

PACCARB

Presidential Advisory Council on Combating Antibiotic-Resistant Bacteria

January 30 – 31, 2019

Wednesday, January 30, 2019

PUBLIC MEETING

FULL COUNCIL

9:00 am – 5:00 pm

Hubert H. Humphrey Building, Great Hall

- 9:00 am – 9:05 am** **WELCOME AND OVERVIEW OF DAY**
Martin Blaser, Chair
Lonnie King, Vice Chair
- 9:05 am – 9:10 am** **ROLL CALL AND RULES OF ENGAGEMENT**
Jomana Musmar, Designated Federal Officer (Acting)
- 9:10 am – 9:25 am** **OPENING REMARKS AND MEMBER APPRECIATION/SWEARING IN**
Secretary of Health and Human Services, the Honorable Alex M. Azar, II (tentative)
- 9:25 am – 9:30 am** **OVERVIEW OF DAY 1: INNOVATIONS IN CARB**
Lonnie King and Kathy Talkington
- 9:30 am – 10:45 am** **PANEL 1: One Health Surveillance and Big Data**
Moderator – Lonnie King
- 9:30 – 9:40** **Global Infrastructure and Surveillance, US Role Abroad**
Marc Sprenger, World Health Organization
- 9:40 – 9:50** **Crowdsourcing and Disease Surveillance**
Taha Kass-Hout, Amazon Inc.
- 9:50 – 10:00** **Using Clinical Data to Create a Regional One Health AR Surveillance Database**
Peter Rabinowitz, University of Washington Center for One Health Research
- 10:00 – 10:10** **Big Data Analysis of Integrative Conjugative Exchange (ICE) and AMR Evolution**
James Kaufman, International Business Machines Corporation (IBM)
- 10:10 – 10:45** **COUNCIL DISCUSSION (COUNCIL Q&A ONLY)**
- 10:45 am – 11:00 am** **SHORT BREAK**
- 11:00 am - 12:15 pm** **PANEL 2: Infection Control and Prevention**
Moderator – Kathy Talkington
- 11:00 – 11:10** **Rush to Brush health initiative: Reducing the Incidence of Hospital-Acquired Pneumonia with Oral Hygiene**
Mary Lee Conicella, Aetna Inc.
- 11:10 – 11:20** **Prophylactic use of Vaccines (Passive/Active Immunity) to Prevent AMR Infections**
Timothy Cooke, Novadigm Therapeutics, Inc.
- 11:20 – 11:30** **Internal Biosecurity Project and Geofencing for Infection Control in Swine Farms**
Andreia Arruda, the Ohio State University in collaboration with MSD-Merck

11:30 – 11:40 **Biosecurity in Africa**
Juan Lubroth, Food and Agriculture Organization (FAO)

11:40 – 12:15 **COUNCIL DISCUSSION (COUNCIL Q&A ONLY)**

12:15 pm – 1:10 pm **LUNCH (session to start promptly at 1:15 pm)**

1:15 pm – 2:30 pm **PANEL 3: Antibiotics, Therapeutics, & Alternatives**

Moderator – Lonnie King

1:15 – 1:25 **Discovery of Veterinary Spectrum Specific Antibacterial Agents: The Need for Innovation in Animal Health**

Jeffrey Watts, Zoetis Inc.

1:25 – 1:35 **Phages as Antibiotic Alternatives and their use in Humans, Agriculture, and Aquaculture**

Nancy Tawil, Phagelux Inc.

1:35 – 1:45 **Antibiotic Manufacturers' Commitments: Supporting Measures to Reduce Concentrations of Antibiotics in Manufacturing Waste Discharges**

Steve Brooks, Pfizer Inc.

1:45 – 1:55 **Realities and Challenges of Pharmaceutical Development**

Elaine Hamm, Ascend BioVentures LLC

1:55 – 2:30 **COUNCIL DISCUSSION (COUNCIL Q&A ONLY)**

2:30 pm – 3:35 pm **PANEL 4: Vaccines and Diagnostics**

Moderator – Kathy Talkington

2:30 – 2:40 **Convergent Approaches to Next-Generation Diagnostics**

James Collins, Massachusetts Institute of Technology (MIT)

2:40 – 2:50 **Earlier Targeted Effective Antibiotic Therapy through Culture Independent Diagnostics**

Thomas Lowery, T2 Biosystems Inc.

2:50 – 3:00 **Prioritization of Vaccines to Reduce Antibiotic use in Animals**

Elisabeth Erlacher-Vindel, World Organisation for Animal Health (OIE)

3:00 – 3:35 **COUNCIL DISCUSSION (COUNCIL Q&A ONLY)**

3:35 pm – 3:45 pm **SHORT BREAK**

3:45 pm – 4:45 pm **PUBLIC COMMENT**

4:50 pm – 5:00 pm **FINAL COMMENTS AND ADJOURN**

Martin Blaser, Chair

Lonnie King, Vice Chair

PUBLIC MEETING

FULL COUNCIL

9:00 am – 5:00 pm

Hubert H. Humphrey Building, Great Hall

- 9:00 am – 9:05 am** **ROLL CALL**
Jomana Musmar, Designated Federal Officer (Acting)
- 9:05 am – 9:20 am** **DEBRIEF OF DAY 1: INNOVATION**
Lonnie King and Kathy Talkington, Innovation and R&D Subgroup Leads
- 9:20 am - 9:30 am** **OVERVIEW OF DAY 2: USE OF ANTIBIOTICS**
Martin Blaser and Mike Apley, Surveillance and Stewardship Subgroup Leads
- 9:30 am – 10:45 am** **PANEL 5: Grass Roots Engagement and Advocacy**
Moderator – Martin Blaser
- 9:30 – 9:40** **U.S. Federal Policy and Agricultural Antibiotic Use**
Steve Roach, Keep Antibiotics Working
- 9:40 – 9:50** **One Water and Public Health: Research to Action through Outreach and Education**
Amy Sapkota, University of Maryland
- 9:50 – 10:00** **The Importance of WASH in Preventing AMR and Improving Health Outcomes**
Danielle Zielinski, WaterAid America
- 10:00 – 10:10** **Engaging the Public with AMR and Hand Hygiene**
Lesley Price, Glasgow Caledonian University
- 10:10 - 10:45** **COUNCIL DISCUSSION (COUNCIL Q&A ONLY)**
- 10:45 am – 11:00 am** **SHORT BREAK**
- 11:00 am - 12:15 pm** **PANEL 6: Consumer Impact on Antibiotic Use**
Moderator – Mike Apley
- 11:00 – 11:10** **Antibiotic Use in Small-Scale Livestock Producers in Ecuador**
Jay Graham, University of California, Berkeley
- 11:10 – 11:20** **Addressing AMR as a Global Restaurant Company**
Bruce Feinberg, McDonalds
- 11:20 – 11:30** **Outpatient Antibiotic Stewardship: Interventions that Work**
Jeffrey Gerber, Children’s Hospital of Philadelphia
- 11:30 – 11:40** **Sustainability of Antibiotics**
Harshika Sarbajna, Sandoz International GmbH
- 11:40 – 12:15** **COUNCIL DISCUSSION (COUNCIL Q&A ONLY)**
- 12:15 pm – 1:10 pm** **LUNCH (session to start promptly at 1:15 pm)**
- 1:15 pm – 2:30 pm** **PANEL 7: One Health Surveillance**
Moderator – Martin Blaser
- 1:15 – 1:25** **AMR in South Africa (via phone)**
Olga Perovic, National Institute for Communicable Diseases
- 1:25 – 1:35** **Small Animal Surveillance and One Health**
Jennifer Granick, Minnesota One Health Antibiotic Stewardship Collaborative
- 1:35 – 1:45** **One Health Data Reporting, Sharing, and Collaborating**
Laura Goodman, College of Veterinary Medicine at Cornell University
- 1:45 – 1:55** **Using Medicaid Data to Map Avoidable Prescribing Practices**
Emily Lutterloh, New York State Department of Health

1:55 – 2:30 COUNCIL DISCUSSION (COUNCIL Q&A ONLY)

2:30 pm – 3:45 pm

PANEL 8: Prescriber Behavior Change

Moderator – Mike Apley

2:30 – 2:40 Big Data to Improve Antibiotic Prescribing

Daniel Knecht, Aetna Inc.

2:40 – 2:50 Reducing Antimicrobial use in Animals and Promoting a Mindset Change

David Speksnijder, University of Utrecht

2:50 – 3:00 Minnesota One Health Antibiotic Stewardship Collaborative

Amanda Beaudoin, Minnesota Department of Health

3:00 – 3:10 Accelerating International Progress on AMR

Keiji Fukuda, University of Hong Kong

3:10 – 3:45 COUNCIL DISCUSSION (COUNCIL Q&A ONLY)

3:45 pm – 4:00 pm

SHORT BREAK

4:00 pm – 4:45 pm

PUBLIC COMMENT

4:50 pm – 5:00 pm

FINAL COMMENTS AND ADJOURN

Martin Blaser, Chair

Lonnie King, Vice Chair