DIRECTOR'S REPORT

National Advisory Council for Human Genome Research

May 2015

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





Director's Report-Related Documents: May 2015



No.	Relevant Documents		
1	Harold Varmus Departs as NCI Director Varmus Stepping Down as Director of NIH's National Cancer Institute Douglas Lowy Named Acting Director of the National Cancer Institute		
2	Jack Whitescarver Steps Down as Director, NIH Office of AIDS Research		
3	New Director, National Institute on Minority Health and Health Disparities		
4	New NIH Associate Director for Legislative Policy and Analysis		
5	NIH Genomic Data in the Cloud Policy NIH Statement: Use of Cloud Computing Services for Storage and Analysis of Controlled-Access Data Subject to the NIH Genomic Data Sharing Policy Input Output Blog Post: The Cloud, dbGaP and the NIH		

genome.gov/DirectorsReport



Open Session Presentations

Concept Clearance:

 Workshop Report: "From Genome Function to Biomedical Insight— ENCODE and Beyond"

Mike Pazin

Concept Presentation: Functional Genomics

Elise Feingold

Open Session Presentations

Clinical Sequencing Exploratory Research Program

Gail Jarvik

NHGRI ClinSeq Project

Les Biesecker

Open Session Presentations

Concept Clearances:

 Concept Presentation: Data Analysis and Coordinating Center for Diversity Action Plans and Institutional Training Grants

Tina Gatlin

- Workshop Report: "Genomic Technology Development"
- Concept Presentation: Genomic Technology
 Development

Mike Smith

Director's Report Outline

- I. General NHGRI Updates
- II. General NIH Updates
- **III. General Genomics Updates**
- IV. NHGRI Extramural Research Program
- V. NIH Common Fund/Trans-NIH
- VI. NHGRI Division of Policy,

 Communications, and Education
- VII. NHGRI Intramural Research Program

Director's Report Outline

- I. General NHGRI Updates
- II. General NIH Updates
- III. General Genomics Updates
- IV. NHGRI Extramural Research Program
- V. NIH Common Fund/Trans-NIH
- VI. NHGRI Division of Policy,

 Communications, and Education
- VII. NHGRI Intramural Research Program

Retirement of NHGRI Chief Grants Management Officer



Cheryl Chick

Departure of Senior Advisor to the Director



Karen Rothenberg, J.D., M.P.A.

Director's Report Outline

- I. General NHGRI Updates
- II. General NIH Updates
- III. General Genomics Updates
- IV. NHGRI Extramural Research Program
- V. NIH Common Fund/Trans-NIH
- VI. NHGRI Division of Policy,

 Communications, and Education
- VII. NHGRI Intramural Research Program

Harold Varmus Departs as NCI Director



Harold Varmus, M.D.



Doug Lowy, M.D.



Jack Whitescarver Steps Down as Director, NIH Office of AIDS Research



Jack Whitescarver, Ph.D.



New Director, National Institute on Minority Health and Health Disparities



Eliseo Pérez-Stable, M.D.



New NIH Associate Director for Legislative Policy and Analysis



Adrienne Hallett, M.T.S.



NIH Genomic Data in the Cloud Policy



- NIH now allows use of public or private cloud systems for storing and analyzing controlledaccess genomic data
- NIH expects Institutions to ensure that local and cloud computing systems meet data use and security standards

Document 5

NIH Web Portal on Rigor and Reproducibility



Search

NIH Employee Intranet | Staff Directory | En Español

Health Information

Grants & Funding

News & Events

Research & Training

Institutes at NIH

About NIH

NIH Home > Research & Training

RIGOR AND REPRODUCIBILITY



Rigor and Reproducibility

Principles and Guidelines **Publications**

Training

Meetings and Workshops **Expanded Guidelines**

Rigor and Reproducibility

Two of the cornerstones of science advancement are rigor in designing and performing scientific research and the ability to reproduce biomedical research findings. The application of rigor ensures robust and unbiased experimental design, methodology, analysis, interpretation, and reporting of results. When a result can be



Johns Hopkins University students in a

Email Updates

To sign up for updates please enter your e-mail address.

Submit

Contact Us

Please send email to NIHReprodEfforts@od.nih.gov.

Battelle Report on NIH Innovation



NIH and NHGRI Appropriations

	FY 2014	FY 2015	FY 2016 President's Budget
NIH	\$30.2 B	\$30.3 B	\$31.1 B
NHGRI	\$498 M	\$499 M (+ 0.3%)	\$515 M (+ 3.2%)

- President's proposed Fiscal Year (FY) 2016 budget sent to Congress in February
- House and Senate hold NIH funding hearings

New Draft of 21st Century Cures Act



ENERGY & COMMERCE COMMITTEE

UNITED STATES HOUSE OF REPRESENTATIVES CHAIRMAN FRED UPTON

About E&C

Subcommittees

News Center

Issues in Focus

Heari

Bipartisan Leaders Release #Cures2015 **Discussion Draft as Legislative Process** Continues



April 29, 2015

Draft Bill to Provide Hope for Patients and Boost Research Is the Product of Months of Bipartisan Negotiations

WASHINGTON, DC - After nearly a year of listening to patients, innovators, researchers, providers, consumers, and regulators, bipartisan Energy and Commerce Committee leaders have released a discussion draft marking continued progress in the 21st Century Cures initiative. On Thursday, exactly one year to the day since full Committee Chairman Fred Upton (R-MI) and Rep. Diana DeGette (D-CO) launched the initiative, the Subcommittee on Health will hold a legislative hearing to review the draft. The committee has held eight hearings, issued a number of white papers, and committee members have hosted more than two-dozen roundtables across the country to generate ideas for this initiative. The discussion draft is the product of months of bipartisan negotiations and bipartisan staff continues working toward finalized legislation.

Chairman Upton, Oversight and Investigations Subcommittee Ranking Member DeGette, full committee Ranking Member Frank Pallone, Jr. (D-NJ), Health Subcommittee Chairman Joe Pitts (R-PA), and Health Subcommittee Ranking Member Gene Green (D-TX) together released the draft. The draft legislative text is available online here.

The five bipartisan leaders said, "We've done things differently with 21st Century Cures, taking our time to listen and solicit feedback from every corner of the health care innovation infrastructure. It is because of this transparent. collaborative process that we are now ready and excited to take the next step in boosting research and delivering hope to patients and families all across the country. The ideas outlined in this draft represent a year of listening and working together to develop a product that we believe will truly help patients and bring our health care innovation infrastructure into the 21st century."

Senate Hearing on the Precision Medicine Initiative



Director's Report Outline

- I. General NHGRI Updates
- II. General NIH Updates
- **III. General Genomics Updates**
- IV. NHGRI Extramural Research Program
- V. NIH Common Fund/Trans-NIH
- VI. NHGRI Division of Policy,

 Communications, and Education
- VII. NHGRI Intramural Research Program

Dan David Prize 2015 Future – Bioinformatics





David Haussler, Ph.D.

Elected to NAS

Marianne Bronner
Aravinda Chakravarti
Scott Edwards
John Lis
Joachim Messing
Rodney Rothstein



Elected to AIMBE





Deidre Meldrum, Ph.D.

Executive VP for Medical Genomics and Chief Medical Genomics Officer, HudsonAlpha





Howard Jacob, Ph.D.

New Chief Medical Officer, Invitae





Robert Nussbaum, M.D.

New Joint Directors of EMBL-EBI



Rolf Apweiler, Ph.D.

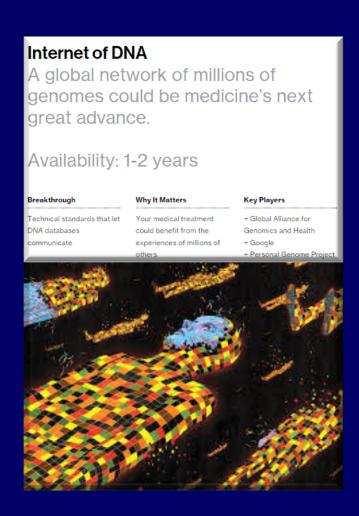


Ewan Birney, Ph.D.



MIT Technology Review Breakthrough Technologies 2015





NHGRI Genome Advance of the Month

CRISPR probes the inner workings of the genome in real time

By Kyle Davis

genes in a

DNA seque

ScM Candidate Genetic Counseling JHU/NHGRI

Scientists create a new "roadmap" for the human epigenome

By Sara Cassidy, M.S., Ph.D. Postdoctoral Fellow, NHGRI

Iceland study provides insights into disease, paves way for large-scale genomic studies

By Yekaterina Vaydylevich Scientific Program Analyst, NHGRI



For some, Iceland conjures thoughts of geothermal spas like the Blue Lagoon, moonlike landscapes and literary sagas peopled with Huldufólk, elfin creatures. Most people do not, however, think of large-scale genomic studies.

But maybe they should. Last month, Kári Stefánsson, M.D., Daníel Fannar Guðbjartsson, Ph.D., and their research team at deCODE genetics announced findings based on the whole genome sequence information of 2,636 Icelanders and the genotypic information of 104,220 other Icelanders. Dr. Stefánsson is also chief executive officer of deCODE genetics, a biopharmaceutical company in Reykjavík, Iceland. The March Genome Advance of the Month focuses on some of the interesting results published as a collection of papers in last month's Nature Genetics.

Iceland is well-suited for genomics research for a few reasons. The island's relative isolation has resulted in a population of approximately 320,000 that is almost entirely descended from a single family tree. Data about the population's genealogy has been extensively recorded since 740 AD, and sits in an accessible database called Íslendingabók or book of Icelanders. In population genomics, this is called the founder effect, in which the lack of diversity limits the number of genomic variants (differences between people), and allows usually rare variants

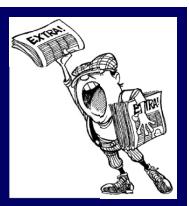
to become common enough in the population to be more easily noticed and studied. (To avoid awkward situations like accidentally dating your cousin, Íslendingabók was recently connected to an application that quickly identifies the degree of relatedness between any two people.)

our genes the Month this way,



Genomics In The News...





A Never-Ending Genetic Quest

Mary-Claire King's Pioneering Gene Work, From Breast Cancer to Human Rights

There has never been a scientific career quite

like Mary-Claire King's. Years ago, her doctoral

thesis concluded that humans and chimpanzees

were, genetically speaking, 99 percent the same

- a revolutionary thought. Her later work on

human cancers resulted in the discovery of the

transformed the diagnosis and treatment of the

so-called breast cancer gene, BRCA1, which



∠ Email



Besides her traditional scientific pursuits, Dr. King created genetic tests to help ascertain the identities of victims of political violence in places like Rwanda and El Salvador. And she did all this as a single mother raising a daughter.



Fix the Flaws in Forensic Science



Newt Gingrich: Double the N.I.H. Budget

By NEWT GINGRICH APRIL 22, 2015

M Email

f Share

 ✓ Tweet

Save

→ More

FAR FROM THE

MCLEAN, Va. - NO one who lived through the 1990s would have suspected that one day people would look back on the period as a golden age of bipartisan cooperation. But in some important ways, it was. Amid the policy fights that followed the Republican victories of 1994, President Bill Clinton and the new majorities in Congress reached one particularly good deal: doubling the budget for the National Institutes of Health.

The decision was bipartisan, because health is both a moral and financial issue. Government spends more on health care than any other area. Taxpayers spend more than \$1 trillion a year for Medicare and Medicaid alone, and even more when you add in programs like Veterans Affairs, the Children's Health Insurance Program and the Indian Health Service.

Unfortunately, since the end of the five-year effort that roughly doubled the N.I.H. budget by 2003, funding for the institutes has been flat. The N.I.H. budget (about \$30 billion last year) has effectively been reduced by more than 20 percent since then. As 92 percent of the N.I.H. budget goes directly to research, one result is that the institutes awarded 12.5 percent fewer grants last year than in 2003. Grant applications, over the same period, increased by almost 50 percent.



Even as we've let financing for basic scientific and medical research stagnate, government spending on health care has grown significa should trouble every fiscal con conservative myself, I'm often government "investments." Bu comes to breakthroughs that c not just treat - the most exper



Director's Report Outline

- I. General NHGRI Updates
- II. General NIH Updates
- III. General Genomics Updates
- IV. NHGRI Extramural Research Program
- V. NIH Common Fund/Trans-NIH
- VI. NHGRI Division of Policy,

 Communications, and Education
- VII. NHGRI Intramural Research Program

Genome Sequencing Program

- Applications for CCDGs and CMGs in review
- Coordinating Center RFA released
 Genome Sequencing Program Coordinating Center (U24): RFA-HG-15-019
- FOAs for remaining concepts in process:
 Genome Sequencing Program Analysis Centers
 High-Quality ("Gold") Reference Genomes
 Comparative Genomics

Sequencing Opportunity: Gabriella Miller Kids First Pediatric Research Program

- Facilitate discovering the genomic basis of structural birth defects and childhood cancers
- Access to whole-genome sequencing for available samples
- Applications due July 27





One Hundred Thirteenth Congress of the United States of America

AT THE SECOND SESSION

Begun and held at the City of Washington on Friday, the third day of January, two thousand and fourteen

An Act

To eliminate taxpayer financing of political party conventions and reprogram savings to provide for a 10-year pediatric research initiative through the Common Fund administered by the National Institutes of Health, and for other purposes.

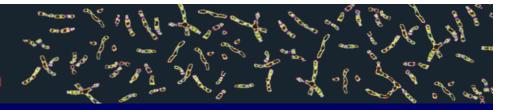
Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the "Gabriella Miller Kids Fir Research Act".

1000 Genomes

A Deep Catalog of Human Genetic Variation



- Goal: Identify 95% of common variants
- Final dataset: >99% of common variants
 Based on 2,504 people from 26 populations
- >84 million variant sites:

81M SNPs
3.4M indels (insertions/deletions)
68K structural variants

Final paper published by October

TCGA Project Team Named as Finalist for Service to America Medal





Finding the genes underlying human Mendelian conditions

Discovery

- Discovered >1,100 causal genes
- 453 novel causal genes
- >170 publications

GeneMatcher



Resource Sharing

- PhenoDB (>216 downloads)
- ALoFT source code
- Data analysis workshops
- dbGaP data deposition



cser Clinical Sequencing Exploratory Research Program

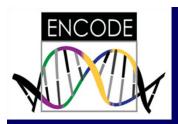
- Enrolled 3,638 adults, 796 children
- 149 publications, 10 working group publications

2015

ACMG Annual Clinical Genetics Meeting

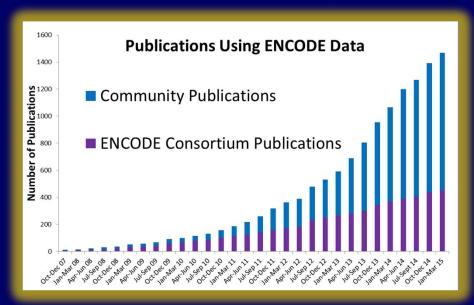
DATES: MARCH 25-27 • SALT LAKE CITY, UTAH



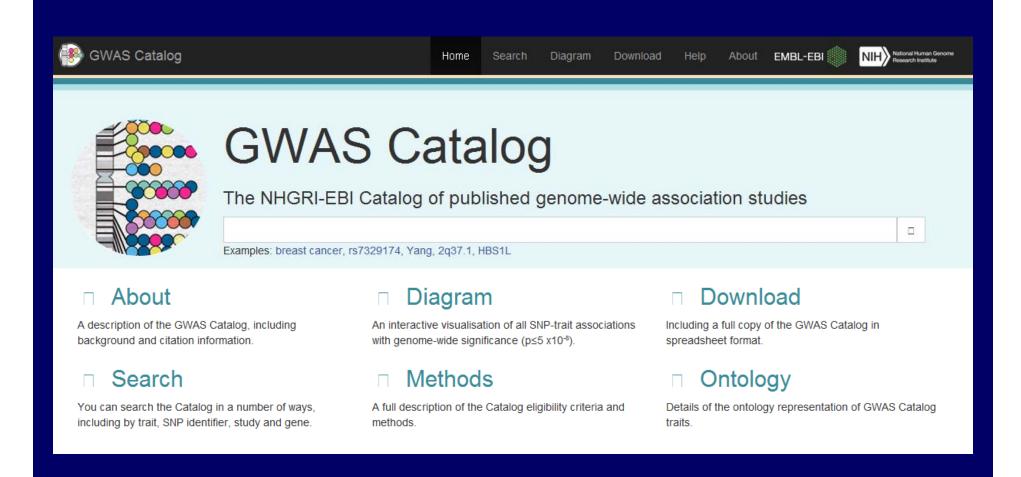


Encyclopedia of DNA Elements (ENCODE)

- Planning Workshop: "From Genome Function to Biomedical Insight— ENCODE and Beyond"
- ENCODE Community User's Meeting June 29 to July 1 in Potomac, Maryland Hands-on workshops using ENCODE data



Genome-Wide Association Studies (GWAS) Catalog







Summit on Clinical Research Informatics



Chunhua Weng, PhD, MS, Chair, 2015 CRI Scientific Program Committee

Distinguished Paper Award

A Prototype for Executable and Portable Electronic Clinical Quality Measures
Using the KNIME Analytics Platform

Huan Mo, MD, Jennifer A. Pacheco, Luke V. Rasmussen, Peter Speltz, Jyotishman Pathak, PhD, Joshua C. Denny, MD, William K. Thompson, PhD

Student Paper Award

Phenotyping Adverse Drug Reactions: Statin-related Myotoxicity
Laura K. Wiley, Jeremy D. Moretz, PharmD, Joshua C. Denny, MD, MS, Josh F.
Peterson, MD, William S. Bush, PhD

ClinGen: Sharing Data. Building Knowledge. Improving Care.

- Clinical validity classification system
- ClinGen-DECIPHER public meeting in May

2015
ClinGen/DECIPHER Meeting
May 27-28, 2015 ~ Renaissance Washington DC Downtown

TOC CTO OO A A ATCCCATO O A





Implementing Genomics in Practice (IGNITE) Network

- Marker paper submitted to Genetics in Medicine
- Affiliate members:







Precision Medicine
Initiative Working Group of
the Advisory Committee to
the Director



Newborn Sequencing in Genomic Medicine and Public Health (NSIGHT)

NSIGHT video interviews

Interviews with NSIGHT experts

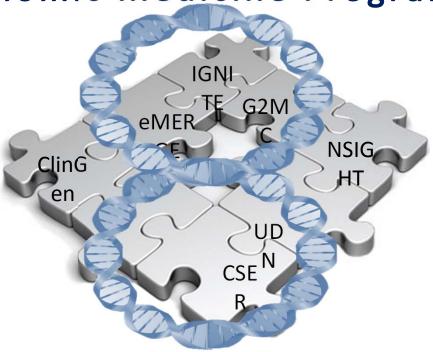
Click here to watch the playlist of videos. Throughout the conference, we will be adding new interviews after each presentation.

Watch the NSIGHT press briefing



Genomic Medicine Working Group

NHGRI Genomic Medicine Programs



Genomic Medicine #8 Bethesda, MD June 8-9, 2015

Genomics and Society Working Group



- Recent in-person meeting
- Topics discussed:

Normative and conceptual research

Portfolio balance

Health services research

ELSI and precision medicine

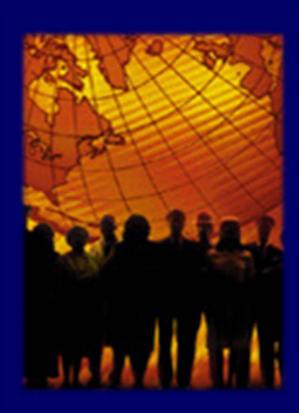
Update planned for September Council meeting

Centers of Excellence in ELSI Research (CEER)

 First Regional CEER Networking Meeting in February

Annual CEER Investigator Meeting in March

 CEER RFA released, with applications due July 15



NHGRI Large Genomics Resources Meeting: May 20-21

 Goal: Develop strategic vision for NHGRI-funded large genomics resources

Attendees:

PIs and Advisors

NIH staff (including NHGRI, NIGMS, and ADDS)

Key discussion topics:

Efficiency

Impact on genomic research

Long-term sustainability



Director's Report Outline

- I. General NHGRI Updates
- II. General NIH Updates
- III. General Genomics Updates
- IV. NHGRI Extramural Research Program
- V. NIH Common Fund/Trans-NIH
- VI. NHGRI Division of Policy,

 Communications, and Education
- VII. NHGRI Intramural Research Program

Integrative HMP (iHMP)

Longitudinal research projects

Inflammatory bowel disease

Type 2 diabetes

Preterm birth

- Data Coordination Center
- 2nd iHMP Consortium Meeting

June 2015, Bethesda



 International Human Microbiome Consortium Congress

5th: March 2015, Luxembourg

6th: October 2016, Houston

Fast-Track Action Committee: Mapping the Microbiome

Chartered by OSTP

Data call:

Portfolio analysis

11 departments and agencies

Host- and ecosystem-associated microbiomes

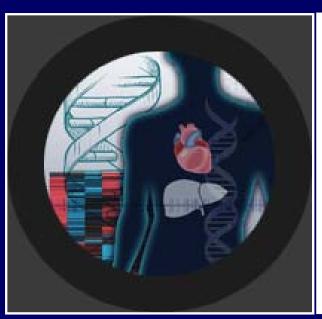


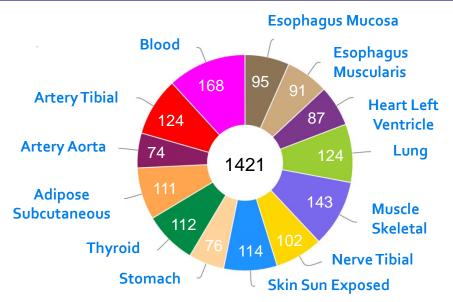
Identify gaps, needs, and challenges

Outline a Federal coordinated plan to support President's Fiscal Year 2017 budget request



Genotype-Tissue Expression Project (GTEx)

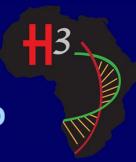




- Donor recruitment to conclude by end of summer (n=900)
- Main manuscript and two companion papers published in Science

Human Heredity and Health in Africa (H3Africa)

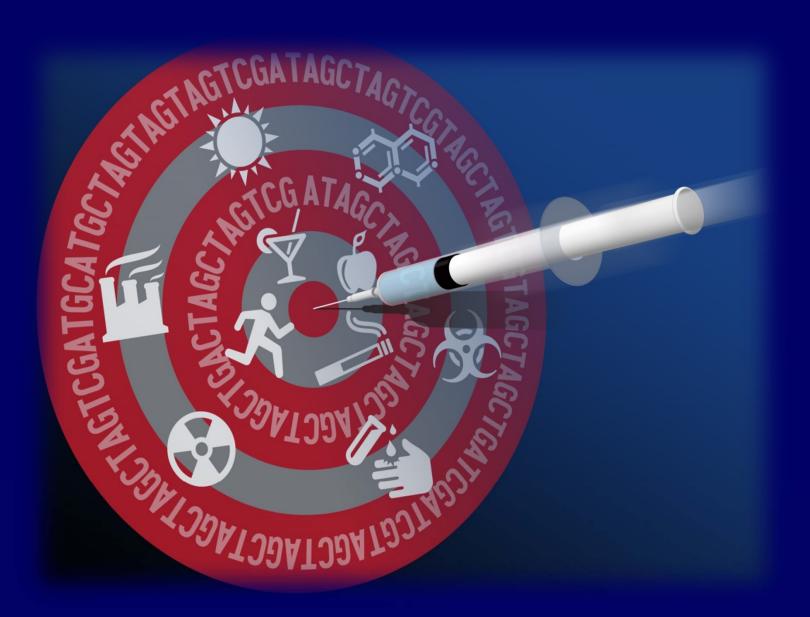
6th Consortium Meeting in May (Zambia)
 Grants Management Workshop
 Community Engagement Training Workshop
 2nd Ethics Consultation Meeting





- H3Africa and South African ethics guidelines
- 3 New ELSI awards
- Alliance for Accelerating Excellence in Science in Africa (AESA)

Precision Medicine Initiative







Advisory Committee to the NIH Director Working Group on the Precision Medicine Initiative

Co-Chairs:

Richard Lifton, MD, PhD Bray Patrick-Lake, MFS Kathy Hudson, PhD

- Esteban Gonzalez Burchard, MD, MPH
- Tony Coles, MD, MPH
- Rory Collins, FMedSci
- Andrew Conrad, PhD
- Josh Denny, MD
- Susan Desmond-Hellmann, MD, MPH
- Eric Dishman
- Kathy Giusti, MBA

- Sekar Kathiresan, MD
- Sachin Kheterpal, MD, MBA
- Shiriki Kumanyika, PhD, MPH
- Spero M. Manson, PhD
- P. Pearl O'Rourke, MD
- Richard Platt, MD
- Jay Shendure, MD, PhD
- Sue Siegel

Precision Medicine Initiative: Next Steps

- Working Group of Advisory Committee to the Director Intense planning for next ~3-4 months
 Interim report in September
- Past and future meetings/workshops
- Implementation

Trans-NIH implementation model

Fall 2015: Initial funding opportunities announced

Fiscal Year 2016: Funding begins

Coordination with other U.S. government agencies



















Request for Information: NIH Precision Medicine Cohort

Purpose

This Request for Information (RFI) seeks feedback to help guide the National Institutes of Health (NIH) in creating a longitudinal cohort of 1 million or more Americans who have volunteered to participate in research as part of the President's proposed Precision Medicine Initiative. Participants will be asked to give consent for extensive characterization of biologic specimens (potentially including cell populations, proteins, metabolites, RNA, and DNA whole-genome sequencing, if/when costs permit) and behavioral and environmental data, all linked to their electronic health records (EHRs). Qualified researchers from many organizations will, with appropriate protection of participant confidentiality, have access to the cohort's de-identified data for research and analysis.

Due Date: May 7, 2015

Emphasis on Transparency





www.nih.gov/precisionmedicine

PRECISION MEDICINE INITIATIVE

Precision Medicine Initiative

Near-term Goals

Longer-term Goals

Scale and Scope

Participation

PMI Working Group

Events

Announcements

PMI in the News



The Precision Medicine
Initiative: Infographic
View larger [A] (PDF - 163KB)

Events

The following are upcoming and past events held by the NIH to gather input from participant, scientific, and other stakeholder groups as it plans the development of the President's Precision Medicine Initiative and the vision for building the national participant group. Please sign up for updates or check back frequently for additional meeting information.

All public workshops will be videocast live.

UPCOMING EVENTS

- Public workshop on cohorts and electronic health records Thursday, May 28 - Friday, May 29, 2015, Time to be Determined Vanderbilt University, Nashville, Tenn.
- Public workshop on participants and community engagement Wednesday, July 1 - Thursday, July 2, 2015, Time to be Determined National Institutes of Health, Bethesda, Md.
- Public workshop on mHealth Monday, July 27 - Tuesday, July 28, 2015
 Intel Corp., Santa Clara, Calif.

PAST EVENTS

2015

 Public workshop on unique scientific opportunities for the national research cohort

Tuesday, April 28 - Wednesday, April 29, 2015 National Institutes of Health, Bethesda, Md.

Public Workshop on Building a Precision Medicine Research Cohort Wednesday, February 11 - Thursday, February 12, 2015 National Institutes of Health, Porter Neuroscience Building, Bethesda. Md.

Email Updates

To sign up for updates please enter your e-mail address.

Submit

Related Links

NEJM Perspective: A New Initiative on Precision Medicine Ø

White House Precision Medicine Web Page #P

Precision Medicine Initiative and Cancer Research @

Storify: The Precision Medicine Initiative

Precision Medicine Initiative YouTube Channel @



PRECISION MEDICINE INITIATIVE

Precision Medicine Initiative

Near-term Goals

Longer-term Goals

Scale and Scope

Participation

PMI Working Group

Events

Announcements

PMI in the News



The Precision Medicine Initiative: Infographic View larger [A (PDF - 163KB) ACD Precision Medicine Initiative Working Group Public Workshop

Unique Scientific Opportunities for the Precision Medicine Initiative National Research Cohort

NIH hosted a public workshop on the NIH campus in Bethesda, Maryland, April 28-29, 2015, to consider visionary biomedical questions that could be addressed by the proposed national research cohort of one million or more volunteer participants. The workshop will result in a series of use cases describing the distinctive science that the cohort could enable in the near term and longer term.

This workshop is one of four that is being convened by the Precision Medicine Initiative Working Group of the Advisory Committee to the (NIH) Director to help inform the vision for building the PMI national participant group that they have been tasked to develop.

Workshop Videos

- Day 1 Videocast
- Day 2 Videocast

Follow the Conversation on Twitter (#PMINetwork)

Workshop Agenda (PDF - 115KB)

Speaker Biographies

PMI ACD Working Group Biographies (PDF - 451KB)

Email Updates

To sign up for updates please enter your e-mail address.

Submit

Related Links

NEJM Perspective: A New Initiative on Precision Medicine (9)

White House Precision Medicine Web

White House Fact Sheet: President Obama's Precision Medicine Initiative P

Precision Medicine Initiative and Cancer Research #9

Storify: The Precision Medicine Initiative

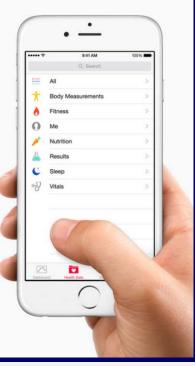
Precision Medicine Initiative YouTube Channel 12



Apple Announces ResearchKit

You're already carrying a powerful medical research tool.

Hundreds of millions of people around the world have an iPhone in their pocket. Each one is equipped with powerful processors and advanced sensors that can track movement, take measurements, and record information — functions that are perfect for medical studies. The sheer number of them being used across the globe opens up new possibilities for researchers. With ResearchKit, researchers can easily create apps that take advantage of iPhone features to gather new types of data on a scale never available before.





Taking research out of the lab and into the real world.

Until now, taking part in a medical study has usually required traveling to a hospital or facility to complete tasks and fill out questionnaires. With Research(it), you can use your iPhone to perform activities and generate data wherever you are, providing a source of information that is more objective than ever possible before. This is invaluable to the progress of medical research — and we can all have a hand in it.

What's more, many of the apps built with ResearchKit will enable you to track your own data and potentially discover correlations between symptoms and daily actions such as diet or exercise

Share your data. Keep your privacy.

We know how much you value the privacy of your information, and ResearchKit has been designed with that in mind. You choose what studies you want to join, you are in control of what information you provide to which apps, and you can see the data vou're sharino.

ResearchKit is already being used today.

Several of the world's leading medical institutions are already using ResearchKit to gain further insight into some of our most serious diseases. Learn more about their stories below.

You can also download these apps from the Ann Store y

You can also download these apps from the App Store >











Cardiovascular Disease

Director's Report Outline

- I. General NHGRI Updates
- II. General NIH Updates
- III. General Genomics Updates
- IV. NHGRI Extramural Research Program
- V. NIH Common Fund/Trans-NIH
- VI. NHGRI Division of Policy,

 Communications, and Education
- VII. NHGRI Intramural Research Program

Inter-Society Coordinating Committee for Practitioner Education in Genomics

New Co-Chairs:



Bob Wildin, M.D. NHGRI



Ann Karty, M.D. American Academy of Family Physicians

In-person meeting in May:

Patient Safety and Genomic Medicine Genetic Counselors' Roles in Education Point-of-Care Education Modes Inter-Professional Education Collaborative (IPEC)

Preserving Employee Wellness Programs Act (S.620/H.R.1189)



п

114TH CONGRESS IST SESSION

S. 620

To clarify rules relating to nondiscriminatory employer wellness programs as such programs relate to premium discounts, rebates, or modifications to otherwise applicable cost sharing under group health plans.

IN THE SENATE OF THE UNITED STATES

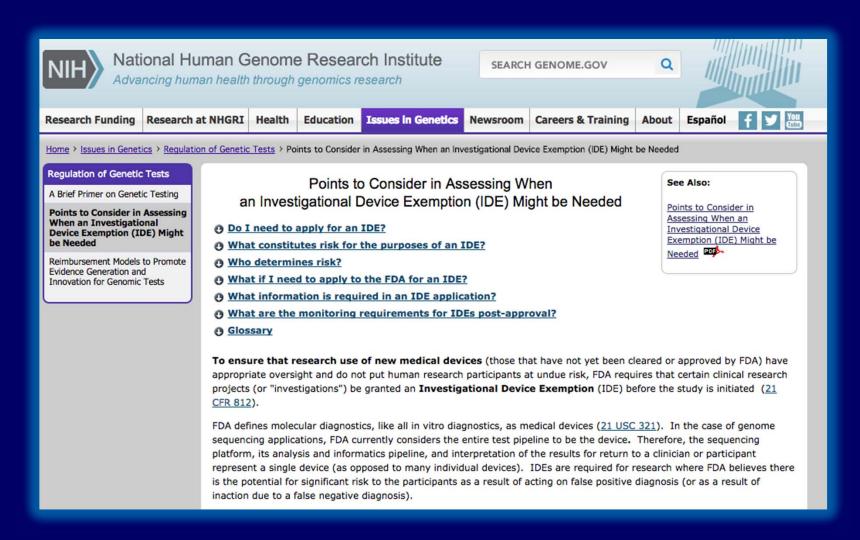
MARCH 2, 2015

Mr. ALEXANDER (for himself, Mr. ISAKSON, Mr. HATCH, Mr. SCOTT, Mr. ROSHRITS, and Mr. ENZI) introduced the following bill; which was read twice and referred to the Committee on Health, Education, Labor, and Pensices

A BILL

- To clarify rules relating to nondiscriminatory employer wellness programs as such programs relate to premium discounts, rebates, or modifications to otherwise applicable cost sharing under group health plans.
- Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,
- 3 SECTION 1. SHORT TITLE.
- 4 This Act may be cited as the "Preserving Employee
- 5 Wellness Programs Act".
- 6 SEC, 2, FINDINGS.
- 7 Congress finds that—

NHGRI IDE Resources for Research Community



LabTV

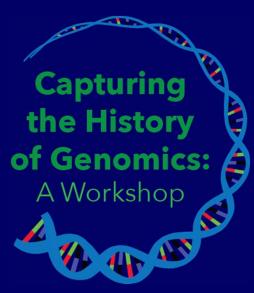




A website of mini-documentaries about scientists who are passionate about their work

Capturing the Historical Legacy of the NHGRI: An Archival and Scholarly Initiative





Genome: Unlocking Life's Code Exhibition

"Big Data, Genomics, and Precision Medicine"









Genome: Unlocking Life's Code ExhibitionThe Tech Museum of Innovation Family Day



Genome: Unlocking Life's Code Exhibition Travel Schedule



2015

May 15 to September 10
Saint Louis Science Center (St. Louis, MO)

October 2 to January 3
Oregon Museum of Science and Industry (Portland, OR)

2016

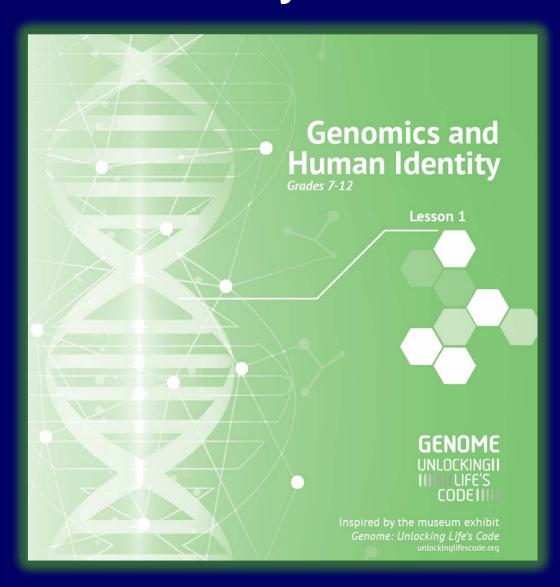
January 18 to April 25
Discovery World Milwaukee (Milwaukee, WI)

Document 42

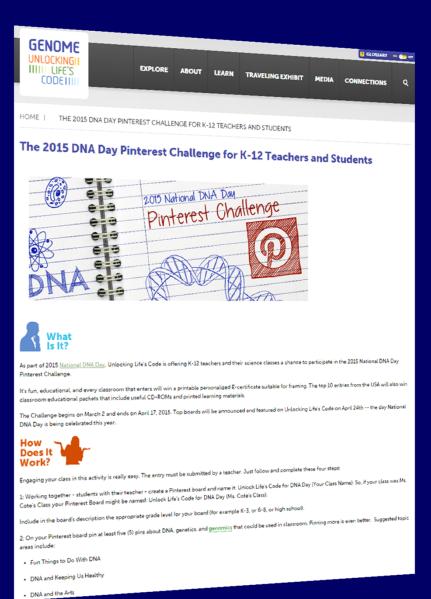
Genome: Unlocking Life's Code Exhibition Website Interactive

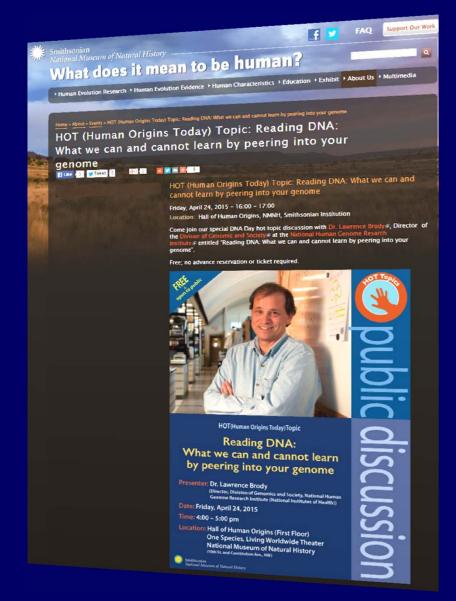


Genome: Unlocking Life's Code Exhibition Human Identity Lesson Plan



National DNA Day



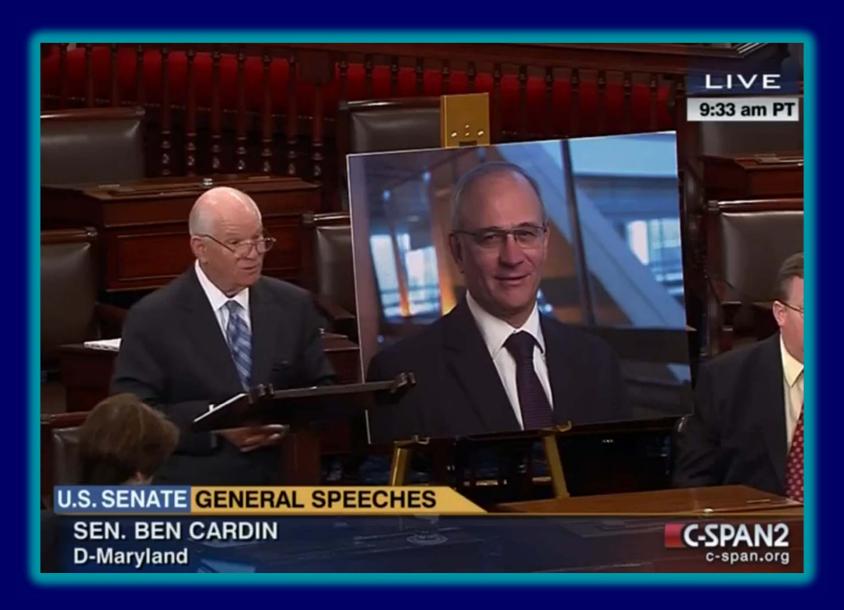


Director's Report Outline

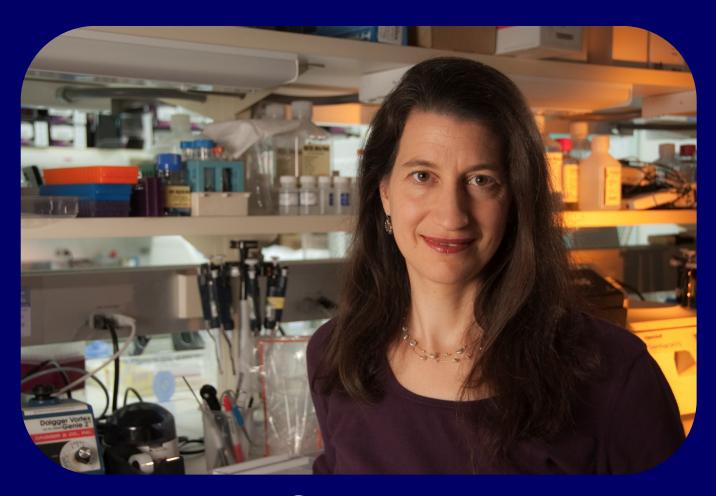
- I. General NHGRI Updates
- II. General NIH Updates
- III. General Genomics Updates
- IV. NHGRI Extramural Research Program
- V. NIH Common Fund/Trans-NIH
- VI. NHGRI Division of Policy,

 Communications, and Education
- VII. NHGRI Intramural Research Program

Senator Cardin Applauds NHGRI's Bill Gahl



American Academy of Microbiology Fellow



Julie Segre, Ph.D.

NHGRI Intramural Research Highlights

Molecular Cancer Research

Homologous mutation to human BRAF V600E is common in naturally occurring canine bladder cancer-evidence for a relevant model system and urine-based diagnostic test





JHP Journal of Health Psychology

Mothers' guilt responses to children's obesity risk feedback

DMM Disease Models Mechanisms Phenotype –driven chemical screening in zebrafish for collective cell migration inhibitors identifies multiple potential pathways for targeting metastasis

The Genomics Landscape

A monthly update from the NHGRI Director



To receive *The Genomics Landscape*, go to list.nih.gov

Search for NHGRILANDSCAPE

Past issues can be accessed at: genome.gov/27527308



Thanks!



Special Thanks!