



## 2013 NIAID RCE NATIONAL MEETING

### CONCURRENT SESSION TALKS INFORMATION AND GUIDELINES

- Concurrent sessions will be held on Monday, April 8, 2013 during the afternoon session.
- All concurrent sessions will be held on the Mezzanine Level of the Seattle Westin Hotel.
- There will be two separate sessions for concurrent talks:
  - Concurrent Session A will focus on *pathogenesis*
  - Concurrent Session B will focus on *countermeasures and diagnostics*
- *Concurrent Session A: Pathogenesis* will be from 1:30 – 3:20 pm. There are five sessions scheduled, each session will have five presentations during this time period. Each presentation is scheduled for 20 minutes: 15 minute presentation, 5 minutes of Q&A.
  - Session 1: Virology I
  - Session 2: Virology II
  - Session 3: Bacterial Pathogenesis
  - Session 4: Microbial Genomics
  - Session 5: Inflammatory Responses to Microbes
- There is a short 10 minute break between Session A and Session B
- *Concurrent Session B: Countermeasures and Diagnostics* will be from 3:20 – 5:00 pm. There are five sessions scheduled, each session will have five presentations during this time period. Each presentation is scheduled for 20 minutes: 15 minute presentation, 5 minutes of Q&A.
  - Session 6: Antivirals
  - Session 7: Viral Vaccines
  - Session 8: Bacterial Vaccines
  - Session 9: Antibiotics
  - Session 10: Human Responses and Diagnostics
- The 2013 NIAID RCE National Meeting Program Book that each attendee will receive at the meeting will contain the final presentation order and presentation times within each session.

#### TALK PREPARATION AND GUIDELINES

- Each session will have a session leader who will assist to keep presentations on time.
- The seating arrangement in each room is a combination of classroom and theater style seating.
- Presenters will have access to a Dell PC laptop to use during the talk. Presenters must plan to bring their presentations on a USB memory stick formatted for PC use.
- Presentation order is based on alphabetical order by last name within each session.

<b>VIROLOGY I (VIRO1)</b>			
<b>TALK #</b>	<b>NAME</b>	<b>TITLE</b>	<b>RCE</b>
VIRO1 01	Bonizzoni, Mariangela	Assessing Functional Polymorphism in the Dengue Vector <i>Aedes aegypti</i> by RNA-seq	PSWRCE
VRIO1 02	Denison, Mark	Coronavirus Exoribonuclease (ExoN-) Mutants are Attenuated and Sensitive to Inhibition by RNA Mutagens	SERCEB
VIRO1 03	Garcia-Blanco, Mariano	The love-hate relationship between host RNA binding proteins and dengue viruses	SERCEB
VIRO1 04	Morrey, John	Fatal Neurological Respiratory Insufficiency Common Among Viral Encephalitides	RMCE
VIRO1 05	Parameswaran, Poornima	Coherent immune repertoire signatures in human dengue	PSWRCE
<b>VIROLOGY II (VIRO2)</b>			
<b>TALK #</b>	<b>NAME</b>	<b>TITLE</b>	<b>RCE</b>
VIRO2 01	Gaudin, Raphael	Cellular entry route for the New World Arenaviridae Junin virus	NERCE
VIRO2 02	Nunberg, Jack	Arenavirus Entry and its Inhibition (RM RP019)	RMRCE
VIRO2 03	Ross, Susan	Identification of cellular factors involved in Junin virus entry by siRNA screening	MARCE
VIRO2 04	Silva, Laurie	A role for glycosaminoglycans in chikungunya virus infection	SERCEB
VIRO2 05	Streblow, Daniel	Identification of Age-Related Defects in the Response to Chikungunya Virus Infection	PNWRCE
<b>BACTERIAL PATHOGENESIS (BACPATH)</b>			
<b>TALK #</b>	<b>NAME</b>	<b>TITLE</b>	<b>RCE</b>
BACPATH 01	Gunn, John	Identification of Francisella tularensis regulatory determinants required for virulence and immune suppression	GLRCE
BACPATH 02	Jones, Brad	Francisella tularensis Schu S4 Mutants in Genes Required for Capsule and O-antigen Biosynthesis are Attenuated for Mouse Virulence	MRCE
BACPATH 03	Pancholi, Vijay	Role of sauSTK/STP-mediated reversible Th-phosphorylation of WalR in the regulation of S. aureus cell wall biosynthesis-modulating cell wall hydrolases	GLRCE
BACPATH 04	Russel, Alistair	Diverse phospholipases delivered by the type VI secretion system are functionally plastic antibacterial effectors	NWRCE
BACPATH 05	Weiss, David	A novel link between biotin and rapid phagosomal escape in Francisella	SERCEB
<b>MICROBIAL GENOMICS (MICGEN)</b>			
<b>TALK #</b>	<b>NAME</b>	<b>TITLE</b>	<b>RCE</b>
MICGEN 01	Grad, Yonatan	Comparative Genomics of Recent Shiga Toxin-Producing Escherichia coli O104:H4: Short-Term Evolution of an Emerging Pathogen	NERCE
MICGEN 02	Manoil, Colin	Defined transposon mutant libraries of Burkholderia thailandensis and Burkholderia	NWRCE

		pseudomallei	
MICGEN 03	Rohmer, Laurence	Comparative genomics shed light on the elusive life cycle of <i>Shigella dysenteriae</i> type 1	NWRCE
MICGEN 04	Schweizer, Herbert	Functional characterization of a sequence defined <i>Burkholderia pseudomallei</i> transposon mutant library	RMRCE
MICGEN 05	Stenglein, Mark	Identification, characterization, and in vitro culture of highly divergent arenaviruses from boa constrictors and annulated tree boas: a candidate etiological agent for snake inclusion body disease (IBD)	PSWRCE
<b>INFLAMMATORY RESPONSES TO MICROBES (IRM)</b>			
<b>TALK #</b>	<b>NAME</b>	<b>TITLE</b>	<b>RCE</b>
IRM 01	Allen, Lee-Ann	Rapid macrophage death induced by novel <i>Francisella tularensis</i> Schu S4 mutants is caspase-1 and inflammasome-independent	MRCE
IRM 02	Hassan, Musa	Integrating transcriptional and linkage analysis in a segregating mouse population to identify genes underlying Interferon gamma and Tumor necrosis alpha mediated resistance to intracellular pathogens	NERCE
IRM 03	Miao, Edward	Non-canonical inflammasome activation of Caspase-11 protects against cytosolic bacteria	NWRCE
IRM 04	Ramos, Hilario	Synergistic cross-talk between inflammatory and type I IFN signaling networks enhances control of flavivirus infection	PNWRCE
IRM 05	Ryman, Kate	Investigating mechanisms by which interferon-stimulated genes potently inhibit chikungunya virus infection and disease	PNWRCE
<b>ANTIVIRALS (ANTIV)</b>			
<b>TALK #</b>	<b>NAME</b>	<b>TITLE</b>	<b>RCE</b>
ANTIV 01	Cunningham, James	A novel inhibitor of filovirus entry inhibits virus trafficking and reveals a specific entry pathway shared with the severe acute respiratory syndrome virus	NERCE
ANTIV 02	Geiss, Brian	Identification of Novel Inhibitors of the Flavivirus NS5 Capping Enzyme	RMRCE
ANTIV03	Loo, Yueh-Ming (Ming)	Targeting innate immunity for flavivirus antiviral therapy through small molecule agonists of RIG-I-like receptor signaling	PNWRCE
ANTIV 04	Whelan, Sean	Inhibitors of negative-strand RNA virus polymerase activity	NERCE
ANTIV 05	White, Judith	Multiple FDA-Approved Compounds Block Filovirus Replication Through an NPC1-Dependent Pathway	MARCE
<b>VIRAL VACCINES</b>			
<b>TALK #</b>	<b>NAME</b>	<b>TITLE</b>	<b>RCE</b>
VACC2 01	Agnihorthram, Sudhakar	A Multivalent Coronavirus Vaccine based on the Second Generation Alphavirus Replicon	SERCEB

		Platform	
VACC2 02	Beatty, Robert	Dengue virus nonstructural protein 1 vaccine protects against lethal challenge in interferon $\alpha/\beta$ receptor-deficient mice	PSWRCE
VACC2 03	Broder, Christopher	Passive and active and immunization approaches succeed against the transboundary henipavirus threats	MARCE
VACC2 04	Forrester, Naomi	Using high-fidelity mutations to stabilize live-attenuated vaccines	WRCE
VACC2 05	Isaacs, Stuart	Development of a protein-based smallpox vaccine: Is there a future for future generation smallpox vaccines?	MARCE
<b>BACTERIAL VACCINES</b>			
<b>TALK #</b>	<b>NAME</b>	<b>TITLE</b>	<b>RCE</b>
VACC1 01	Arenas, Angela	Extended Safety and Immunogenicity Studies of a Live Attenuated Vaccine Candidate Against Brucellosis	WRCE
VACC1 02	Barbieri, Joseph	Optimization of the subunit vaccine against botulism	GLRCE
VACC1 03	Simon, Raphael	Salmonella Enteritidis Core-O Polysaccharide (COPS) conjugated to Enteritidis flagellin (H:g,m) as a candidate vaccine for protection against invasive infection with Salmonella Enteritidis	MARCE
VACC1 04	Torres, Alfredo	The Burkholderia mallei tonB deletion mutant exhibits an attenuated phenotype and provides protective immunity against acute inhalational murine glanders.	WRCE
VACC1 05	Oh, So-Young	Vaccine protection of mice against Bacillus cereus-mediated respiratory anthrax	GLRCE
<b>ANTIBIOTICS</b>			
<b>TALK #</b>	<b>NAME</b>	<b>TITLE</b>	<b>RCE</b>
ANTIB 01	Christensen, Quin	A High-Throughput Screen for Small Molecule Inhibitors of Quorum Sensing Signal Synthesis	NWRCE
ANTIB 02	Fischetti, Vincent	Development of Epimerox, a Novel Compound With Reduced Resistance Potential to Treat Anthrax and Other Bacterial Infections	GLRCE
ANTIB 03	Richter, Stefan	Small molecule inhibitor of lipoteichoic acid synthesis is an antibiotic for Staphylococcus aureus, Bacillus anthracis, and other Gram-positive bacteria	GLRCE
ANTIB 04	Slayden, Richard	Development of Clinically Relevant Novel Broad Spectrum Chemotherapeutics Against Priority Pathogens	RMRCE
ANTIB 05	Vazquez-Torres, Andres	Molecular mechanisms of nitric oxide-induced antibiotic tolerance	RMRCE

<b>HUMAN RESPONSES AND DIAGNOSTICS (HRD)</b>			
<b>TALK #</b>	<b>NAME</b>	<b>TITLE</b>	<b>RCE</b>
HRD 01	Andrews, Sarah	Adaptability of the Human Influenza-Specific Antibody Response	NBC
HRD 02	AuCoin, David	Optimization of a Lateral Flow Immunoassay (LFI) for the Rapid Diagnosis of Melioidosis	PSWRCE
HRD 03	Barbour, Alan	Elevated carbon monoxide in the exhaled breath of mice during a system bacterial infection	PSWRCE
HRD 04	Cox, Christopher	Translational Technologies for Rapid Burkholderia identification and drug resistance determination	RMRCE
HRD 05	Wurfel, Mark	Toll-like receptor 1/2 (TLR1/2)-mediated inhibition of T-regulatory cell suppressive activity is associated with genetic variation in <i>TLR1</i>	NWRCE