**SUNDAY, MARCH 1**
Arrival and Registration

**MONDAY, MARCH 2**
Welcome and Keynote Address
*David Wang*, Washington University School of Medicine, USA  
*Forest Rohwer*, San Diego State University, USA  
*Phage Behaving Badly and Clinical Workarounds*

The Global Virome and Beyond
*Amy Kistler*, Chan Zuckerberg Biohub, USA  
*Mya Breitbart*, University of South Florida, USA  
*Deciphering the “Dissolved”: Ecological Roles of Aquatic Viruses*

Chantal Abergel, CNRS Aix-Marseille Université, France  
*The Concept of Virus in the Giant Virus Era*

Edward C. Holmes, University of Sydney, Australia  
*Exploring the Eukaryotic Virome*

João Trindade Marques, Universidade Federal de Minas Gerais, Brazil  
*Short Talk: The Global Virome of Vector Mosquitoes*

Adriana Messyasz, Oregon State University, USA  
*Short Talk: Metagenomic Analysis of Viral Communities in Bleached and Non-Bleached Coral Tissue Uncovers a Novel Coral Megavirus*

Beneficial and Commensal Viromes
*Evelien M. Adriaenssens*, Quadram Institute Bioscience, UK  
*Susana M. Lehman*, U.S. Food and Drug Administration, USA  
*Thinking about Phage Therapy as a Microbial Ecology Puzzle*

Robert Edwards, San Diego State University, USA  
*crAssphage: The Most Abundant Virus in the Human Enteric Virome*

Ken H. Cadwell, New York University School of Medicine, USA  
*Immunomodulation by the Enteric Virome*

Karthik R. Chamakura, Texas A&M University, USA  
*Short Talk: The ssRNA Phages as a Source for Peptide Antibiotics*

Cynthia Monaco, University of Rochester Medical Center, USA  
*Short Talk: Transkingdom Interactions in the Female Reproductive Tract*

**Poster Session 1**

**TUESDAY, MARCH 3**
The Virome in Disease
*Amit Kapoor*, Ohio State University, USA  
*Frederic D. Bushman*, University of Pennsylvania, USA  
*The Human Virome in Health and Disease*

Charles Chiu, University of California, San Francisco, USA  
*Diagnosing Infections by Metagenomics and Uncovering Novel Disease Associations by Interrogation of the Eukaryotic Virome*

Eric L. Delwart, University of California, San Francisco, USA  
*Koch’s Postulates in the Age of Viral Metagenomics*

Lori R. Holtz, Washington University, USA  
*Short Talk: Growth Velocity in Children with Environmental Enteric Dysfunction is Associated with Specific Bacterial and Viral Taxa of the Gastrointestinal Tract in Malawian Children*

Efrem S. Lim, Arizona State University, USA  
*Short Talk: Intestinal and Neuronal Inflammation Associated with Virome Alterations in Experimental Gulf War Illness is Reversed by Ribavirin*

Workshop 1: Origins of the Human Virome
*David Wang*, Washington University School of Medicine, USA  
*Rabia Maqsood*, Arizona State University, USA  
*Discordant Transmission of Bacteria and Viruses from Mothers to Babies at Birth*

Guanxiang Liang, University of Pennsylvania, USA  
*Step-Wise Assembly of the Neonatal Virome Modulated by Breast Feeding*

Leen Beller, KU Leuven / REGA Institute, Belgium  
*Exploring the Diversity and Dynamics of the Gut Microbiome in Infants in Their First Year of Life*

Workshop 2: Computational Viromics
*Robert Edwards*, San Diego State University, USA  
*Evelien M. Adriaenssens*, Quadram Institute Bioscience, UK  
*The Importance of Bacteriophage Taxonomy in the Analysis of Gut Virome Data*

J. Rodney Brister, NLM, National Institutes of Health, USA  
*How to Find a Virus – a Public Database Story*

Moreno Zolfo, University of Trento, Italy  
*Detection and Meta-Analysis of Non-Viral Contamination in Viromes with ViromeQC*

Michael J. Tisza, NCI, National Institutes of Health, USA  
*Cenote-Taker2 Democratizes Virus Discovery and Annotation from Metagenomic Data*

The Virome in Model Systems
*Mya Breitbart*, University of South Florida, USA  
*David Wang*, Washington University School of Medicine, USA  
*Novel Lessons from the C. elegans Virome*

Adrienne M.S. Correa, Rice University, USA  
*Viral Reefscapes: Microbial Interactions with Threatened Coral Hosts and Reef Ecosystems*

Amit Kapoor, Ohio State University, USA  
*Animal Viromes Yield New Models for Human Viruses*

Keir M. Balla, University of Utah, USA  
*Short Talk: A Widespread Picornavirus Discovered by Visualizing Zebrafish Immune Responses*

**Poster Session 2**

**WEDNESDAY, MARCH 4**
Host-Virus Arms Race
*Frederic D. Bushman*, University of Pennsylvania, USA  
*Kimberly Seed*, University of California, Berkeley, USA  
*Bacteriophage-Host Arms Race in Vibrio cholerae*

Karen L. Maxwell, University of Toronto, Canada  
*Quorum Sensing Inactivation by a Phage Accessory Protein*
Rotem Sorek, Weizmann Institute of Science, Israel
**Novel Antiphage Defense Systems**

Kate L. Jeffrey, Harvard Medical School, USA
**Divergent Immunomodulation by Healthy and Inflammatory Bowel Disease Human Enteric Viromes**

Moira Dion, Université Laval, Canada
**Short Talk: Optimizing Phage Host Predictions from Viral Metagenomics Using CRISPR Spacers**

Kevin Forsberg, Fred Hutchinson Cancer Research Center, USA
**Short Talk: Functional Metagenomics-Guided Discovery of Potent Cas9 Inhibitors in the Human Microbiome**

Virome-Bacterial Microbiome Interactions

*Karen L. Maxwell*, University of Toronto, Canada
**Norovirus Infection, the Gut Microbiota and Interferon Lambda**

Megan T. Baldridge, Washington University School of Medicine, USA
**Phage-Bacteria Interactions in the Evolution of Antibacterial Resistance**

Paul E. Turner, Yale University, USA
**Short Talk: The Vaginal Virome in Self-Identified African American Women Associated with Bacterial Community during Pregnancy and Preterm Birth**

Emily F. Wissel, Emory University, USA
**Short Talk: Innate Immune Barriers to Inter- and Intra-Species Virus Transmission and Evolution**

Ryan A. Langlois, University of Minnesota, USA
**Short Talk: Intraspecific Conflict in Ubiquitous Single-Stranded DNA Phages Is Caused by Hypervariable Genomic Regions**

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

THURSDAY, MARCH 5

Departure