## Agenda

**Monday, February 1, 2016**  
NIH/Building 50, Room 1227

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>7:45 – 8:15 a.m.</td>
<td>Breakfast (Bethesda Marriott)</td>
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<td>NIH Security Clearance (Bethesda Marriott Lobby)</td>
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| 9:00 – 9:15 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) |
| 9:15 – 9:45 a.m. | DIR Intramural Scientific Opportunities                             | Hugh Auchincloss, M.D.  
Deputy Director, NIAID and  
Acting Scientific 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. | How NIH Can Help You Develop 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 — 1:45 p.m. Qualitative Features of an Effective Immune Response to HIV
Mark Connors, M.D.
Chief, HIV-Specific Immunity Section
Laboratory of Immunoregulation, DIR, NIAID, NIH

1:45 — 2:30 p.m. Rocky Mountain Laboratories Overview
Steve Porcella, Ph.D.
Chief, Research Technologies Section
Research Technologies Branch
Rocky Mountain Laboratories, DIR, NIAID, NIH

2:30 — 2:45 p.m. Navigating the Endless Sea of Opportunity at the NIH
Heardley Moses Murdock
M.D. Candidate
Perelman School of Medicine at the University of Pennsylvania
INRO 2013
NIAID Postbaccalaureate IRTA 2013

2:45 — 3:00 p.m. To Pursue an M.D., Ph.D., or M.D./Ph.D.? Resolving My Career Aspirations While at the NIH
Emmanuel Y. Fordjour
Teaching Assistant
University of Texas at Arlington
INRO 2015
NIAID Postbaccalaureate IRTA 2015

3:00 — 3:15 p.m. Break

3:15 — 3:45 p.m. Bioinfo-What? Discovering Where Computer Science and Virology Meet
Emily Speranza
Fellow, National Science Foundation Graduate Research Fellowship Program
Bioinformatics Program, Department of Microbiology
Boston University
INRO 2013
NIAID Summer Intern 2013, 2015

3:45 — 4:00 p.m. My Journey After INRO So Far
James R. Chavre
Manufacturing Associate
NOVAVAX
INRO 2012
NIAID Postbaccalaureate IRTA 2012

4:00 — 4:15 p.m. One Trip Through NIAID and Back
Damilola Phillips
Medical Student Fellow
Laboratory of Immunoregulation, DIR, NIAID, NIH
INRO 2010
NIAID Postbaccalaureate IRTA 2010
4:15 — 4:30 p.m.  A Unique Journey Through the NIH
Yolanda Williams-Bey, Ph.D.
Education Program Manager
Delaware EPSCoR
University of Delaware
INRO 2010
NIAID Postdoctoral IRTA 2010

4:30 — 5:15 p.m.  INRO 2016 Meet & Greet
Welcome Visiting Students, Current NIAID Trainees, and Trainee Alumni

5:15 p.m.  Adjourn
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<td>How Malaria Parasites Obtain Nutrients: Molecular Basis and Therapeutic Target</td>
<td>Sanjay A. Desai, M.D., Ph.D.</td>
<td>Laboratory of Malaria and Vector Research, DIR, NIAID, NIH</td>
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<td>9:45 – 10:30 a.m.</td>
<td>Hitting a Moving Target: Antibody-Mediated Neutralization of Flaviviruses</td>
<td>Ted Pierson, Ph.D.</td>
<td>Laboratory of Viral Diseases, DIR, NIAID, NIH</td>
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<td>Break</td>
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<td>10:45 – 11:30 a.m.</td>
<td>Modeling Salmonella Meningitis—An Emerging Disease</td>
<td>Olivia Steele-Mortimer, Ph.D.</td>
<td>Laboratory of Bacteriology and Chief, Laboratory of Bacteriology and Chief, Salmonella Host-Cell Interactions Section</td>
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<td>11:30 a.m. – 12:15 p.m.</td>
<td>Immune-Mediated Damage Within the Central Nervous System</td>
<td>Karin E. Peterson, Ph.D.</td>
<td>Laboratory of Persistent Viral Diseases, Rocky Mountain Laboratories, DIR, NIAID, NIH</td>
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<td>Peer Mentoring Lunch: Learning From Those One Step Ahead</td>
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<td>1:30 – 2:00 p.m.</td>
<td>Biomedical Research Technologies at the NIAID</td>
<td>Robert J. Hohman, Ph.D.</td>
<td>Research Technologies Branch and Associate Director for the Development of Research Technologies, DIR, NIAID, NIH</td>
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<td>2:00 – 2:30 p.m.</td>
<td>Advances in Genomics Technology</td>
<td>Steve Porcella, Ph.D.</td>
<td>Research Technologies Branch, Rocky Mountain Laboratories, DIR, NIAID, NIH</td>
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<td>2:30 – 3:00 p.m.</td>
<td>The Microscopic View of Infectious Disease Agents</td>
<td>Beth Fischer, M.A.</td>
<td>Head, Electron Microscopy Unit, Research Technologies Branch, Rocky Mountain Laboratories, DIR, NIAID, NIH</td>
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3:00 — 3:15 p.m.  Break

3:15 — 4:00 p.m.  Understanding Noroviruses: From Volunteers to Vomiting Larry Kim Y. Green, Ph.D.
Senior Investigator, Caliciviruses Section
Laboratory of Infectious Diseases, DIR, NIAID, NIH

4:00 — 5:00 p.m.  What Are Immunodeficiencies and Why Should We Study Them?
Steven M. Holland, M.D.
Distinguished NIH Investigator
Chief, Laboratory of Clinical Infectious Diseases, DIR, NIAID, NIH

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| 8:30 – 8:45 a.m. | Responsible Conduct in Research—Collaborative Science  
Wendy J. Fibison, Ph.D.  
Associate Director  
OTD, DIR, NIAID, NIH |
| 8:45 – 9:30 a.m. | Biochemical and Immunological Aspects of Insect Saliva: From Basic Science to Translational Research  
Jesus G. Valenzuela, Ph.D.  
Chief, Vector Molecular Biology Section  
Laboratory of Malaria and Vector Research, DIR, NIAID, NIH |
| 9:30 – 10:15 a.m.| Benchanomics 101: Improving Your Effectiveness in the Lab  
Caleb C. McKinney, Ph.D.  
Postdoctoral IRTA  
Laboratory of Viral Diseases, DIR, NIAID, NIH |
| 10:15 – 10:45 a.m.| Interview Instructions  
Ann Rich  
Program Analyst  
OTD, DIR, NIAID, NIH |
| 10:45 a.m. – 1:00 p.m. | Student Interviews/Lunch  
Group A Travel to Interviews  
Group A Interviews; Group B Lunch  
Group A Travel From Interviews and Group B Travel to Interviews  
Group B Interviews; Group A Lunch  
Group B Travel From Interviews |
| 1:00 – 1:30 p.m. | Intern...Get Me Some Coffee  
Steevenson Nelson, Ph.D.  
Management Intern  
Office of the Director, NIH |
| 1:30 – 1:45 p.m. | Quantitative Polymerase Chain Reaction, Next-Generation Sequencing, and Microarrays in the Bitterroot Valley, Montana  
Charles V. Turner  
Postbaccalaureate IRTA  
Research Technologies Branch  
Rocky Mountain Laboratories, DIR, NIAID, NIH |
| 1:45 – 2:00 p.m. | Not the Same Old Song and Dance: Mapping TRIM5α Interaction With Tick-Borne Flaviviruses  
Vanessa R. Montoya  
Postbaccalaureate IRTA  
Laboratory of Virology  
Rocky Mountain Laboratories, DIR, NIAID, NIH |
2:00 — 2:15 p.m.  
**Bats and Beyond**  
*Megan Miller*  
Postbaccalaureate IRTA  
Laboratory of Virology  
Rocky Mountain Laboratories, DIR, NIAID, NIH

2:15 — 2:30 p.m.  
**Use of a Mouse Model in Biomedical Research**  
*Osamah Z. Badwan*  
Postbaccalaureate IRTA  
Laboratory of Immunogenetics, DIR, NIAID, NIH

2:30 — 2:45 p.m.  
**Break**

2:45 — 3:30 p.m.  
**Monogenic Diseases of Allergy**  
*Joshua Milner, M.D.*  
Chief, Genetics and Pathogenesis of Allergy Section  
Laboratory of Allergic Diseases, DIR, NIAID, NIH

3:30 — 3:50 p.m.  
**Biological Sex Is a Major Immune Response Determinant Mediating *Toxoplasma* Pathogenesis**  
*Dionne P. Robinson, Ph.D.*  
Postdoctoral IRTA  
Laboratory of Parasitic Diseases, DIR, NIAID, NIH

3:50 — 4:40 p.m.  
**Responsible Conduct in Research—Case Studies**  
*Sara Bolivar Wagers,* Postbaccalaureate IRTA, Laboratory of Viral Diseases  
*Dennise A. de Jesús Díaz,* Ph.D., Postdoctoral IRTA, Laboratory of Infectious Diseases  
*Eric W. Refsland,* Ph.D., Postdoctoral IRTA, Laboratory of Immunology  
*Dionne P. Robinson,* Ph.D., Postdoctoral IRTA, Laboratory of Parasitic Diseases  
*Charles V. Turner,* Postbaccalaureate IRTA, Research Technologies Branch

4:40 — 5:00 p.m.  
**Final Comments—Responsible Conduct in Research**

5:00 p.m.  
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| 8:30 – 9:15 a.m. | Keys to Collaboration Success  
|               | L. Michelle Bennett, Ph.D.  
|               | Director, Center for Research Strategy  
|               | National Cancer Institute, NIH                                       |
| 9:15 – 9:45 a.m. | Interview Instructions  
|               | Ann Rich  
|               | Program Analyst  
|               | OTD, DIR, NIAID, NIH                                                |
| 9:45 a.m. – 12:00 p.m. | Student Interviews  
| 9:45 – 10:00 a.m. | Travel to Interview I  
| 10:00 – 10:45 a.m. | Interview I                                                        |
| 10:45 – 11:15 a.m. | Travel to Interview II  
| 11:15 a.m. – 12:00 p.m. | Interview II                                                     |
| 12:00 – 1:00 p.m. | Lunch                                                                |
| 1:00 – 1:15 p.m. | Program Evaluation and Trivia Quiz                                   |
| 1:15 – 1:45 p.m. | Next Steps: Returning to NIAID                                        
|               | Wendy J. Fibison, Ph.D.  
|               | Associate Director  
|               | OTD, DIR, NIAID, NIH                                                |
| 2:00 p.m.     | Adjourn                                                              |
| 2:15 p.m.     | Departure to Airports                                                |

Conference attendees and/or presenters are responsible for meals and/or light refreshments on their own and at their own cost.