### Agenda

Monday, February 6, 2017  
NIH/Building 50, Room 1227

<table>
<thead>
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<td>6:45 – 7:15 a.m.</td>
<td>Breakfast (Bethesda Marriott)</td>
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| 8:30 – 9:00 a.m. | Welcome  
Wendy J. Fibison, Ph.D.  
Associate Director  
Office of Training and Diversity (OTD)  
Division of Intramural Research (DIR)  
National Institute of Allergy and Infectious Diseases (NIAID)  
National Institutes of Health (NIH) |
| 9:00 – 9:45 a.m. | Division of Intramural Research Overview  
Steven M. Holland, M.D.  
Director  
Division of Intramural Research, NIAID, NIH |
| 9:45 – 10:00 a.m. | Introducing Today’s Students and Tomorrow’s Leaders  
Wendy J. Fibison, Ph.D.  
Associate Director  
OTD, DIR, NIAID, NIH |
| 10:00 – 10:30 a.m. | Preparing Yourself for a Career in Biomedical Research  
Michael M. Gottesman, M.D.  
Deputy Director for Intramural Research  
Office of the Director, NIH and  
Chief, Laboratory of Cell Biology, National Cancer Institute, NIH |
| 10:30 – 11:15 a.m. | The National Institute of Allergy and Infectious Diseases:  
A Unique Mandate  
Anthony S. Fauci, M.D.  
Director  
National Institute of Allergy and Infectious Diseases, NIH |
| 11:15 a.m. – 12:00 p.m. | Group Photo |
| 12:00 – 1:00 p.m. | Lunch |
1:00 — 1:20 p.m.  
**RML Overview—NIAID’s Rocky Mountain Laboratories—An Awesome Setting To Do Research**  
Robert J. Hohman, Ph.D.  
Chief, Research Technologies Branch and Associate Director for the Development of Research Technologies, DIR, NIAID, NIH

1:20 — 2:05 p.m.  
**Salmonella, At Home in the Host Cell**  
Olivia Steele-Mortimer, Ph.D.  
Deputy Chief, Laboratory of Bacteriology and Chief, Salmonella Host-Cell Interactions Section Rocky Mountain Laboratories, DIR, NIAID, NIH

2:05 — 2:30 p.m.  
**What Happens After Basic and Translational Research? How To Move Forward a Promising Drug Candidate Into Clinical Trials and Then...to Market**  
Sheila N. Bello-Irizarry, Ph.D., RAC  
Integrated Product Development Associate RHO, Inc.  
INRO 2004  
NIAID Postbaccalaureate IRTA 2004, 2005

2:30 — 3:15 p.m.  
**Using Phage To Select for Evolution of Reduced Virulence in Pathogenic Bacteria**  
Paul E. Turner, Ph.D.  
Professor and Chair, Department of Ecology and Evolutionary Biology, Yale University and Microbiology Faculty, Yale School of Medicine  
NIAID Postdoctoral IRTA 2000, 2001

3:15 — 3:30 p.m.  
**Break**
3:30 — 4:45 p.m.

Making the Most of Your NIAID Experience
Alumni Panel

Moderator: Kim Y. Green, Ph.D.
Senior Investigator
Caliciviruses Section
Laboratory of Infectious Diseases, DIR, NIAID, NIH

Panelists: Naissem Andemel
M.D. Candidate, George Washington University
Special Volunteer, Laboratory of Malaria Immunity and Virology, DIR, NIAID, NIH
INRO 2013
NIAID Postbaccalaureate IRTA 2013, NIAID Summer Intern 2015

Josue Baeza, Ph.D.
Graduate Student
Department of Biomolecular Chemistry
University of Wisconsin-Madison
INRO 2010
NIAID Postbaccalaureate IRTA 2011

Sheila N. Bello-Irizarry, Ph.D., RAC
Integrated Product Development Associate
RHO, Inc.
INRO 2004
NIAID Postbaccalaureate IRTA 2004, 2005

Joseph Lopez, M.D., M.B.A.
Plastic Surgery Resident
Department of Plastic and Reconstructive Surgery
Johns Hopkins Hospital
INRO 2007
NIAID Postbaccalaureate IRTA 2007

Tanea T. Reed, Ph.D.
Associate Professor of Biochemistry
Department of Chemistry, Eastern Kentucky University
INRO 2007

Paul E. Turner, Ph.D.
Professor and Department Chair, Ecology and Evolutionary Biology,
Yale University and
Microbiology Faculty, Yale School of Medicine
NIAID Postdoctoral IRTA 2000, 2001

4:45 p.m.

Adjourn Day Program
Transportation to Evening Program (Bethesda Marriott)

5:30 — 9:30 p.m.

Evening Program
The Honorable Togo D. West, Jr.
Former Secretary of the Army and
Former Secretary of Veterans Affairs
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<td>9:00 – 9:45 a.m.</td>
<td>The Zika Challenge—NIAID’s Response</td>
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<td>Flavivirus Suppression of Type I Interferon: From West Nile Virus to Zika Virus</td>
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<td>Sonja Best, Ph.D.</td>
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<td>Chief, Innate Immunity and Pathogenesis Unit</td>
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<td>Laboratory of Virology</td>
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<td>Rocky Mountain Laboratories, DIR, NIAID, NIH</td>
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<td>9:45 – 10:30 a.m.</td>
<td>The Long and Short of Vaccine Development for Dengue and Zika</td>
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<td>Stephen Whitehead, Ph.D.</td>
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<td></td>
<td>Senior Associate Scientist, Dengue Virus Unit</td>
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<td>10:30 — 10:45 a.m.</td>
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<td>10:45 – 11:30 a.m.</td>
<td>Rapid Development of a DNA Vaccine for Zika Virus</td>
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<td></td>
<td>Kaitlyn M. Morabito, Ph.D.</td>
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<td>Science Analyst, Vaccine Research Center</td>
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<td>Viral Pathogenesis Laboratory, NIAID, NIH</td>
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<td>11:30 a.m. – 12:15 p.m.</td>
<td>Antibody-Mediated Neutralization of Flaviviruses: Hitting a Moving Target</td>
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<td>Ted C. Pierson, Ph.D.</td>
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<td>Senior Investigator</td>
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<td>Peer Mentoring Lunch: Learning From Those One Step Ahead</td>
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<td>1:15 – 1:30 p.m.</td>
<td>You Cannot Do Research Without State-of-the Art Technologies</td>
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<td>Robert J. Hohman, Ph.D.</td>
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<td>Imaging at NIAID</td>
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<td>Owen M. Schwartz, Ph.D.</td>
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<td>Head, Biological Imaging Facility</td>
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<td>2:00 – 2:30 p.m.</td>
<td>Microscopy: A Portal Into a Small, Small World</td>
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<td>Elizabeth Fischer, M.A.</td>
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<td>Head, Electron Microscopy Unit</td>
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2:30 – 3:00 p.m.  
**Cryo-Electron Microscopy of a Potential Universal Flu Vaccine:**  
**Seeing How Antibodies Bind Multivalent Nanoparticles**  
John R. Gallagher, Ph.D.  
Postdoctoral Fellow  
Laboratory of Infectious Diseases, DIR, NIAID, NIH

3:00 – 3:15 p.m.  
**Break**

3:15 – 3:45 p.m.  
**The NIAID Flow Cytometry Section**  
Kevin L. Holmes, Ph.D.  
Chief, Flow Cytometry Section  
Research Technologies Branch, DIR, NIAID, NIH

3:45 – 4:30 p.m.  
**Influenza—From Bench to Bedside and Back Again**  
Jeffery Taubenberger, M.D., Ph.D.  
Senior Investigator, Viral Pathogenesis and Evolution Section  
Laboratory of Infectious Diseases, DIR, NIAID, NIH

4:30 p.m.  
**Adjourn**
Wednesday, February 8, 2017
NIAID Fishers Lane, Conference Room 1D13

7:15 – 7:45 a.m.  Breakfast (Bethesda Marriott)

7:45 a.m.  Bus Departs for NIAID Fishers Lane (Bethesda Marriott Lobby)

9:00 – 9:15 a.m.  Responsible Conduct in Research—An Introduction
Wendy J. Fibison, Ph.D.
Associate Director
OTD, DIR, NIAID, NIH

9:15 – 10:00 a.m.  What’s Behind a Sand Fly Bite?
Jesus G. Valenzuela, Ph.D.
Senior Investigator, Vector Molecular Biology Section
Laboratory of Malaria and Vector Research, DIR, NIAID, NIH

10:00 – 10:20 a.m.  CCR1L1: An Orphan Chemokine Receptor
Lauren Heusinkveld
Postbaccalaureate IRTA
Laboratory of Molecular Immunology, DIR, NIAID, NIH

10:20 – 10:40 a.m.  Discovery of Novel Antigens for Malaria Vaccines
Munir H. Buhaya
Postbaccalaureate IRTA
Laboratory of Malaria Immunology and Vaccinology, DIR, NIAID, NIH

10:40 a.m. – 11:00 a.m.  Break

11:00 – 11:45 a.m.  Responsible Conduct In Research—Sloppy Science or Research Misconduct?
Sandra Bonne-Année, Ph.D., Postdoctoral IRTA, Laboratory of Parasitic Diseases
Munir H. Buhaya, Postbaccalaureate IRTA, Laboratory of Malaria Immunology and Vaccinology
Dennise A. de Jesús Diaz, Ph.D., Postdoctoral IRTA, Laboratory of Infectious Diseases
Caleb C. McKinney, Ph.D., Assistant Director, Office of Career Strategy and Professional Development, Georgetown University Medical Center
Eric W. Refsland, Ph.D., Postdoctoral IRTA, Laboratory of Immunoregulation
Jason Michael Segura, Ph.D., Postdoctoral IRTA, Laboratory of Immunogenetics

11:45 a.m. – 12:00 p.m.  Responsible Conduct in Research Report-Out

12:00 p.m. – 1:00 p.m.  Lunch

1:00 – 1:20 p.m.  Investigation of Mucosal Addressin Cell Adhesion Molecule (MAdCAM) During Early HIV Infection
Omozusi Andrews, Ph.D.
Postdoctoral IRTA
Laboratory of Immunoregulation, DIR, NIAID, NIH

1:20 – 1:40 p.m.  Playing With the Band: From INRO to Research
Jason Michael Segura, Ph.D.
Postdoctoral IRTA
Laboratory of Immunogenetics, DIR, NIAID, NIH
1:40 — 3:15 p.m.  
**Research Needs in an Era of Malaria Elimination**

**Moderator:** Thomas E. Wellems, M.D., Ph.D.  
Chief  
Laboratory of Malaria and Vector Research, DIR, NIAID, NIH

**Panelists:**  
**Carolina Barillas-Mury, M.D., Ph.D.**  
Chief, Mosquito Immunity and Vector Competence Section  
Laboratory of Malaria and Vector Research, DIR, NIAID, NIH

**Sanjay Desai, M.D., Ph.D.**  
Chief, Apicomplexan Molecular Physiology Section  
Laboratory of Malaria and Vector Research, DIR, NIAID, NIH

**Tovi Lehmann, Ph.D.**  
Facility Head  
Laboratory of Malaria and Vector Research, DIR, NIAID, NIH

**Carole Long, Ph.D.**  
Chief, Malaria Immunology Section  
Laboratory of Malaria and Vector Research, DIR, NIAID, NIH

3:15 — 3:30 p.m.  
**Break**

3:30 — 5:00 p.m.  
**Group Interviews**

**Instructions:** Malcolm Whitfield  
Program Analyst  
OTD, DIR, NIAID, NIH

5:00 p.m.  
**Adjourn**
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<td>David Morens, M.D.</td>
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<td>Senior Advisor to the Director, NIAID, NIH</td>
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<td>Next Steps</td>
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<td>Departure to Airports</td>
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Conference attendees and/or presenters are responsible for meals and/or light refreshments on their own and at their own cost.