

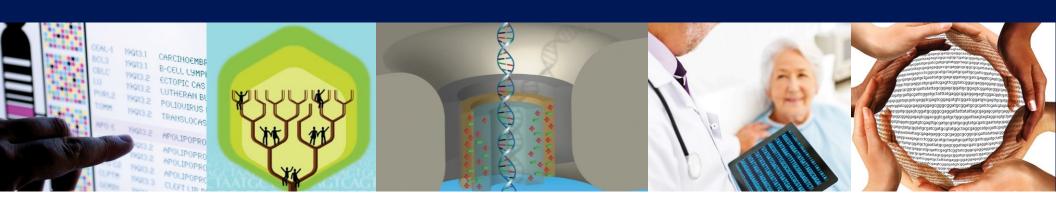


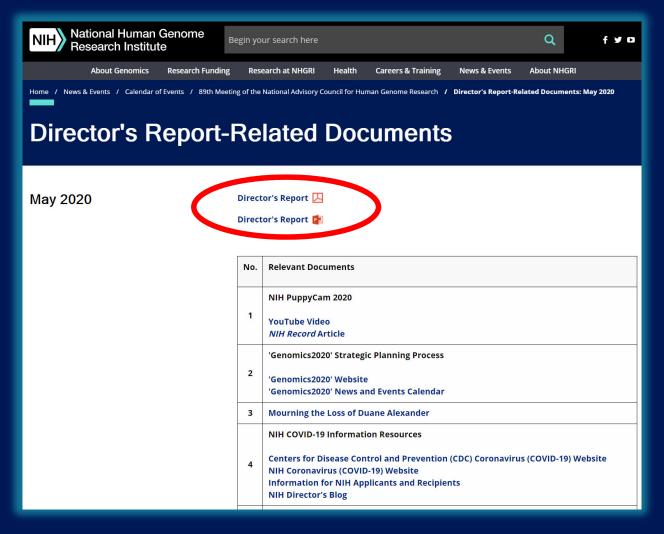


DIRECTOR'S REPORT

Eric Green, M.D., Ph.D. Director, NHGRI

May 2020





genome.gov/DirectorsReport



Open Session Presentations

Concept Clearances:

Research Experiences in Genomic Research for Genetic Counselors

Luis Cubano

Research Experiences in Genomic Research for Data Scientists

Luis Cubano

Technology Development for Single-Molecule Protein Sequencing

Tina Gatlin

Investigator-initiated Research on Genetic Counseling Processes and Practice

Ebony Madden

Director's Report Outline

- I. General NHGRI Updates
- II. General NIH Updates
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- V. NIH Common Fund/Trans-NIH
- VI. NHGRI Division of Policy, Communications, and Education
- VII. NHGRI Intramural Research Program

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Genomics on Capitol Hill



Rep. Eric Swalwell (CA-15) and NHGRI Director Dr. Eric Green

NIH PuppyCam 2020



'Genomics2020' Strategic Planning Process















October 2020 Publication







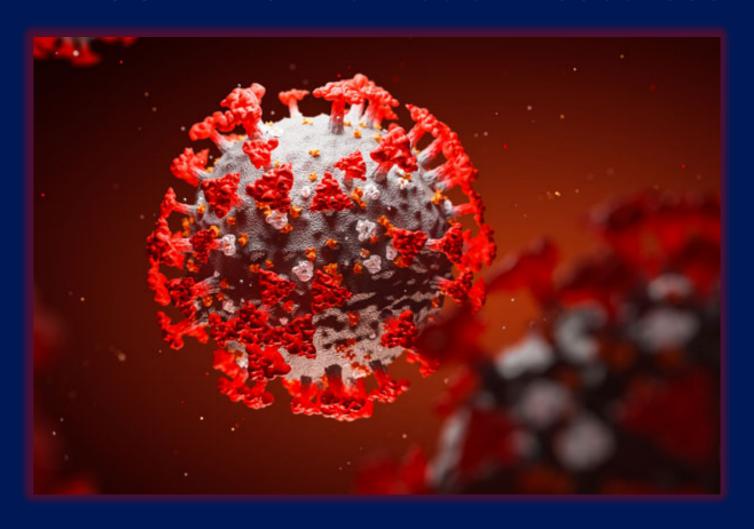
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Mourning the Loss of Duane Alexander



NIH COVID-19 Information Resources



Funding for COVID-19 Research



Fiscal Year 2020 Appropriations

	Fiscal Year 2019 Labor-HHS Appropriation	Fiscal Year 2020 Labor-HHS Appropriation	\$ Increase	% Increase
NIH	\$39.1 B	\$41.7 B	~\$2.6 B	~6.6%
NHGRI	\$575 M	\$606 M	~\$31 M	~5.4%

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Mourning the Loss of Ken Paigen



Mourning the Loss of Mary Shimoyama



Mourning the Loss of James Taylor



Elected to National Academy of Sciences

Brenda Andrews

Hugo Bellen

Bonnie Berger

Howard Chang

Arul Chinnaiyan

Victor Corces

Adrian Krainer

Kerstin Lindblad-Toh

Molly Przeworski

Mark Stoneking



New Executive Vice President of Genentech Research and Early Development



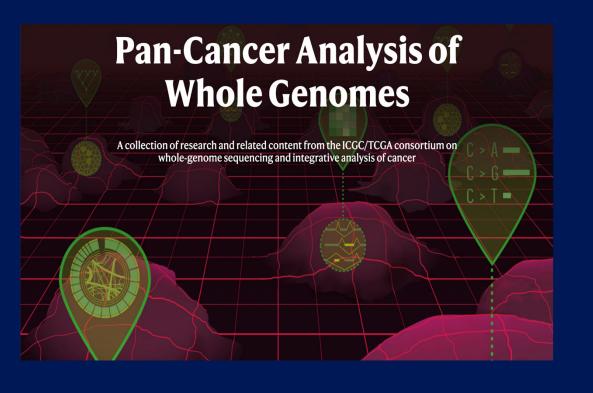


Aviv Regev, Ph.D.

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ICGC/TCGA Pan-Cancer Analysis



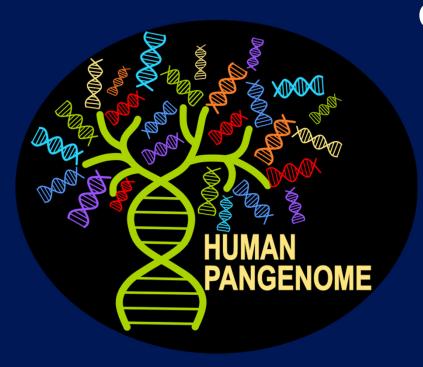
- Publication of *Nature* Collection with 24 papers,
 data portals, and datasets
- Cross-tumor analysis of >2600 cancer genomes
- Discovery of fundamental cancer biology
- Innovations in large-scale cloud-based data sharing

Mendelian Genomics Research Consortium Receipt Dates Extended

Funding Opportunity Title	Mendelian Genomics Research Centers	
Funding Opportunity Announcement (FOA) Number	RFA-HG-20-007	
Funding Opportunity Title	Mendelian Genomics Data Coordinating Center (U24 Clinical Trial Not Allowed)	
Funding Opportunity Announcement (FOA) Number	RFA-HG-20-008	

Applications are now due July 15, 2020

Human Genome Reference Program



Genome Reference Representations:

Heng Li



Mark Chaisson



Hanlee Ji



Technology Development Program



Funding Opportunity Announcements:

- Novel Synthetic Nucleic Acid Technology Development R01 (RFA-HG-20-014) and linked R21, R43/R44
 Due date: June 24, 2020
- NHGRI Technology Development Coordinating Center U24 (RFA-HG-20-019)
 Due date: June 24, 2020
- Novel Nucleic Acid Sequencing Technology Development R01 (RFA-HG-18-001) and linked R21, R43/R44 Due date: June 26, 2020

Phenotypes and Exposures (PhenX) Toolkit



For access to current COVID-19 protocols, click here.

Center for Economic and Social Research (CESR) CESR Contact ✓	Annotation
Coronavirus Tracking Survey of the Understanding America Survey (UAS)	Full Survey
COVID-19 Symptoms, Status, and Healthcare	Symptoms, Status and Health Care
COVID-19 Knowledge, Attitudes, and Avoidant Behaviors	Knowledge, Attitudes and Avoidant Behaviors
Centers for Disease Control and Prevention (CDC) CDC Contact ✓	Annotation
Novel Coronavirus Person Under Investigation (PUI) and Case Report Form	Symptoms, Diagnosis and Travel History
Montreal Behavioural Medicine Centre (MBMC) MBMC Contact 1 ✓, MBMC Contact 2 ✓	Annotation
COVID-19 International Survey (CIS)	Full Survey
Social Distancing and Hygiene - [COVID Specific]	Social Distancing and Hygiene

To submit a COVID-19 related protocol for consideration, please click here



Domains:

- Symptoms
- Knowledge and attitudes
- Adherence to mitigation behaviors
- Social impacts
- Economic impacts



Clinical Genome Resource (ClinGen) Genomic Expert Curation Panels PAR-20-101



- Curate genes and variants associated with high-priority diseases
- Use ClinGen curation frameworks and tools
- Deposit assertions into ClinVar

Application due dates:

May 27, 2020; May 27, 2021; May 27, 2022

Polygenic Risk Score Diversity Consortium Funding Opportunity Announcements

Funding Opportunity Title

Polygenic Risk Score (PRS) Methods and Analysis for Populations of Diverse Ancestry – Study Sites (U01 Clinical Trial Not Allowed)

Funding Opportunity Announcement (FOA) Number

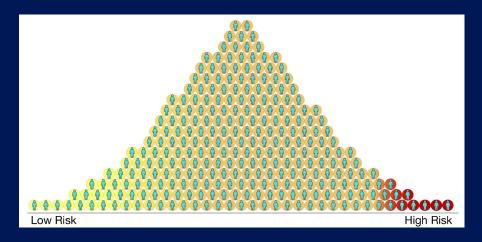
RFA-HG-20-001

Funding Opportunity Title

Polygenic Risk Score (PRS) Methods and Analysis for Populations of Diverse Ancestry – Coordinating Center (U01 Clinical Trial Not Allowed)

Funding Opportunity Announcement (FOA) Number

RFA-HG-20-002



Applications due on June 23, 2020

Stakeholder Engagement Supplements

September 2019 Strategic Planning Workshop on Genomics in Medicine and Health

Notice of Special Interest: Notice of Administrative Supplements for Stakeholder Engagement in Genomic Medicine Research

Notice Number: NOT-HG-20-031

Key Dates

Release Date: April 2, 2020

First Available Due Date: March 30, 2020

Expiration Date: May 16, 2020

Training and Career Development

February 2020 Report from Training and Education Task Force

Notice of Special Interest (NOSI): Availability of Administrative Supplements for Providing Research Experiences in Genomic Research for Genetic Counselors Notice of Special Interest (NOSI): Availability of Administrative Supplements for Providing Research Experiences for Data Scientists Notice of Special Interest (NOSI): Administrative Supplements for Development of Training Modules in Genomic Medicine for Health Care Professionals Fii Notice of Special Interest (NOSI): Administrative Supplements to NINR Predoctoral Training Grants to Enhancing Training in Genomics Κe Rel Firs Notice Number: NOT-NR-20-003 Exp **Key Dates** Release Date: March 27, 2020 First Available Due Date: May 15, 2020

Extramural Meeting Schedule Changes

- H3Africa Consortium Meeting: Virtual March 2020
- AnVIL and Interoperability of NIH Cloud-based Platforms:
 Virtual March 2020
- AnVIL and NIH Cloud-based Platforms: Virtual April 2020
- NIH Sustainability and Future Directions of Undiagnosed Diseases Network Workshop: Virtual – April 2020
- IGNITE II Steering Committee Meeting: Virtual April 2020
- Genome Sequencing Program Meeting: Virtual April 2020

Extramural Meeting Schedule Changes

- Advanced Genomic Technology Development:
 Virtual May 26-29, 2020 (tentative)
- CSER Spring 2020 Meeting: Virtual May 29, 2020
- GWAS Catalog Summary Statistics Workshop:
 Virtual & Re-scheduled June 1-2, 2020
- AnVIL/GSP Jamboree: Virtual June 11-12, 2020
- ELSI Virtual Forum: New June 15-16, 2020
- 5th ELSI Congress: Re-scheduled March 22-24, 2021
- GM XIII: Genomics and Public Health Meeting: Postponed TBD
- Curating the Clinical Genome: Postponed TBD

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Human Heredity and Health in Africa (H3Africa)

- H3Africa investigators guiding African response to COVID-19
- Christian Happi (Nigeria) and African Center of Excellence for Genomics of Infectious Diseases: Sequenced first African SARS-CoV-2 genome Sequencing samples from all COVID-19 patients in



Christian Happi

• Additional H3Africa investigators involved in international and domestic response to COVID-19:

Mogomotsi Matshaba, Lynn Morris, Ambroise Wonkam,

& Elizabeth Mayne (South Africa)

Seydou Doumbia (Mali)

African Union

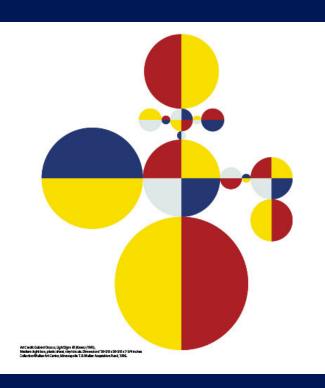
Leon Mutesa (Rwanda)

Dwomoa Adu (Ghana)

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Ken Burns Presents The Gene: An Intimate History





National DNA Day 2020



#DNADay2020 @DNADay

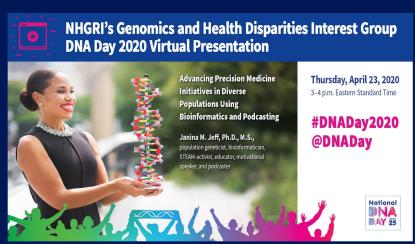
Thursday, April 9, 2020. 1:00-2:00 p.m.



Join us for a DNA Day chat! We'll be highlighting genomic and genetic resources allowing you to celebrate DNA Day in your home, on your mobile phone, or personal computer.







Inter-Society Coordinating Committee for Practitioner Education in Genomics



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HHS Career Achievement Award



MIT Technology Review

MIT News feature

The doctor of nearly lost causes

Bill Gahl, M.D., Ph.D.



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Thanks!



Special Thanks!

