



**February 6, 2018**

On January 14, 2018, NHGRI reached an important milestone – its 21<sup>st</sup> anniversary as an NIH Institute. In 1997, our organization graduated from being a ‘Center’ (the National Center for Human Genome Research) and transitioned to full-fledged ‘Institute’ status. At age 21, NHGRI is now truly a full-fledged ‘adult’!

I would like to draw your attention to a request for information from the [All of Us Research Program](#). The deadline for [submitting use case ideas](#) for the upcoming *All of Us* Research Priorities Workshop (March 21–23, 2018) has been extended to [February 23, 2018](#). I encourage you to submit your research ideas and help shape the future goals of this important NIH program.

This month’s *The Genomics Landscape* features stories about:

- [New Director of NHGRI’s Division of Genome Sciences: Carolyn Hutter](#)
- [New Secretary of Health and Human Services: Alex Azar](#)
- [Tune into Webcast for the Kick-Off of NHGRI’s New Strategic Planning Process](#)
- [Mourning the Loss of Arno Motulsky](#)
- [American Society of Human Genetics DNA Day Essay Contest Open](#)

All the best,

Watch here for current and upcoming locations of the Smithsonian-NHGRI exhibition “Genome: Unlocking Life’s Code” as it tours North America!

Traveling Exhibition		
GENOME UNLOCKING LIFE'S CODE	Current	Next
	January 28 - April 24, 2018	June 23 - September 15, 2018
	Rochester Museum and Science Center Rochester, New York	Mayo Clinic Rochester, Minnesota
	See <a href="http://unlockinglifescode.org">unlockinglifescode.org</a> for details	

~To manage your subscription to *The Genomics Landscape*, see: [list.nih.gov/cgi-bin/wa.exe?A0=NHGRILANDSCAPE](http://list.nih.gov/cgi-bin/wa.exe?A0=NHGRILANDSCAPE)~

~To suggest future topics, send an e-mail to: [NHGRILANDSCAPE@MAIL.NIH.GOV](mailto:NHGRILANDSCAPE@MAIL.NIH.GOV)~

~To access past editions, see: [genome.gov/2754196](http://genome.gov/2754196)~

## New Director of NHGRI's Division of Genome Sciences: Carolyn Hutter

Carolyn M. Hutter, Ph.D., has been selected as the new Director of NHGRI's [Division of Genome Sciences](#). She follows Dr. Jeffery Schloss, who was the founding Director of the Division until his retirement in early 2017. Dr. Hutter's background in genetics and epidemiology, in conjunction with her experience in managing large research collaborations, will make her an excellent leader for the largest component of the NHGRI Extramural Research Program.



Dr. Hutter received her Sc.B. in applied mathematics-biology from Brown University, her M.S. in genetics from Cornell University, her M.S. in biostatistics from the University of Washington, and her Ph.D. in epidemiology from the University of Washington.

Carolyn originally joined NHGRI in 2013 as the team lead for The Cancer Genome Atlas (TCGA), after serving as a program director in the National Cancer Institute (NCI) Epidemiology and Genomics Research Program. As the team lead for TCGA, a collaborative effort between NHGRI and NCI, Carolyn mastered the art of managing large, highly interactive consortia. TCGA produced comprehensive, multi-dimensional maps of the key genomic changes in 33 types of cancer. The datasets generated by TCGA have proven to be invaluable to the cancer research community for improving the prevention, diagnosis, and treatment of cancer.

Prior to her arrival at NIH, Carolyn was a senior staff scientist at the Fred Hutchinson Cancer Research Center and Lecturer at the University of Washington, where her research focused on genome-wide association studies and gene-environment interactions for cancer and other complex diseases.

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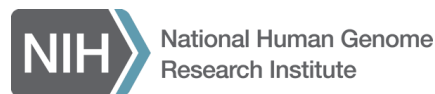
## New Secretary of Health and Human Services: Alex Azar



Mr. Alex Azar was sworn in as the 24<sup>th</sup> Secretary of the U.S. Department of Health and Human Services (HHS) on January 29, 2018. Mr. Azar received a B.A. in government and economics from Dartmouth University and a J.D. from Yale University. Early in his career, he served as a law clerk for Supreme Court Justice Scalia, and under President George W. Bush, he served as General Counsel for HHS and subsequently Deputy HHS Secretary. Mr. Azar has also served as President of the U.S. division of Eli Lilly and Company, and was a member of the Board of Directors of the Biotechnology Innovation Organization. For more information about the new HHS Secretary, see [hhs.gov/about/leadership/secretary/alex-m-azar-ii/index.html](https://hhs.gov/about/leadership/secretary/alex-m-azar-ii/index.html).

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## Tune into Webcast for the Kick-Off of NHGRI's New Strategic Planning Process



Three times a year (in February, May, and September), the [National Advisory Council for Human Genome Research](#) (NACHGR) convenes to discuss a range of issues relating to NHGRI, with emphasis on the Institute's Extramural Research Program. Each meeting includes an 'Open Session' that is webcast to the public. Early in the Open Session on Monday February 12, NHGRI will formally kick-off a new round of strategic planning for genomics research. That announcement will describe a set of activities that will yield a published strategic plan in 2020, analogous to the Institute's strategic plans published in 2003 and 2011. The February 12 meeting's Open Session will start at 10:00 am ET. To view the live webcast, click on the link that will appear on the home page of [genome.gov](http://genome.gov) on February 12 or go to the NHGRI GenomeTV web page at [genome.gov/GenomeTVLive/](http://genome.gov/GenomeTVLive/). For more information about NACHGR, please see [genome.gov/council/](http://genome.gov/council/).

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One of seven divisions at NHGRI, the Division of Genome Sciences supports and accelerates foundational resources, technology development, experimental approaches, data science, and analytical tools that transform genome science to facilitate research on the function of the genome in human health and disease. Division staff members plan, direct, and facilitate multi-disciplinary research to understanding the structure and function of genomes.

Major [programs](#) within the Division's portfolio include the NHGRI Genome Sequencing Program (GSP); the Centers of Excellence in Genomic Science (CEGS) Program; the Encyclopedia of DNA Elements (ENCODE); the Genome Technology Program; the Genomics of Gene Regulation (GGR); and several NIH Common Fund Programs – the Human Microbiome Project (HMP), the Knockout Mouse Phenotyping (KOMP2) Program; the Human Heredity and Health in Africa (H3Africa) Initiative, and the Library of Integrated Network-Based Cellular Signatures (LINCS).



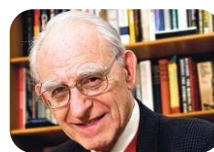
As Director of the Division of Genome Sciences, Dr. Hutter leads NHGRI's efforts in basic genomics research funding and program management at a time when blending basic science with bioinformatics tools and clinical information is forging a new path for genomics and health. Identifying human genomic differences and tying them to causes of disease is a key aspect of the future of medicine.

For more information about the NHGRI Division of Genome Sciences, see [genome.gov/27550078/](http://genome.gov/27550078/).



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### ***Mourning the Loss of Arno Motulsky***



Last month, Dr. Arno Motulsky [passed away](#) at the age of 94. He was a prominent and highly accomplished human and medical geneticist, and a founder of the field of pharmacogenomics. He was the first to describe negative interactions between drugs and enzymes produced by human genes in some people, thus illustrating a role of genomic variation in the response to pharmaceuticals. After fleeing Nazi Germany and surviving World War II, he emigrated to the U.S., attended Yale University, and earned an M.D. from the University of Illinois. Dr. Motulsky was the founding head of medical genetics at the University of Washington School of Medicine and, most recently, a [Professor of Medicine and of Genome Sciences](#). He trained generations of researchers and medical professionals, influenced science policy at the national and international level, and received many honors throughout his career. He co-authored with Friedrich Vogel a book on human genetics that was considered 'the' textbook for many years. His work greatly influenced all corners of human and medical genetics.

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### ***American Society of Human Genetics DNA Day Essay Contest Open***



The 13<sup>th</sup> annual DNA Day Essay Contest, sponsored by the American Society of Human Genetics, is now open. The contest was established to commemorate the completion of the Human Genome Project in 2003. It is open to high school students worldwide, and involves having participants examine, question, and reflect on important concepts in genomics. Teachers must submit the essays for their students by Friday, March 9, 2018 through the [link found here](#). Winners of the essay contest will be announced on Wednesday, April 25, 2018.

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**Spotlight on  
the All of Us  
Research  
Program**



[allofus.nih.gov](http://allofus.nih.gov)

- In a recent [Q&A](#) with Washington Post Health 202, Dr. Francis Collins discusses the *All of Us* Research Program.
- Dr. Collins also recently joined WNYC's The Takeaway to [talk](#) about *All of Us* and changing the one-size-fits-all approach to healthcare.
- The Working Group on Child Enrollment [highlights](#) scientific opportunities for *All of Us* Research Program.

**Genomics Research**

[The Coming of Age of Gene Therapy: A Review of the Past and Path Forward](#)

[New Study Offers Insights on Genetic Indicators of COPD Risk](#)

[Memory Gene Goes Viral](#)

[NIH Scientists Find Microbes on the Skin of Mice Promote Tissue Healing, Immunity](#)

[Researchers Study Mothers' Food Choices at Virtual Reality Buffet](#)

[Notable Accomplishments in Genomic Medicine](#)

**New Videos**

[NHGRI's Oral History Collection: Interview with Michael Gottesman \(Part II\)](#)

**Upcoming Videocast**

[Eighty-Second Meeting: National Advisory Council for Human Genome Research – Feb 12](#)

**Funding Opportunities**

[Rodent Testing Centers for Development of Reporter Systems and Evaluation of Somatic Cell Genome Editing Tools](#)

[Development of Large Animal Reporter Systems for Testing Somatic Cell Genome Editing Tools](#)

[Development of Cell and Tissue Platforms to Detect Adverse Biological Consequences of Somatic Cell Genome Editing](#)

[Innovative Technologies to Deliver Genome Editing Machinery to Disease-relevant Cells and Tissues](#)

[Expanding the Human Genome Editing Repertoire](#)

[Somatic Cell Genome Editing Dissemination and Coordinating Center](#)

[The Human BioMolecular Atlas Program \(HuBMAP\) Integration, Visualization & Engagement Initiative](#)

**Funding News**

[Opportunity to Sequence Pediatric Cohorts through the Kids First Program](#)

[Grant Application Instruction Correction for Training Grants with Human Subjects Involvement](#)

[Updated Appendix Policy Eliminates Clinical Trial-Related Materials for Applications Submitted on or After January 25, 2018](#)

**NIH & NHGRI News**

[eMERGE & Beyond: The Future of EMR and Genomics - Workshop Summary](#)

[Maintaining Integrity in NIH Peer Review: Responsibilities and Consequences](#)

[CRISPR and the Centers of Excellence in Genomic Sciences Program Reddit AMA Transcript](#)

[CRISPR Ask Me Anything Hits Reddit's Front Page](#)

[NIH to Launch Genome Editing Research Program](#)

[NIH Single IRB Policy Takes Effect](#)

[The Human Genome Project is Awarded the Thai 2017 Prince Mahidol Award for the Field of Medicine](#)

[Unlocking Life's Code: January 2018 Newsletter](#)

