laboratory workers, biosafety professionals, facilities management personnel, and emergency first responders is provided at our fully functional and equipped BSL-3 laboratory training center or on-site locations.

University of Maryland, Institute for Genome Sciences .......... 3224
www.igs.umaryland.edu/resources
The Genomics and Informatics Resource Centers at the Institute for Genome Sciences offer cutting-edge, high-throughput sequencing and analysis services. We use a sophisticated LIMS, multiple sequencing platforms, and customized assembly, annotation, variant detection, and comparative analysis pipelines to deliver the highest quality genomic, metagenomic, transcriptomic, and epigenomic data.

University of Washington ............... 3007
www.depts.washington.edu/labweb

US FDA .......................... 923
www.fda.gov/Food/FoodScienceResearch/WholeGenomeSequencingProgramWGS/default.htm
The Food and Drug Administration is responsible for protecting the public health by ensuring the safety, efficacy, and security of human and veterinary drugs, biological products, and medical devices; and by ensuring the safety of our nation’s food supply, cosmetics, and products that emit radiation.

Vista Technology Inc. ........... 1930
www.vistatechnology.com
The new ISOPLATER 180i, is an AUTOMATIC PETRI DISH STREAKING MACHINE. It will load, streak and stack up to 180 pre inoculated petri dishes per hour. Automated spreading yeilds cost savings, higher productivity, improved isolation, standardization, and personnel safety. 25 years proven performance and over 1 Billion petri dishes streaked.

W. W. Norton ..................... 1933
www.wwnton.com
The oldest and largest publishing house owned wholly by its employees, W. W. Norton, Inc. publishes about 400 trade, college, and professional titles each year.
Wiley ........................................ 1019
www.wiley.com
Wiley, a global company, helps people and organizations develop the skills and knowledge they need to succeed. Our online scientific, technical, medical, and scholarly journals, combined with our digital learning, assessment and certification solutions help universities, societies, businesses, governments, and individuals increase the academic and professional impact of their work.

Wolters Kluwer Health ............. 1201
www.lww.com
Wolters Kluwer Health is a leading global provider of information and point of care solutions for the healthcare industry. Our solutions are designed to help professionals build clinical competency and improve practice so that healthcare organizations can succeed in value-based care delivery models. Product solutions include Lippincott, Ovid®, and UpToDate®

ZERO GRAVITY SKIN .......... 2921
www.zerogravityskin.com

Zymo Research Corp. .......... 2931
www.zymoresearch.com
Since 1994, Zymo Research has been offering innovative, quality, and easy-to-use tools for Epigenetics research and DNA/RNA purification. As “The Epigenetics Company” Zymo Research is an industry leader in epigenetic product and service development. Our products are well known for their quality, affordability, efficiency, and unparalleled technical and customer support.
Panther is evolving.
Adding PCR capabilities to the proven TMA technology on our fully automated, sample-to-result system.

Consolidate Your Assay Menu

STIs | VIROLOGY* | RESPIRATORY

Panther® System

- Aptima Combo 2® assay
- Aptima® Trichomonas vaginalis assay
- Aptima® HPV assays
- Aptima® HSV 1 & 2 assay

Panther Fusion® System

- Panther Fusion® Flu A/B/RSV assay
- Panther Fusion® AdV/hMPV/RV assay
- Panther Fusion® Paraflu assay
- Panther Fusion® GBS assay† - Coming Soon

* The Aptima HBV Quant assay is not FDA cleared to run on the Panther Fusion system.
† The Panther Fusion GBS assay is under development and not for sale.

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