

2021 NHGRI Research Training and Career Development Annual Meeting

April 19 – April 21, 2021

A Virtual Meeting Hosted by the UCLA T32 Program

Meeting Website is <https://uclahs.fyi/nhgri2021-website>

Monday, April 19, 2021 — All times are Eastern Time!	
12:30 – 1:00pm	Admission to virtual meeting at https://uclahs.fyi/nhgri2021
1:00 – 1:15pm	Welcome and Opening Remarks: Francis Collins , NIH Director <i>Introduction by Tina Gatlin, NHGRI</i>
1:15 – 2:45pm	Discussion of Race in Genetics Research <i>Moderator:</i> Carla Easter , Smithsonian National Museum of Natural History Keynote Address: <i>Keynote Speaker:</i> Angela Saini , Science Journalist & Author <i>Title:</i> <u>THE USE AND MISUSE OF RACE IN GENETICS</u> <i>Panelists:</i> Faith Fletcher , Baylor University Ewan Birney , EMBL-EBI Vence Bonham , NHGRI
2:45 – 2:55pm	Break (10 minutes)
2:55 – 3:45pm	Concurrent Career Development Sessions https://uclahs.fyi/nhgri2021 (1) Engaging with Your Mental and Emotional Health <i>Moderator:</i> Eric Sobel , UCLA <i>Panelists:</i> JD Barton , UCLA Jermaine Bean , UCLA Tina Del Carpio , UCLA (2) Navigating the NIH Grant Application Process https://uclahs.zoom.us/j/94081507907?pwd=ZnhqcXJWeUIPTiFyUWhudjdGWF14UT09 <i>Panelists:</i> Heather Colley , NHGRI Lisa Chadwick , NHGRI (3) COVID-19 Town Hall https://uclahs.zoom.us/j/93493983076?pwd=S1NMcmNUSklzbnlGZWZ1SkJKOTBXdz09 <i>Panelists:</i> Elise Feingold , NHGRI Teri Manolio , NHGRI
3:45 – 3:55pm	Break (10 minutes)
3:55 – 4:25pm	Trainee Scientific Talks #1 https://uclahs.fyi/nhgri2021 Three Presenters (10-minute talks each, including Q&A) <i>Moderator:</i> Anandi Krishnan , Stanford University Jazlyn Mooney , Stanford University <i>On the number of genealogical ancestors tracing to the source groups of an admixed population</i> Juan Gudino , University of Iowa <i>Regulating desirability: Immigration and eugenics in California's state eugenics law</i> Elizabeth Jasper , Vanderbilt University Medical Center <i>Association of genetically-predicted placental gene expression with birth weight</i>

<p>4:25 – 4:40pm</p>	<p>Poster Session Lightning Talks #1 https://uclahs.fyi/nhgri2021 Ten Presenters (1-minute plugs for their talks in Poster Session #1) Moderator: Kurt Christensen, Harvard Pilgrim Health Care Institute</p> <p>Alison Antes, Washington University in St. Louis <i>What did principal investigators prioritize when making decisions about conducting “essential” research during the COVID-19 pandemic?</i></p> <p>Rachel Cohn, University of Connecticut, Jackson Laboratory <i>Investigation of TNNT2 genetic variants in heart failure</i></p> <p>Hayden Davis, University of Washington <i>Does pheromone diversification play a key role in reproductive isolation?</i></p> <p>Arya Kaul, Harvard University <i>Genomics of resistance before the age of antibiotics</i></p> <p>Kathleen Mittendorf, Kaiser Permanente Center for Health Research <i>Can a patient-facing family history collection tool serve as an alternative modality for hereditary cancer risk assessment in medically underserved communities?</i></p> <p>Jeffrey Okamoto, University of Michigan <i>Single nuclei resolution chromatin profiling in skeletal muscle across 287 individuals reveals differential accessibility by sex, age, and T2D-related traits.</i></p> <p>Kara Quaid, Washington University, St. Louis <i>Defining the functional relationship between genetic and epigenetic variation in human iPSCs</i></p> <p>Cameron Thomas, University of Florida <i>Impact of the ABCD-GENE score on cardiovascular outcomes with CYP2C19-guided antiplatelet therapy after PCI: a multi-site, real-world investigation</i></p> <p>Bryan Thornlow, University of California, Santa Cruz <i>SARS-CoV-2 phylogenetics and genomic contact tracing</i></p> <p>Wei Zhou, Massachusetts General Hospital & Harvard University <i>Global biobank meta-analysis initiative: collaborative efforts of biobanks to power genetic discovery across human diseases with > 2.5 million samples</i></p>
<p>4:40 – 4:50pm</p>	<p>Break (10 minutes)</p>
<p>4:50 – 5:50pm</p>	<p>Poster Session #1</p>

Moderated Networking Cafés

<https://uclahs.zoom.us/j/98551475403?pwd=aFVaK2x4M1pVRS9iSjdnNG1lb1JXZz09>

Topics:

(1) *Working in Academia:*

Michael Boehnke, University of Michigan

Angela Brooks, University of California, Santa Cruz

(2) *Working in Industry:*

Marie-Luise Brennan, NIH

Erica Ramos, Genome Medical, Inc.

(3) *Talk to NHGRI Program Officer:*

Dave Kaufman, NHGRI

Mike Pazin, NHGRI

Robb Rowley, NHGRI

(4) *Science Communication:*

Sarah Bates, NHGRI

Prabana Ganguly, NHGRI

Jenn Montooth, NHGRI

(5) *Science Policy:*

Amanda Conti, NHGRI

Allison McCague, NHGRI

Catharine Krebs, Physicians Committee for Responsible Medicine

(6) *ELSI:*

Joy Boyer, NHGRI

Steve Joffe, University of Pennsylvania

Nicole Lockhart, NHGRI

(7) *Genome Sciences:*

Carol Bult, Jackson Laboratory

Brenton Graveley, University of Connecticut

(8) *Genomic Medicine:*

Bruce Korf, University of Alabama, Birmingham

Heidi Rehm, Harvard University

(9) *Finding a Postdoctoral Position:*

Jason Moore, University of Pennsylvania

H Joseph Yost, University of Utah

(10) *How to Start a Company:*

Jay Shendure, University of Washington

Mike Snyder, Stanford University

5:50 – 6:50pm

Tuesday, April 20, 2021 — All times are Eastern Time!	
12:30 – 1:00pm	Admission to virtual meeting at https://uclahs.fyi/nhgri2021
1:00 – 1:45pm	<p>Welcome & Keynote Speaker Introduction: Jeanette Papp, UCLA</p> <p>Keynote Address: <i>Keynote Speaker: Harold Pimentel</i>, UCLA <i>Title: SEQ AND YOU WILL FIND</i></p>
1:45 – 1:55pm	Break (10 minutes)
1:55 – 2:45pm	<p>Concurrent Career Development Sessions</p> <p>(1) Engaging with Your Mental and Emotional Health https://uclahs.fyi/nhgri2021 <i>Moderator: Eric Sobel</i>, UCLA <i>Panelists: JD Barton</i>, UCLA <i>Jermaine Bean</i>, UCLA <i>Tina Del Carpio</i>, UCLA</p> <p>(2) Navigating the NIH Grant Application Process https://uclahs.zoom.us/j/94081507907?pwd=ZnhqcXJWeUJPTiFyUWhudjdGWF14UT09 <i>Panelists: Heather Colley</i>, NHGRI <i>Lisa Chadwick</i>, NHGRI</p> <p>(3) COVID-19 Town Hall https://uclahs.zoom.us/j/93493983076?pwd=S1NMcmNUSklzbmlGZWZ1SkJKOTBXdz09 <i>Panelists: Lucia Hindorff</i>, NHGRI <i>Carolyn Hutter</i>, NHGRI</p>
2:45 – 2:55pm	Break (10 minutes)
2:55 – 3:25pm	<p>Concurrent Sessions</p> <p>(1) Trainee Scientific Talks #2 https://uclahs.fyi/nhgri2021 Three Presenters (10-minute talks each, including Q&A) <i>Moderator: PingHsun Hsieh</i>, University of Washington Elias Awad, University of Alabama, Birmingham <i>Rescue of NF1 cryptic splice site in exon 13 mRNA with antisense morpholino treatment</i> Lana Harshman, University of California, San Francisco <i>Functional characterization of gene regulatory elements differentiating modern and archaic humans</i> Alicia Dominguez, University of Michigan <i>Population structure mediates the tradeoff between accuracy and generalizability of polygenic risk scores of bipolar disorder.</i></p> <p>(2) Executive Session: Training Coordinators Only https://uclahs.zoom.us/j/96687836794?pwd=VIJrTDRKVEZnRlRqM0NaTctEZnV3dz09 Recruitment, Retention, Collaboration <i>Moderator: Tina Gatlin</i>, NHGRI <i>Panelists: Debra Murray</i>, Baylor University DAP <i>Zia Isola</i>, University of California, Santa Cruz DAP</p>

<p>3:25 – 3:40pm</p>	<p>Poster Session Lightning Talks #2 https://uclahs.fyi/nhgri2021</p> <p>Ten Presenters (1-minute plugs for their talks in Poster Session #2) Moderator: Dustin Baldrige, Washington University, St. Louis</p> <p>Sydney R. Anderson, Washington University, St. Louis <i>Identification of long non-coding RNAs as biomarkers for multiple myeloma progression</i></p> <p>Matthew Bailey, University of Utah <i>Enhanced drug-screening informatics in tumor organoids provides improved metrics for precision oncology</i></p> <p>Daniel Chavez-Yenter, University of Utah <i>“La Piedra Rosetta”: a content analysis of health-specific stories on genetic testing from U.S. national Spanish-language news outlets</i></p> <p>Katherine Hendy, University of Michigan <i>Biomedicalized discussions of genomics and addiction in media discussions of opioid epidemic</i></p> <p>Daphne Martschenko, Stanford University <i>Building a public repository of FAQs: genomic findings on social and behavioral outcomes</i></p> <p>Evonne McArthur, Vanderbilt University <i>Quantifying the relationship between 3D genome structure and the genetic architecture of complex traits</i></p> <p>Gwen Miller, Broad Institute <i>Genomic characterization of the Cancer Cell Line Factory’s patient-derived models</i></p> <p>Ashley Robbins, University of Pennsylvania <i>Spatiotemporal profiling of the adult murine cerebellum at single-cell resolution via in situ split-pool barcoding</i></p> <p>Thomas Sasani, University of Washington <i>Discovery of a quantitative trait locus for the germline mutation rate in mice</i></p> <p>Mike Thompson, UCLA <i>Context-specific transcriptome-wide association studies</i></p>
<p>3:40 – 3:50pm</p>	<p>Closing Remarks: Luis Cubano, NHGRI</p>
<p>3:50 – 4:50pm</p>	<p>Poster Session #2</p>
<p>4:50 – 5:00pm</p>	<p>Break (10 minutes)</p>

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Jason Moore, University of Pennsylvania

(10) *How to Start a Company:*

Steve Fodor, 13.8, Inc.

David C Schwartz, University of Wisconsin

5:00 – 6:00pm

Wednesday, April 21, 2021 (by invitation only) — **All times are Eastern Time!**

1:00 – 2:00pm	Executive Session: Pls, Training Coordinators, NHGRI Staff and Advisors https://nih.zoomgov.com/j/1606399021?pwd=cDhxZHFxV1VXVENLMHpZRndaV2JXZz09 <i>Moderator:</i> Luis Cubano , NHGRI
2:00 – 2:10pm	Break (10 minutes)
2:10 – 3:10pm	Executive Session: NHGRI Staff and Advisors <i>Moderator:</i> Luis Cubano , NHGRI