TUESDAY, SEPTEMBER 12

8:00—8:45 a.m.  REGISTRATION AND MEET & GREET
FAES Terrace, Bldg. 10

8:45—9:00 a.m.  INTRODUCTION AND LOGISTICS
Lipsett Auditorium, Bldg. 10
Janetta Lun, PhD – Senior Behavioral Scientist, Scientific Workforce Diversity

9:00—9:15 a.m.  WELCOME REMARKS
Lipsett Auditorium, Bldg. 10
Hannah Valantine, MD, MRCP, FACC – NIH Chief Officer for Scientific Workforce Diversity

9:15—10:15 a.m.  INSIDE THE NIH INTRAMURAL RESEARCH PROGRAM (IRP)
Lipsett Auditorium, Bldg. 10

PART I | AN OVERVIEW OF THE IRP
Michael Gottesman, MD – NIH Deputy Director for Intramural Research

PART II | THE IRP TENURE TRACK
Roland Owens, PhD – Assistant Director, Office of Intramural Research (OIR)
Charles Dearolf, PhD – Assistant Director, OIR

10:15—10:30 a.m.  REMARKS FROM THE NIH DIRECTOR
Lipsett Auditorium, Bldg. 10
Francis Collins, MD, PhD – NIH Director

10:30—11:00 a.m.  BREAK

11:00—12:00 p.m.  PLENARY PRESENTATION
Lipsett Auditorium, Bldg. 10
Eliseo J. Pérez-Stable, MD – Director, National Institute on Minority Health and Health Disparities

12:00—1:00 p.m.  LUNCH (on your own)
TUESDAY, SEPTEMBER 12 (Con’t)

1:15—2:45 p.m.  FUTURE RESEARCH LEADERS SCIENTIFIC PRESENTATIONS I (Concurrent Sessions)

SESSION IA | HEALTHCARE DISPARITIES: TYPE 2 DIABETES & BREAST CANCER
FAES Classroom 3, Bldg. 10

The Role of Modifiable Lifestyle Factors and the Renin-Angiotensin-Aldosterone System in Diabetes Among African Americans
Joshua J. Joseph, MD

Type 2 Diabetes Prevention and Management: A Multi-Generational Intervention for American Indian and Alaska Native Families
Lisa Scarton, PhD

Using Community-Based System Dynamics and Storytelling to Improve Breast Cancer Outcomes: Overarching Conceptual Framework
Faustine Williams, PhD, MPH, MS

"Feeding" Young African American Breast Cancer Survivors with a Quality of Life Intervention
Timiya S. Nolan, PhD, RN, ANP-BC

Development of multi-scale analysis methods to understand role of extranuclear initiated estrogen receptor in metabolic disease and breast cancer
Zeynep Madak-Erdogan, PhD

SESSION IB | DEVELOPMENT & DISEASE: GENOMIC & COMPUTATIONAL APPROACHES
FAES Classroom 6, Bldg. 10

Transcriptional Dynamics of Single-Cell Regeneration in Stentor coeruleus
Pranidhi Sood, PhD

Computational modeling of embryonic lung branching
Uduak George, PhD

High-throughput and full-length characterization of transcript isoforms to investigate cancer-associated mutations
Angela Brooks, PhD

Disruption of Epigenetic Drivers in MYC-Addicted T-ALL
Daniel Liefwalker, PhD

Uncovering the Genetic Causes of Keloid Formation
Donald Glass II, MD, PhD
TUESDAY, SEPTEMBER 12 (Con’t)

1:15—2:45 p.m.  FUTURE RESEARCH LEADERS SCIENTIFIC PRESENTATIONS I (Concurrent Sessions, cont.)

SESSION IC  |  CELL SIGNALING & EPIGENETICS
FAES Classroom 7, Bldg. 10

A far-red fluorescent protein evolved from a cyanobacterial phycobiliprotein
Erik Rodriguez, PhD

The Role of Proline-Glycine-Proline in Cardiac Allograft Vasculopathy and Acute Rejection
Gregory A. Payne, MD, PhD

The LIN28-let-7-IGF2BP axis regulates fetal hemoglobin in humans
Jaira Ferreira de Vasconcellos, PhD

Distinct Histone Post-Translational Modifications Are Connected To Neurodegenerative Disease Proteinopathies
Mariana P. Torrente, PhD

Methylome changes in sorted cord blood CD4+ cells associated with prenatal tobacco smoke exposure
Caitlin Howe, PhD

2:45—3:00 p.m.  BREAK

3:00—4:30 p.m.  FUTURE RESEARCH LEADERS SCIENTIFIC PRESENTATIONS II (Concurrent Sessions)

SESSION IIA  |  HEALTHCARE DISPARITIES: ISSUES OF ACCESS & RISKS
FAES Classroom 3, Bldg. 10

Surgical delays in melanoma associated with insurance type
Adewole Adamson, MD, MPP

Impact of Cumulative Risk on Homelessness for Youth Exiting Foster Care: Finding from the National Youth in Transitions Database
Dana Prince, PhD, MPH

Marijuana and Tobacco Co-Use among African American Young Adults
LaTrice Montgomery, PhD

Sexual Healthcare Access among Adolescent Latinas in Alabama: Challenges and Opportunities for Health Promotion
Mercedes M. Morales-Aleman, PhD

Maternal Factors Associated with Dental caries in Urban Latino Children
Tamanna Tiwari, MPH, MDS, BDS
TUESDAY, SEPTEMBER 12 (Con’t)

3:00—4:30 p.m.  FUTURE RESEARCH LEADERS SCIENTIFIC PRESENTATIONS II  
(Concurrent Sessions, cont.)

SESSION IIB  |  MICROBIAL PATHOGENESIS & INFECTIOUS DISEASE  
FAES Classroom 6, Bldg. 10

Methicillin-resistant Staphylococcus aureus pathogenicity causes sustained lymphatic dysfunction  
Dennis Jones, PhD

How Cryptococcus neoformans crosses cellular barriers  
Felipe H. Santiago, PhD

Performance of machine-learning methods using electronic medical records to detect and predict a clinical infection  
Milena Gianfrancesco, PhD, MPH

Breaking the Sugar Code of HIV Persistence  
Mohamed Abdel-Mohsen, PhD

Caspase activation simultaneous to non-canonical necroptosis promotes inflammation during bacterial pneumonia  
Norberto Gonzalez-Juarbe, PhD

SESSION IIC  |  CARDIOVASCULAR & NEURAL DISORDERS: NEW APPROACHES  
FAES Classroom 7, Bldg. 10

Ferumoxytol Enhanced Magnetic Resonance Imaging for Patient-Specific Cardiovascular Applications  
Kim-Lien Nguyen, MD

Using pharmacogenomic genotyping data to define genetic ancestry in patients and enable population-specific pharmacogenomic implementation  
Wenndy Hernandez, MS, PhD

Understanding Social Motivation and Attention in Females with Autism Spectrum Disorder  
Clare Harrop, PhD

The effect of experimental reduction of pain catastrophizing on pain perception, nociceptive flexion reflex, and temporal summation of the nociceptive flexion reflex as verified by mediation analyses  
Ellen Terry, PhD

6:30—8:00 p.m.  SMALL GROUP NETWORKING DINNER  
*See individual meeting schedule for more information
**Wednesday, September 13**

**8:00—9:00 a.m.**   NETWORKING MEET & GREET  
*Building 40, Room 1201/1203*

**9:00—3:00 p.m.*   ONE-ON-ONE MEETINGS WITH NIH SCIENTIFIC PERSONNEL  
*See individual meeting schedule for more information*

**9:00—4:30 p.m.*   NIH RESEARCH FESTIVAL  
*See Research Festival schedule of events*

**12:00—1:30 p.m.**   INSIDE THE NIH INTRAMURAL RESEARCH PROGRAM (IRP)  
*Building 40, Room 1201/1203. For FRLC presenters only.*

**PART III | NAVIGATING IRP TENURE TRACK: A PANEL DISCUSSION**

**Carl Hashimoto, PhD** – Senior Advisor, Scientific Workforce Diversity & Office of Intramural Research  

**Courtney Fitzhugh, MD** – Lasker Clinical Research Scholar, National Heart, Lung, and Blood Institute  

**Chandra L. Jackson, PhD** – Stadtman Tenure-track Investigator, National Institute of Environmental Health Sciences  

**Aleksandra Nita-Lazar, PhD** – Tenure-track Investigator, National Institute of Allergy and Infectious Diseases  

**Douglas Stewart, PhD** – Stadtman Tenure-track Investigator, National Cancer Institute, Division of Cancer Epidemiology & Genetics

**3:30—5:00 p.m.**   FRLC POSTER SESSION | RESEARCH FESTIVAL POSTER SESSION  
*FAES Terrace, Bldg. 10*  
*See FRLC Poster Session schedule for more information*

**5:00—7:00 p.m.**   NETWORKING HOUR  
*Lawton Chiles International House (Stone House), Bldg. 16*
2017 NIH FUTURE RESEARCH LEADERS CONFERENCE

THURSDAY, SEPTEMBER 14

8:30—12:30 p.m. INTRODUCTION TO THE NIH GRANTS PROCESS AND FUNDING OPPORTUNITIES
Building 40, Room 1201/1203. For FRLC presenters only.

8:45—10:00 a.m. NIH Grant 101
Melissa Green Parker, PhD – Program Officer, Center for Translation Research & Implementation Science, National Heart, Lung, and Blood Institute

10:00—11:15 a.m. NIH Grants Review Process
Anna Riley, PhD – Scientific Review Officer, Division of AIDS, Behavioral and Population Sciences, Center for Scientific Review

11:15—11:30 a.m. BREAK

11:30—12:30 p.m. Breakout Sessions—Group Discussion facilitated by NIH Program Staff

12:30—1:00 p.m. GROUP PHOTO & SEND-OFF

9:00—5:00 p.m.* ADDITIONAL ONE-ON-ONE MEETINGS WITH NIH SCIENTIFIC PERSONNEL
*See individual meeting schedule for more information

9:00—5:00 p.m.* NIH RESEARCH FESTIVAL
*See Research Festival schedule of events