Wednesday, February 26, 2020

PUBLIC MEETING
9:00 am – 4:30 pm
Great Hall, Hubert H. Humphrey Bldg.

9:00 am – 9:10 am  WELCOME AND OVERVIEW OF DAY
Martin Blaser, Chair
Lonnie King, Vice Chair

ROLL CALL AND RULES OF ENGAGEMENT
Jomana Musmar, Designated Federal Officer

9:10 am – 9:25 am  OPENING REMARKS – MEMBER SWEAR-IN AND APPRECIATION
Rear Admiral Erica G. Schwartz, Deputy Surgeon General

KEYNOTE SPEAKER
Eric D. Hargan, Deputy Secretary

9:25 am – 9:55 am  PATIENT AND STAKEHOLDER STORIES
Marshall Bartlett, Home Place Pastures
Christina Fuhrman, patient advocate
Mary Millard, patient advocate
Chris Romm, patient advocate

9:55 am – 10:10 am  COUNCIL DISCUSSION (COUNCIL Q&A ONLY)

10:10 am – 11:40 am  PANEL 1: Innovation in an Era of Stewardship
Moderator – Helen Boucher, Council Member

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>10:10</td>
<td>The Role of Stewardship in Optimizing the Use of New Agents</td>
<td>Sara Cosgrove, Council Member</td>
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<td>10:30</td>
<td>CMS Overview of Rule Changes to Promote Antimicrobial Stewardship Programs and Next Steps</td>
<td>Scott Cooper and Michael Treitel, Centers for Medicare and Medicaid Services</td>
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10:40 – 10:50 Urgent Need for Novel Incentives in a Broken System
Emily Wheeler, Antimicrobials Working Group

10:50 – 11:00 Merck’s Approach to Antibiotic Stewardship
Elizabeth Hermsen, Merck & Co., Inc.

11:00 – 11:40 COUNCIL DISCUSSION (COUNCIL Q&A ONLY)

11:40 pm – 12:50 pm LUNCH (session to start promptly at 1:00 pm)

1:00 pm – 2:30 pm PANEL 2: Innovations in Prevention and Diagnostics
Moderator – Angela Caliendo, Retiring Council Member

1:00 – 1:10 Current Research Pipeline for Vaccines and Diagnostics
Kent Kester, Council Member

1:10 – 1:20 Vaccine Pipeline for Prophylactic Antimicrobial Resistance Prevention
Jan Poolman, Janssen, a Johnson and Johnson Company

1:20 – 1:30 Vaccines and Innovations in Facility Infection Control to Prevent Neonatal Sepsis
Padmini Srikantiah, Bill and Melinda Gates Foundation

1:30 – 1:40 Host-Based Solution to Addressing Antibiotic Misuse
Richard Rothman, Johns Hopkins University, School of Medicine

1:40 – 1:50 Rapid Diagnostics Using Artificial Intelligence
Kwangmin Son, PhAST Corp.

1:50 – 2:30 COUNCIL DISCUSSION (COUNCIL Q&A ONLY)

2:30 pm – 2:40 pm SHORT BREAK

2:45 pm – 4:00 pm PANEL 3: Disease Prevention and Management in Animals
Moderator – Aileen Marty, Council Member

2:45 – 2:55 Challenges in Animal Agriculture Antimicrobial Stewardship Programs
Locke Karriker, Council Member

2:55 – 3:05 Precision Technology Opportunities to Enhance Animal Health
Justin Sexten, Performance Livestock Analytics

3:05 – 3:15 Applications of Next Generation Sequencing to Inform Disease Management Decisions for Livestock
Maria Clavijo, Iowa State University Veterinary Diagnostic Laboratory; Genus PIC

3:15 – 3:25 Innovations in Animal Feed (Additives)
Leon Marchal, DuPont & Wageningen University

3:25 – 4:00 COUNCIL DISCUSSION (COUNCIL Q&A ONLY)

4:00 pm – 4:20 pm PUBLIC COMMENT

4:20 pm – 4:30 pm FINAL COMMENTS AND ADJOURN
Martin Blaser, Chair
Lonnie King, Vice Chair
# Public Meeting

**Thursday, February 27, 2020**

**PUBLIC MEETING**  
9:00 am – 4:05 pm  
Great Hall, Hubert H. Humphrey Bldg.

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<tr>
<th>Time</th>
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| 9:00 am – 9:05 am | **ROLL CALL**  
  *Jomana Musmar, Designated Federal Officer* |
| 9:05 am – 9:25 am | **Centers for Disease Control and Prevention Antibiotic Resistance Threat Report**  
  *Michael Craig, Centers for Disease Control and Prevention* |
| 9:25 am – 10:40 am | **PANEL 4: New Insights on the Changing Antimicrobial Resistance Landscape**  
  **Moderator – Elaine Larson, Council Member**  
  - **9:25 – 9:35**  
    *The Collective Antibiotic Resistance Landscape through a One Health Lens*  
    *Paula Cray, Council Member*  
  - **9:35 – 9:45**  
    *Microbiome Research in the Pre-Antibiotic Age*  
    *Anna Dhody, Mütter Research Institute*  
  - **9:45 – 9:55**  
    *Penicillin Allergy Testing as a Component of Antimicrobial Stewardship*  
    *David Khan, American Academy of Allergy, Asthma and Immunology*  
  - **9:55 – 10:05**  
    *Antimicrobial Resistance and Environmental Hotspots*  
    *Randy Singer, University of Minnesota* |
| 10:05 – 10:40 am | **COUNCIL DISCUSSION (COUNCIL Q&A ONLY)** |
| 10:40 am – 10:50 am | **SHORT BREAK** |
| 10:55 am – 12:05 pm | **PANEL 5: The Gut Microbiome and Antimicrobial Resistance**  
  **Moderator – Mike Apley, Council Member**  
  - **10:55 – 11:05**  
    *Microbiome Health*  
    *Martin Blaser, Council Member*  
  - **11:05 – 11:15**  
    *Novel Small Molecule Antibiotic Targeting C. difficile*  
    *Urs Ochsner, Crestone*  
  - **11:15 – 11:25**  
    *Non-antibiotic Strategies to Modify the Microbial Population of Dairy Cattle: Impacts on Milk Production, Animal Health and Food Safety*  
    *Todd Callaway, University of Georgia*  
  - **11:25 – 11:35**  
    *Microbiome Therapeutics as a Novel Approach to Treat Infectious and Inflammatory Diseases*  
    *Matthew Henn, Seres Therapeutics* |
| 11:35 – 12:10 am | **COUNCIL DISCUSSION (COUNCIL Q&A ONLY)** |
| 12:10 pm – 1:10 pm | **LUNCH (session to start promptly at 1:15 pm)** |
| 1:15 pm – 2:25 pm | **PANEL 6: Future Demands on Food Production**  
  **Moderator – Tiffany Lee, Council Member**  
  - **1:15 – 1:25**  
    *Population Growth and Demands on Food*  
    *Ramanan Laxminarayan, Council Member* |
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<tr>
<td>1:25 – 1:35</td>
<td><strong>Antibiotic Consumption in Animals - A Reporter’s Perspective</strong></td>
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<td><em>Jason Gale, Bloomberg</em></td>
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<td>1:35 – 1:45</td>
<td><strong>Sustainability of Seafood Systems</strong></td>
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<td><em>Michael Tlus, University of Massachusetts Boston</em></td>
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<td>1:45 – 2:15</td>
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<td>2:15 pm – 2:25 pm</td>
<td><strong>SHORT BREAK</strong></td>
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<td>2:30 pm – 3:40 pm</td>
<td><strong>PANEL 7: The Increased Demand for Aquaculture Protein</strong></td>
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<td><strong>Moderator – Alice Johnson, Council Member</strong></td>
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<td>2:30 – 2:40</td>
<td><strong>Aquaculture Overview</strong></td>
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<td><em>David White, Council Member</em></td>
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<td>2:40 – 2:50</td>
<td><strong>Certification Standards for Antibiotic-Free Seafood</strong></td>
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<td><em>Sebastian Belle, Maine Aquaculture Association</em></td>
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<td>2:50 – 3:00</td>
<td><strong>National Antimicrobial Resistance Monitoring System Seafood Pilot Program</strong></td>
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<td><em>Patrick McDermott, U.S. Food and Drug Administration</em></td>
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<td>3:00 – 3:30</td>
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