



## Agenda with Assignments by Day (August 7-9, 2023)

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### **Monday, August 7, 2023**

9 AM-9:45 AM Pacific Time / 12 PM-12:45 PM Eastern Time

Welcome and Introductions – Beth Tuck, M.A., Donna Messersmith, Ph.D., Rosann Wise, M.A., and Larry Brody, Ph.D.

9:45 AM-10:50 AM Pacific Time / 12:45 PM-1:50 PM Eastern Time

Presentation and Q&A with Eric E. Green, M.D., Ph.D., Director, National Human Genome Research Institute, National Institutes of Health  
“*Creating the Fourth Chapter of Human Genomics*”

To prepare, visit: <https://www.genome.gov/2020SV> and read the [Action Agenda](#)

*10-minute break (10:50 AM-11 AM Pacific Time / 1:50 PM-2 PM Eastern Time)*

11 AM-12 PM Pacific Time / 2 PM-3 PM Eastern Time

Presentation and Q&A with Philip Shaw, B.M. B.Ch., Ph.D., Senior Investigator, Social and Behavioral Research Branch, National Human Genome Research Institute  
“*ADHD: Insights from Neuroimaging and Genomics*”

To prepare, watch Dr. Shaw’s presentation: [Attention deficit hyperactivity disorder: Insights from neuroimaging and genomics](#)

*1 hour break (12 PM-1 PM Pacific Time / 3 PM-4 PM Eastern Time)*

1 PM-2 PM Pacific Time / 4 PM-5 PM Eastern Time

Presentation and Q&A with Cristina Fernandez-Marco, Ph.D., Educator, DNA Learning Center, Cold Spring Harbor Laboratory  
“*Using DNA Subway to Analyze DNA Barcoding Sequences*”

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### **Tuesday, August 8, 2023**

9 AM-9:30 AM Pacific Time / 12 PM-12:30 PM Eastern Time

Daily Check-in

9:30 AM-10 AM Pacific Time / 12:30 PM-1 PM Eastern Time

Eric E. Green, M.D., Ph.D., Director, NHGRI & Sarah Bates, M.S., M.A., Chief, Office of Communications, NHGRI

*“Genomics and Society Course Resource Development Focus Group”*

10 AM-10:50 AM Pacific Time / 1 PM-1:50 PM Eastern Time

Presentation and Q&A with Sara Chandros Hull, Ph.D., Director of Bioethics Core, National Human Genome Research Institute

*“Grappling with ‘Classic’ Research Ethics Cases: An Exercise in Humility and Course Correction”*

*10-minute break (10:50 AM-11 AM Pacific Time / 1:50 PM-2 PM Eastern Time)*

11 AM-12 PM Pacific Time / 2 PM-3 PM Eastern Time

Presentation and Q&A with Shawn Burgess, Ph.D., Senior Investigator, Translational and Functional Genomics, National Human Genome Research Institute

*“Fundamentals of Gene Editing”*

To prepare, watch Dr. Burgess’ presentation: [Using CRISPR/Cas9 to knock-in or knock out genes](#)

*1 hour break (12 PM-1 PM Pacific Time / 3 PM-4 PM Eastern Time)*

1 PM-2 PM Pacific Time / 4 PM-5 PM Eastern Time

Presentation and Q&A with Anna Davis, Ph.D., Postdoctoral Fellow, Smithsonian Environmental Research Center

*“Using Genetic Techniques to Answer Questions in Environmental Science”*

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**Wednesday, August 9, 2023**

9 AM-9:30 AM Pacific Time / 12 PM-12:30 PM Eastern Time

Daily Check-in

9:30 AM-10:30 AM Pacific Time / 12:30 PM-1:30 PM Eastern Time

Presentation and Q&A with Neil Hanchard, M.B.B.S, D.Phil., Senior Investigator, Center for Precision Health, National Human Genome Research Institute

*“How We Can Use Genetic Diversity to Better Understand Complex Diseases of Childhood”*

10:30 AM-10:55 AM Pacific Time / 1:30 PM-1:55 PM Eastern Time

NHGRI Resource Demonstration by Rosann Wise, M.A.

*“Genome: Unlocking Life’s Code” Website*

*5-minute break (10:55 AM-11 AM Pacific Time / 1:55 PM-2 PM)*

11 AM-12 PM Pacific Time / 2 PM-3 PM Eastern Time

Presentation and Q&A with Peter McGuire, M.D., Investigator, Metabolic Medicine Branch, National Human Genome Research Institute

*“Inborn Errors of Metabolism: Mitochondrial Disease”*

To prepare, watch Dr. McGuire's presentation: [How do mitochondrial health contribute to health and disease?](#)

*1 hour break (12 PM-1 PM Pacific Time / 3 PM-4 PM Eastern Time)*

1 PM-2 PM Pacific Time / 4 PM-5 PM Eastern Time

Presentation and Q&A with Adam M. Phillippy, Ph.D., Senior Investigator, Computational and Statistical Genomics Branch, National Human Genome Research Institute  
*"The First Truly Complete Sequence of a Human Genome"*

2 PM-2:15 PM Pacific Time / 5 PM-5:15 PM Eastern Time

Parting Thoughts: Beth Tuck, M.A., Larry Brody, Ph.D., Donna Messersmith, Ph.D., and Rosann Wise, M.A.