

National Human Genome Research Institute



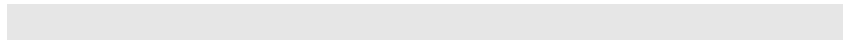
Short Course in Genomics

Agenda

Tuesday, July 16, 2024

- 9:00-9:30 a.m.** **Welcome and Introductions**
Beth Tuck, M.A.
Education and Community Involvement Branch, NHGRI
- 9:30-10:30 a.m.** ***“Enhancing Health Equity in the Field of Genomics”***
Vence Bonham, Jr., J.D.
Acting Deputy Director, NHGRI
- 10:30-11:00 a.m.** **NHGRI Educational Resource Demonstration**
Rosann Wise, M.A.
Education and Community Involvement Branch, NHGRI
- 11:00 a.m.-12 p.m.** ***“What Not to Expect When You Are Expecting: Receiving Prenatal Screening Results That Suggest Maternal Cancer”***
Amy Turriff, M.S.
Genetic Counselor, Prenatal Genomics & Therapy Section, NHGRI
- 12:00-12:30 p.m.** ***Lunch***
- 12:30-2:00 p.m.** **Keynote: *“Creating the Fourth Chapter of Human Genomics”***
Eric D. Green, M.D., Ph.D.
Director, National Human Genome Research Institute
- To prepare, visit: <https://www.genome.gov/2020SV> and read the [Action Agenda](#)
- 2:00-3:00 p.m.** ***“Using Genetic Techniques to Answer Questions in Environmental Science”***
Anna Davis, Ph.D.
Postdoctoral Fellow, Smithsonian Environmental Research Center

- 3:00-3:15 p.m.** **Break**
- 3:15-3:30 p.m** **Group Photo**
- 3:30-4:00 p.m.** **NHGRI Education and Training Opportunities Discussion**
 Lori Erby, Sc.M., Ph.D., CGC
 Program Director, Johns Hopkins University/NIH Genetic Counseling
 Training Program
 Oleg A. Shchelochkov, M.D.
 Senior Clinician and Director of Clinical and Laboratory Residencies and
 Fellowships, NHGRI's Office of the Clinical Director
 Kirkland Wilson, M.D., Ph.D.
 Chief Resident, NHGRI's Medical Genetics Residency Program
 Lucia Hindorff, Ph.D. (**VIRTUAL**)
 NHGRI Lead Extramural Training Program Director
- 4:00-4:30 p.m.** **NIH Research Training Opportunities Discussion**
 Britney Hardy, Ph.D.
 NIH Office of Intramural Training & Education
 Pnina Laric, M.S.
 NHGRI's Intramural Training Office
- 4:30-5:00 p.m.** **Educator Round Table: Debrief of the Day and Preview of the Week**
 Jedidiah Lobos, Ed.D. (2023 Short Course Alumnus)
 Dean of Mathematics, Sciences, and Engineering, Antelope Valley
 College
- 5:00pm** **Dismissal**



Wednesday, July 17, 2024

- 8:30-9:00 a.m.** **Genomics & Society Course Resource Development - Focus Group**
 Sarah Bates, M.S., M.A.
 Director, NHGRI Office of Communications
 Eric D. Green, M.D., Ph.D.
 Director, National Human Genome Research Institute
- 9:00-10:00 a.m.** **"Exploring Autoimmunity Genes: Why Diversity in Population
 Studies Matters"**
 Cristina Lanata, M.D.

Staff Clinician, NHGRI's Genomics of Autoimmune Rheumatic Disease Section

10:00 a.m.-12 p.m.

“Crafting Student-Centric Curricula with NCBI Resources”

Rana Morris, Ph.D.

Customer Experience Team Member and Outreach Program Lead,
National Center for Biotechnology Information

E. Sally Chang, Ph.D.

Education Team Lead, National Center for Biotechnology Information

12:00-1:00 p.m.

Lunch Break

1:00-5:00 p.m.

“16S Microbial DNA Barcoding with Oxford Nanopore Sequencing Workshop”

Jason Williams

Assistant Director, Diversity and Research Readiness, Cold Spring Harbor Laboratory, DNA Learning Center

5:00pm

Dismissal

Thursday, July 18, 2024

8:30-9:15 a.m.

Community of Practice (COP) Chat: QUBES, WhatsApp, and more!

Beth Tuck, M.A.

Education and Community Involvement Branch, ECIB

Jedidiah Lobos, Ed.D. (2023 Short Course Alumnus)

Dean of Mathematics, Sciences, and Engineering, Antelope Valley College

9:30-10:15 a.m.

Genomic Data Science Community Network (GDSCN) Q&A

Christina Daulton, M.A.

Partnerships and Engagement Officer, NHGRI's Training, Diversity and Health Equity Office

Shurjo Sen, Ph.D. (***VIRTUAL***)

Program Director, NHGRI's Division of Genome Sciences

10:15-10:30 a.m.

Walk to Lab Tour Locations

10:30-11:30 a.m.

Concurrent NIH Lab Tours

- Cytogenetics and Microscopy Core Facility Tour
Stephen Wincovitch, Sr.
NHGRI's Office of Scientific Core Facilities
- Neurorehabilitation and Biomechanics Lab Tour
Thomas Bulea, Ph.D.

Investigator, Neurorehabilitation and Biomechanics Section, NIH
Clinical Center

- 11:30-11:45 a.m.** ***Regroup and walk to FAES Classrooms 1&2***
- 11:45 a.m.-12 p.m.** **Teacher Round Table**
Larry Brody, Ph.D.
Director, Division of Genomics and Society, NHGRI
- 12:00-1:00 p.m.** ***Lunch Break***
- 1:00-5:00 p.m.** ***“16S Microbial DNA Barcoding with Oxford Nanopore Sequencing Workshop”***
Jason Williams
Assistant Director, Diversity and Research Readiness, Cold Spring Harbor Laboratory, DNA Learning Center
- 5:00pm** ***Dismissal***

Friday, July 19, 2024

- 8:30-9:00 a.m.** **Human Genome Project “Weekly Reader” - Focus Group**
Sarah Bates, M.S., M.A.
Director, NHGRI Office of Communications
Eric D. Green, M.D., Ph.D.
Director, National Human Genome Research Institute
- 9:00-10:00 a.m.** ***“Emerging Ethical, Legal and Social Implications in Genomics”***
Nicole Lockhart, Ph.D.
Dave Kaufman, Ph.D.
Sheethal Jose, Ph.D.
Program Directors, NHGRI’s Ethical, Legal, and Social Implications (ELSI) Research Program
- 10:00-10:50 a.m.** ***“Inborn Errors of Metabolism: Mitochondrial Disease”***
Eliza Gordon-Lipkin, M.D.
Staff Clinician, NHGRI’s Metabolic Medicine Branch
To prepare, watch Dr. McGuire’s presentation: [How do mitochondrial health contribute to health and disease?](#)
- 10:50-11:00 a.m.** ***Break***

- 11 a.m.-12:15 p.m.** ***“Cells in Action: Unraveling the Cell Cycle, Combating Cancer, and Exploring Clinical Trials”***
Jennifer Broo (2015 Short Course Alumnus)
Science Teacher, Mariemont High School
- 12:15-1:00 p.m.** ***Lunch Break***
- 1:00-2:00 p.m.** ***“Why Complete Genome References Matter and How We’re Using Them”***
Brandon Pickett, Ph.D.
Postdoctoral Fellow, NHGRI’s Genome Informatics Section
- 2:00-3:00 p.m.** ***Travel to NIH Intramural Sequencing Center***
- 3:00-4:30 p.m.** ***Tour of NIH Intramural Sequencing Center***
Jim Thomas, Ph.D.
Acting Director, NIH Intramural Sequencing Center
- 4:30-4:45 p.m.** ***2024 NHGRI Short Course Closing***
Program Evaluations, Final Teacher Round Table Discussions
- 4:45 p.m.** ***Program Concludes, Participants Depart***