


2019 NHGRI Research Training and Career Development Annual Meeting

The Chase Park Plaza Royal Sonesta, St. Louis, MO

Sunday, April 7

Time	Session	Room Location
1:30-3:00 pm	Poster Setup & Meeting Registration	Khorassan Ballroom
3:00	Welcome Joy Boyer, NHGRI	Khorassan Ballroom
3:05	NHGRI Strategic Planning Session Eric Green, NHGRI Director, Heather Colley, Carolyn Hutter, Tina Gatlin, and Dave Kaufman, NHGRI	
4:35	Training Programs in the Biomedical Sciences at the NIH Intramural Program Belen Hurle, NHGRI	
5:00-6:30	Opening Reception	Zodiac Ballroom (11 th floor)

Monday, April 8

Time	Session	Room Location
7:00-8:00 am	Buffet Breakfast	Starlight Ballroom (11 th floor)
7:00-8:00	Poster Setup	Khorassan Ballroom
8:00	Meeting Announcements Heather Colley, NHGRI	Khorassan Ballroom
8:05	Keynote: Enhancing Ethical Genomic Research with Indigenous Communities Keolu Fox, University of California, San Diego	
9:05	Poster Session 1: Odd Numbered Posters 	
10:25	Trainee Platform Talks Moderator: Jennifer Posey, Baylor College of Medicine Kurt Christensen: Impact of Newborn Genomic Sequencing on Short-Term Healthcare Utilization and Associated Costs: Preliminary Findings from the BabySeq Project, Brigham and Women's Hospital Celeste Diaz: Pooled Cell Painting for Massively Multiplexed Optical Phenotyping, Broad Institute Andreana Holowatyj: Multi-omics analysis reveals a distinct molecular phenotype in patients with young-onset colorectal cancer, University of Utah Benjamin DeMeo: Geometric sketching of single-cell data preserves transcriptional structure, Harvard University	

Trainee Platform Talks (continued)

Madison Kilbride: The FDA's regulatory language for DTC genetic tests (e.g. 23andMe's BRCA1/BRCA2 genetic test) may confuse consumers and providers, *University of Pennsylvania*

11:30

Networking Plated Lunch
Program Director Bios available on website ([click here](#))

Starlight Ballroom
(11th floor)

1:15 pm

Trainee Platform Talks
Moderator: **Steven Reilly**, *Broad Institute*

Khorassan
Ballroom

Brittany Baur: Leveraging public epigenomic datasets to examine the role of regulatory variation in the three-dimensional organization of the genome, *University of Wisconsin-Madison*

Juan Macias-Velasco: Epistatic Networks Associated with Parent-of-Origin Effects on Metabolic Traits, *Washington University in St. Louis*

Kellie Owens: Clinicians' Management of Uncertainty in Genetic Testing for Inherited Cardiac Disease, *University of Pennsylvania*

Samuel Rubinstein: Compound somatic mutations in the GENIE cancer database: A descriptive analysis, *Vanderbilt University*

Carolyn Baloh: A novel approach to develop a genetic model of common variable immune deficiency (CVID), *Duke University*

2:05

CONCURRENT SESSIONS

Career Development

Khorassan
Ballroom

Making the Most of Mentoring

All Undergraduate, Post-Baccalaureate, and Graduate Student Trainees
Moderators: **Bruce Birren**, *Broad Institute*; **Zia Isola**, *UCSC*

Negotiation and Faculty Positions

All Postdoc and Junior Faculty Trainees
Moderator: **Steven Joffe**, *University of Pennsylvania*
Panelists: **Michael Boehnke**, *University of Michigan*; **Julie Johnson**, *University of Florida*; **Scott Roberts**, *University of Michigan*; **Gail Jarvik**, *University of Washington*

Regency
Ballroom

3:05

Group Photograph + Break

3:20

CONCURRENT SESSIONS

Regency
Ballroom

Session for Training Program Coordinators

Moderators: **Louise Pape**, *University of Wisconsin-Madison*; **Zia Isola**, *UCSC*

Trainee Lightning Talks

All Trainees
Moderator: **Bettie Graham**, *NHGRI*

Khorassan
Ballroom

Colin Halverson: Patients' Experience with Reclassifications, *Vanderbilt University*

Trainee Lightning Talks (continued)

Emily Robitschek: In vivo CRISPR screening identifies novel cancer immunotherapy targets that overcome known mechanisms of immunotherapeutic resistance, *Broad Institute*

Marie Mooney: Analysis of single nucleotide variants in zebrafish embryos after CRISPR-Cas9 editing shows no evidence of off-target inflation, *Duke University*

Rebecca Wilbanks: How to (ethically) do things with fiction, *Johns Hopkins*

Joseph Park: A genome-first approach to aggregating rare genetic variants in LMNA for association with electronic health record phenotypes, *University of Pennsylvania*

Sedona Murphy: Investigating phase transition principles dictating the dynamic folding of Polycomb-repressed DNA, at high resolution in an in vivo developmental context with single cell specificity, *Stanford University*

Janie DeFriez: Beyond Breakthrough: Discourse and Communities Around Genetic Testing on Twitter, *University of Utah*

Brittney Davis: Prevalence of high actionability pharmacogenetic variants among African Americans and European Americans in Alabama, *University of Alabama*

Shirley Nieves-Rodriguez: A novel synonymous DNA variant in SEPSECS and potential for development of patient specific antisense oligonucleotide therapeutic, *UCLA*

Karla Claudio: Do Tourette Syndrome, attention deficit hyperactivity disorders and obsessive-compulsive disorder share genetic risk with non-psychiatric traits?, *University of Florida*

Kyle Campbell: Human term placental villous tissue gene expression: single-cell and sorted cell-type specific profiling, *University of Michigan*

Amelia Wallace: Targeted enrichment and long-read sequencing to genotype medically-relevant genes that cannot be assayed using short-read technologies, *University of Utah*

Dain Brademan: A Web-based Platform for Custom Multi-Omic Data Visualization and Analysis, *University of Wisconsin-Madison*

Alexander Schmitz: How Does Synonymous Codon Usage Affects Gene Expression Noise in *Escherichia coli*?, *Washington University in St. Louis*

Joseph Yracheta: Community Engagement, Action and Raising the Civic Consciousness in Amerindigenous Communities, *University of Oklahoma*

4:35

Genomics: Insights – Musings from Trainees’ Lenses
Carla Easter, NHGRI; **Ragan Hart**, *Stanford University*

Khorassan
Ballroom

4:50

Poster Session 2: Even Numbered Posters



6:00

ADJOURN

6:00-7:15

Networking Happy Hour (at your own expense)

The Drunken Fish

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Tuesday, April 9

Time	Session	Room Location
7:00-8:00 am	Buffet Breakfast	Starlight Ballroom (11 th floor)
8:15	Work-life Balance in Genomics Moderator: Alison Antes , <i>Washington University in St. Louis</i> Panelists: Mildred Cho , <i>Stanford University</i> ; Nancy Cox , <i>Vanderbilt University</i> ; Gail Jarvik , <i>University of Washington</i> ; Peter Park , <i>Harvard University</i> ; Katherine Nathanson , <i>University of Pennsylvania</i> ; Jeanette Papp , <i>UCLA</i>	Khorassan Ballroom
9:05	Break	
CONCURRENT SESSIONS		
9:15	Mock Grant Review All Trainees Scientific Review Officer: Rudy Pozzatti , <i>NHGRI</i> ; Review Chair: Ira Hall , <i>Washington University in St. Louis</i> Trainee Participants: Elizabeth Gonzalez , <i>Broad Institute</i> ; Rachel Dalton , <i>University of Florida</i> ; Sidharth Jain , <i>Broad Institute</i> ; Prakriti Paul , <i>Princeton University</i> ; Ryan Clark , <i>University of Wisconsin-Madison</i> ; Anika Gupta , <i>Harvard University</i> ; Julie Beans , <i>University of Oklahoma</i> ; Brittney Davis , <i>University of Alabama</i> PI Participants: Carol Bult , <i>The Jackson Laboratory</i> ; David Schwartz , <i>University of Wisconsin-Madison</i> ; Julie Johnson , <i>University of Florida</i>	Khorassan Ballroom

	Executive Session for Program PIs/Coordinators Moderators: Michael Snyder , <i>Stanford University</i> ; Susanne Haga , <i>Duke University</i>	Regency Ballroom
10:45	Break	
CONCURRENT SESSIONS		
10:55	Input on Strategic Planning for Data Science Training Executive Session for NHGRI staff and Program PIs/Coordinators Moderators: Carolyn Hutter , <i>NHGRI</i> ; Tina Gatlin , <i>NHGRI</i>	Regency Ballroom

	Trainee Platform Talks Moderator: Megan Allyse , <i>Mayo Clinic</i> James Hazel: Law Enforcement and Genetic Data: An Empirical Assessment of the Relative Intrusiveness of Various Law Enforcement Activities , <i>Vanderbilt University</i>	Khorassan Ballroom

Trainee Platform Talks (continued)

Carl de Boer: Deciphering Eukaryotic Cis-Regulatory Logic With 100 Million Random Promoters, *Broad Institute*

Heather Dron: Communicating Research about Birth Defects: Publicity about Environmental Teratogens 1950-1974, *Stanford University*

Julie Beans: The development of a genetics and biological specimen survey for three American Indian and Alaska Native communities – a cognitive interview study, *University of Oklahoma*

Yixuan He: Gene and Environment Predictive Model for Lung Function in the UK, *Harvard University*

11:45	Networking Box Lunch Program Director Bios available on website (click here)	Starlight Ballroom (11 th floor)
1:15 pm	Closing Remarks Tina Gatlin , <i>NHGRI</i>	Starlight Ballroom (11 th floor)
1:20	ADJOURN	
1:20	Closed Executive Session with DACC, NHGRI, and Advisors	Regency Ballroom