

Envisioning a Future in Which People Everywhere Realize
the Benefits of Human Genetics and Genomics Research

ANNUAL REPORT

2023–2024



ABOUT ASHG

The American Society of Human Genetics (ASHG) is the leading professional scientific membership organization for human genetics and genomics researchers in the world. The Society's members include researchers, clinicians, genetic counselors, and others who have a special interest in the field of human genetics and genomics research. In addition to serving and representing its members, ASHG also works to increase the availability of reliable information about genetics and genomics to the public.



CONTENTS

- 1 Message from the President
- 2 Membership
- 6 Annual Meeting
- 10 Publications
- 13 Awards
- 15 Fellowships
- 17 Learning & Career Development
- 19 Diversity, Equity, & Inclusion
- 20 Advocacy & Policy
- 22 Public Engagement
- 24 Finances
- 25 Partners
- 27 Donors
- 28 Leadership

MISSION

Advance human genetics and genomics in science, health, and society through excellence in research, education, and advocacy.

CORE VALUES

- Integrity
- Innovation
- Rigor
- Collaboration
- Inclusion
- Social responsibility

MESSAGE FROM THE PRESIDENT



Dear ASHG Members,

The story of ASHG in 2024 has been one of growth, resilience, and exciting opportunities for human genetics and genomics. As you'll learn in the coming pages, ASHG continued to serve members this year via education, advocacy, awareness, and more.

These efforts—your efforts—have built a Society that is well positioned to support the needs of our community moving forward. Our Society has expanded its engagement and impact in many positive ways. Our annual meeting continues to grow with more networking and pushing the boundaries of innovation, discovery, and groundbreaking research. We also saw a record number of applications for our Human Genetics Scholars Initiative (HGSi) program offering mentorship, professional development, and the opportunity to engage with people across the field in a variety of ways. And our digital programs including webinars, podcasts, and interactive workshops continue to reach new audiences and support online learning.

Your membership inspires ASHG's steadfast commitment to advancing our shared goals through collaboration and collective impact. Thanks to your support in 2024, we have fostered meaningful connections among stakeholders, and championed new ideas that drive the sustainability and prosperity of our community.

Our flagship journal, *AJHG*, celebrates its 75th anniversary this year and continues to welcome high-quality work covering the ever-expanding front of scientific endeavors in human genetics. The Society's open access journal, *HGG Advances*, is making new strides publishing a wide range of research as the field continues to evolve. ASHG's Advocacy Certificate for Human Genetics and Genomics Trainees (ACGT) conducted meetings on Capitol Hill with their representatives, building relationships to support strong federal funding for human genetics and genomics research. And ASHG's fellowship program expanded to comprise ten total positions which provide training opportunities for those at earlier stages of their careers. The value of convening, collaborating, and fostering human connections has never been clearer.

As we reflect on 2024, I am thankful that ASHG and the human genetics and genomics community at large have continued to thrive and adapt, thanks to the dedication and perseverance of every member. I extend sincere gratitude to you, our members, partners, and stakeholders, for your unwavering support and meaningful engagement. Together, we have had a remarkable year and set the stage for even greater success.

I look forward to the continued collaboration and achievements that lie ahead.

Sincerely,

Bruce D. Gelb, M.D.

President, ASHG

MEMBERSHIP

ASHG works to build a vibrant and collaborative community of human genetics and genomics professionals in research, medicine, and education from across the world. Members include researchers, clinicians, genetic counselors, students, and others working to advance discovery within and application of human genetics and genomics in society. ASHG offers professional development, networking, volunteer opportunities, and much more to support their work.

MEMBER BENEFITS

- Free abstract submission to the ASHG Annual Meeting
- Reduced rates and early housing reservation access for the ASHG Annual Meeting
- Free online subscription and no publishing fees for the *American Journal of Human Genetics (AJHG)*
- 20% off publishing in *Human Genetics and Genomics Advances*
- Access to key professional education, career, and networking resources including:
 - Webinars, journal clubs, workshops, and podcasts
 - Online job board and other career resources like the Career Accelerator
 - Members-only shared interest groups
- Service on ASHG's Board of Directors and committees along with voting rights
- Policy resources and representation in advocacy efforts
- Public engagement opportunities through the *Genetics Engagement & Education Network*

MEMBER NEWSLETTERS

The Society publishes several e-newsletters that deliver vital information and resources to ASHG members on upcoming events, deadlines, and exciting new advancements in the field. These include the weekly *SNP* and quarterly *Messenger*, trainee newsletter *The Nascent Transcript*, and specialty newsletters focused on public advocacy and engagement—*The Advocate Update* and *Engage*.



"Membership in ASHG strengthens connections amongst human genetics and genomics colleagues by providing venues for ongoing dialogues."

Megan Dennis, PhD

Member since 2011

"Membership in ASHG changes how we think about health and how we experience the world. Being part of ASHG means that we can all shape the future together."

Carl Smith, PhD

Member since 2021



"Membership in ASHG encourages science communication and engagement along with training and resources for the geneticists of tomorrow."

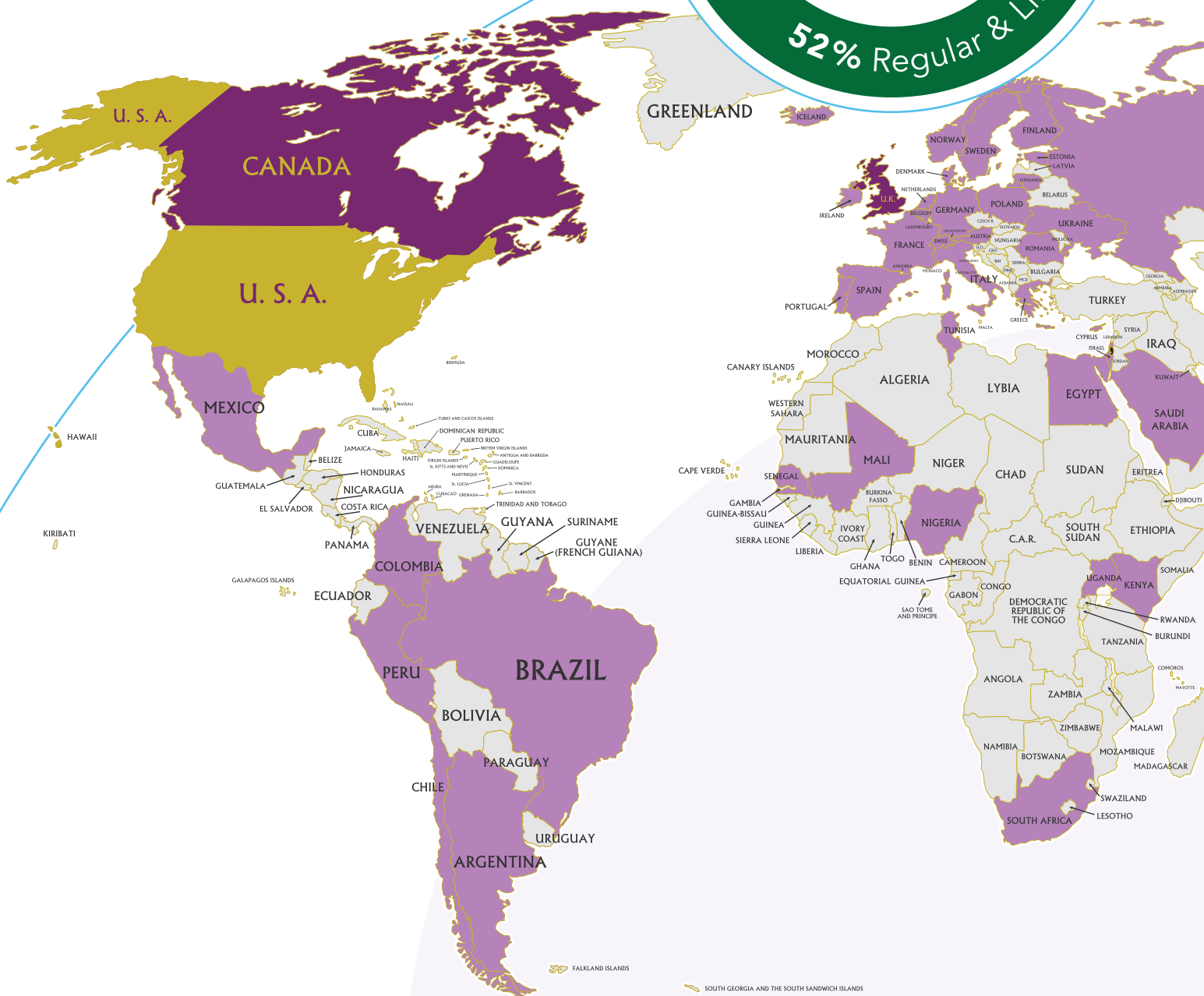
Nara Sobreira, MD, PhD

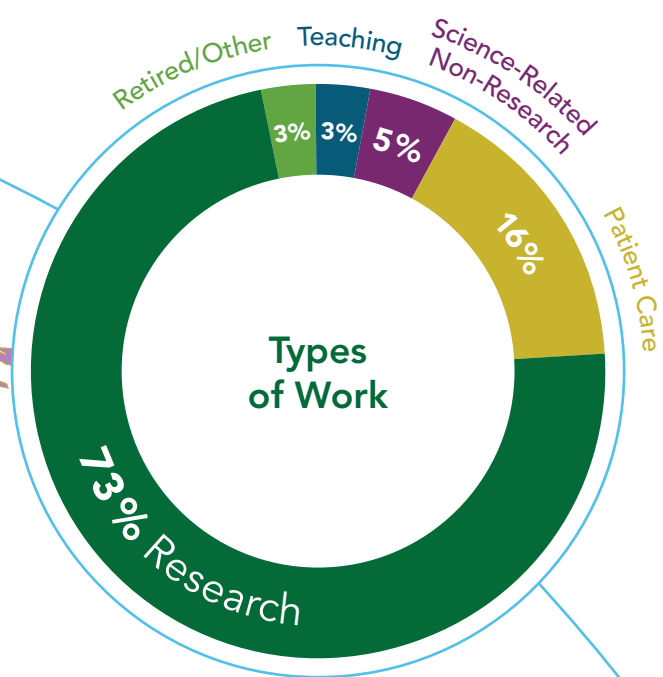
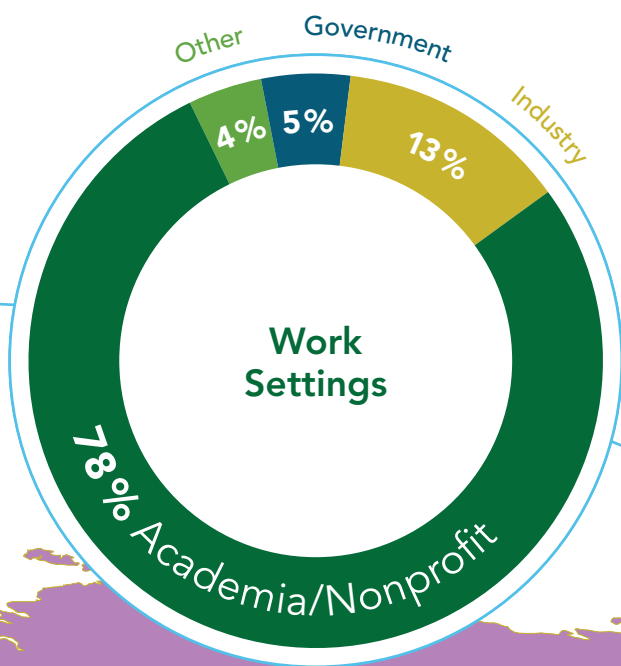
Member since 2009

7,560

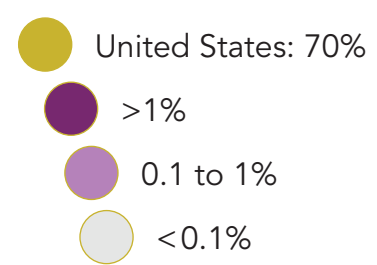
Member Types

Member Type	Percentage
Regular & Life	52%
Graduate & Undergraduate Students	20%
Postdoctoral & Resident/Clinical Fellows	12%
Early Career	11%
Emeritus	5%





Locations



ANNUAL MEETING

ASHG's 2023 Annual Meeting in Washington, D.C. attracted thousands of human genetics and genomics professionals to discuss the latest research, unveil new technologies and tools, and spark collaborations that advance research and medical discoveries.



HIGHLIGHTS



3,597
abstracts submitted

231
exhibitors

65+
industry-led sessions





PROGRAMS

16

invited
sessions

4

interactive
workshops

15

plenary
talks

328

platform
talks

3,176
posters





75TH ANNIVERSARY GALA

ASHG celebrated the Society's 75th anniversary with a gala celebration at the Ronald Reagan Building and International Trade Center. Themed "One Humanity, Many Genomes™," the event spotlighted 75 years of innovation in the field and how genetics and genomics research is generating benefits for people everywhere. The evening was filled with food, laughter, dancing, and of course, genetics.

PRESIDENTIAL SYMPOSIUM

Delivering on the Promise and Future of Genetic and Genomic Medicine, Not a Sisyphean Task

The 2023 Presidential Symposium highlighted the promise of technology in genetics and genomics research and medicine. The session also highlighted challenges including limited diversity of research participants, the impact of economic and social determinants of health, and lack of genomic medicine expertise that continue to limit the large impact that genomic medicine could have on society and health. Speakers recognized and advocated for strategies and technologies to overcome these challenges and ultimately prevent genomic medicine from becoming a Sisyphean task. The 2023 ASHG President, Brendan Lee, MD, PhD moderated the session and invited distinguished speakers including:



Donald Kohn, MD
University of California
Los Angeles David Geffen
School of Medicine



Dennis Lo, MD, PhD
Chinese University of
Hong Kong



**Olufunmilayo Falusi
Olopade, MD**
The Center for Clinical
Cancer Genetics and Global
Health at the University of
Chicago Medicine

DISTINGUISHED SPEAKERS SYMPOSIUM

The Future of Human Genetics and Genomics

For the first time at the ASHG 2023 Annual Meeting, the Program Committee organized a widely attended Distinguished Speakers Symposium focused on the future of human genetics and genomics. The event was the closing session at ASHG 2023, delivered to a standing room only plenary hall. The session featured the following leaders from across the field:

MODERATORS

Hunt F. Willard, PhD
Genome National Group

Ambroise Wonkam, MD, PhD
Johns Hopkins University
School of Medicine

SPEAKERS



Melissa B. Davis, PhD
Morehouse School
of Medicine



Cynthia Morton, PhD
Brigham and
Women's Hospital



Karen Miga, PhD
University of California,
Santa Cruz



Adam Rutherford, PhD
University College
London

PUBLICATIONS

Through the Society's journals and other publications, ASHG shares the latest scientific breakthroughs and perspectives on important issues with the research community.

THE AMERICAN JOURNAL OF HUMAN GENETICS

Known for its scientific excellence and rigor, *The American Journal of Human Genetics* (AJHG) is one of the leading journals in the field of genetics and genomics. Currently celebrating its 75th anniversary, AJHG has published thousands of research and review articles on human genetics and the application of genetic principles in medicine and public policy.

AJHG Editorial Board

Editor-in-Chief

Bruce R. Korf, MD, PhD

Deputy Editor

Sara B. Cullinan, PhD

Assistant Editors

Kylee Spencer, PhD

Alyson Barnes, PhD

Associate Editors

Stephen Burgess, PhD

Claudia Gonzaga-Jauregui, PhD

Douglas Easton, PhD

Neil Hanchard, MBBS, DPhil

Friedhelm Hildebrandt, MD

Hae Kyung Im, PhD

Lluis Quintana-Murci, PhD

Genevieve Wojcik, PhD

Jian Yang, PhD

Ingrid Holm, MD, MPH

Amanda Spurdle, PhD

Zoltan Kutalik, PhD

Most Downloaded Articles

- [Genetic and functional correction of argininosuccinate lyase deficiency using CRISPR adenine base editors](#)
- [ClinGen guidance for use of the PP1/BS4 co-segregation and PP4 phenotype specificity criteria for sequence variant pathogenicity classification](#)
- [An integrative framework to prioritize genes in more than 500 loci associated with body mass index](#)



IMPACT FACTOR
8.1

The American Journal
of Human Genetics



IMPACT FACTOR
3.3

Human Genetics and
Genomics Advances

HIGHLIGHTS

225+
Articles
Published

3 million+
Articles
Downloaded

HUMAN GENETICS AND GENOMICS ADVANCES

ASHG's fully open access journal *Human Genetics and Genomics Advances* (HGG Advances) allows for the rapid dissemination of cutting-edge, high-impact research across the breadth of human genetics that is immediately accessible to researchers and the science-interested public.

HGG Advances Editorial Board

Editor-in-Chief

Michael J. Bamshad, MD

Deputy Editor

Jessica Chong, PhD

Associate Editors

Nora Abul-Husn, PhD
Alexis Battle, PhD
Elizabeth Bhoj, MD, PhD
Clement Chow, PhD
Brian Chung, MD, FCCMG
Michael P. Epstein, PhD
Tamar Harel, MD, PhD
Audrey Hendricks, PhD
Micheil Innes, MD
Guida Landourey, MD, PhD
Elizabeth Leslie, PhD
Mingyao Li, PhD
Kerstin Ludwig, PhD

Philip J. Lupo, MPH, PhD
Nicholas Mancuso, PhD
Jean Morrison, PhD
Sara Mostafavi, PhD
Leon Mutesa, MD, PhD
Charmaine Royal, PhD
Avni Santani, PhD
Fasil Tekola-Ayele, PhD
Jennifer Wagner, JD, PhD
Nicole Weaver, MD
Heather Wheeler, PhD
Joon-Ho Yu MPH, PhD

Most Downloaded Articles

- [Conflating race and ancestry: Tracing decision points about population descriptors over the precision medicine research life course](#)
- [A base editing strategy using mRNA-LNPs for *in vivo* correction of the most frequent phenylketonuria variant](#)
- [Evaluating and improving health equity and fairness of polygenic scores](#)

PUBLICATIONS CONTINUED

AWARDS FOR OUTSTANDING PUBLICATIONS

Each year, *AJHG* and *HGG Advances* recognize trainees and early career professionals who authored articles published in the journals within the previous year and whose published work the editors feel best represent outstanding scientific contributions to the field of human genetics and genomics.

2023 *AJHG* Award for Outstanding Trainee Publication



Stijn Van de Sompele, PhD

[Multi-omics approach dissects cis-regulatory mechanisms underlying North Carolina macular dystrophy, a retinal enhanceropathy](#)



Xianyong Yin, MD, PhD

[Integrating transcriptomics, metabolomics, and GWAS helps reveal molecular mechanisms for metabolite levels and disease risk](#)

2023 *HGG Advances* Award for Outstanding Early Career Publication



Charleston W. K. Chiang, PhD

[Inverted genomic regions between reference genome builds in humans impact imputation accuracy and decrease the power of association testing](#)



Alicia Martin, PhD

[Low and differential polygenic score generalizability among African populations due largely to genetic diversity](#)

AWARDS

2023 PROFESSIONAL AWARDS

From prestigious awards for outstanding achievements in the field to supporting the next generation of geneticists through merit-based travel grants to the annual meeting, ASHG honors excellence in and promotes member work across the span of their careers.

ASHG Lifetime Achievement Award

Recognizes substantial and far-reaching scientific contributions to human genetics.



Neil Risch, PhD

Lamond Family Foundation
Distinguished Professor in Human Genetics and Founding Director of the Institute for Human Genetics, at the University of California, San Francisco (UCSF)

ASHG Leadership Award

Recognizes individuals whose professional achievements have fostered and enriched the development of human genetics as well as its assimilation into the broader context of science, medicine, and health.



Nancy Cox, PhD

Mary Phillips Edmonds Gray
Professor of Medicine and Director of the Vanderbilt Genetics Institute and of the Division of Genetic Medicine within the Department of Medicine at Vanderbilt University Medical Center

ASHG Scientific Achievement Award

Recognizes genetics and genomics researchers who have made significant scientific contributions during the past decade.



Molly Przeworski, PhD

Professor of Biological Sciences and of Systems Biology at Columbia University

ASHG Early Career Award

Recognizes the contributions of genetics and genomics scientists in the first ten years of their careers as independent investigators.



Karen Miga, PhD

Assistant Professor in the Biomolecular Engineering Department at the University of California, Santa Cruz (UCSC) and Associate Director at the UCSC Genomics Institute



Jennifer Posey, MD, PhD

Assistant Professor of Molecular & Human Genetics at Baylor College of Medicine

ASHG Advocacy Award

Recognizes individuals who have exhibited excellence and achievement in application of human genetics for the common good, in areas such as facilitating public awareness of genetics issues, promoting funding for biomedical research, and integrating genetics into health systems.



Dianna Milewicz, MD, PhD

President George H.W. Bush Chair of Cardiovascular Medicine, Director of the Division of Medical Genetics and Vice-Chair of the Department of Internal Medicine at the University of Texas Health Science Center at Houston (UTHealth) McGovern Medical School

ASHG Education Award

Recognizes individuals for exceptional contributions to human genetics education.



Lei-Shih Chen, PhD

Professor in the Department of Health Behavior, School of Public Health at Texas A&M University

AWARDS CONTINUED

TRAINEE RESEARCH EXCELLENCE AWARDS

The Trainee Research Excellence Awards honor excellence in research conducted by predoctoral and postdoctoral trainees, recognizing highly competitive abstracts submitted and presented at the ASHG Annual Meeting.

2023 Trainee Research Excellence Award Winners

Predoctoral

Albert Henry, University College of London
Kristy Mualim, Stanford University
Jennifer Waldo, University of California, Davis

Postdoctoral

Alicia Huerta, Broad Institute
Margaux Hujoel, Broad Institute
Jose Uribe-Salazar, University of California, Davis

RESOURCE-LIMITED COUNTRY AWARDS

These awards help defray the costs of ASHG Annual Meeting participation for individuals living in resource-limited countries categorized by the World Bank as having low income or lower middle-income economies.

2023 Resource-Limited Country Awardees

Mona A.M. Abo-Zeid, PhD, Biotechnology Research Institute, National Research Centre

Claudia Anyigba, BS/BA, University of Ghana

Olaitan Awe, PhD, University of Ibadan

Arwa Babai, MS, University of Khartoum

Esha Bhattacharjee, MS, National Institute of Biomedical Genomics

Palwende Boua, PhD, Institut de Recherche en Sciences de la Santé (IRSS)

Amir Bouaziz, MS, Institut Pasteur of Tunis

Sudipta Chakraborty, MS, National Institute of Biomedical Genomics

Farid Cherbal, PhD, LBCM, Faculty of Biological Sciences, USTHB

Yacouba Dia, PharmD, MS, University Cheikh Anta Diop

Ola Eid, MD, PhD, National Research Centre, Egypt

Nouhaila En Najih, MS, Abdelmalek Essaadi University

Tawakalt Fagbayi, PhD, University of Lagos

Adekunle Fakunle, PhD, Osun State University

Saba Faraz, PhD, National Institute of Blood Diseases and Bone Marrow Transplantation

Ambrin Fatima, PhD, Aga Khan University, Karachi

Itunuoluwa Isewon, Covenant University, Ota

Yusuf Danasabe Jobbi, MS, Aminu Kano Teaching Hospital, Nigeria

Comfort Kanji, BS/BA, African Institute of Biomedical Science and Technology (AiBST)

Christopher Kintu, PhD, Makerere University

Alassane Dit Baneye Maiga, MD, University of Sciences, Techniques and Technologies of Bamako

Cybel Mehawej, PhD, Lebanese American University

Kizito Mosema-Be-Amoti, MD, PhD, Institut National de Recherche Biomédicale (INRB)

Gerrye Mubungu, MD, PhD, Université de Kinshasa

Olusola Olawoye, MD, PhD, College of Medicine University of Ibadan, Nigeria

Ngozi Otuonye, PhD, Nigerian Institute of Medical Research

Mariam Traore, MS, MRC/UVRI & LSHTM Uganda Research Unit

Oumou Traoré, MD, University of Sciences, Techniques and Technologies of Bamako, USTTB

Esther Uwibambe, MD, University of Rwanda

FELLOWSHIPS

In June 2023, ASHG and NHGRI announced the expansion and renaming of our joint fellowship program through a five-year, \$7 million contract. The newly named, **ASHG-NHGRI Genomics and Public Service Fellowships** program continues and enhances the prestigious post-graduate Genetics & Public Policy Fellowship and Genetics Education & Engagement Fellowship and launches two new fellowships: a post-graduate Genomics Communication Fellowship and the Post-Baccalaureate Genomics Analyst Fellowship. Applications for all programs opened in fall 2023 and the first cohort, listed below, started rotations in July 2024.

POST-GRADUATE FELLOWSHIPS

The ASHG-NHGRI post-graduate fellowship programs provide fellows with experiences working within NHGRI (National Human Genome Research Institute), ASHG, and a possible third institution (e.g., Congress, educational institution) informed by the fellows' preferences and career goals.

Genetics & Public Policy Fellowship

Designed for those interested in genetics-related health and research policies at a national level.



Albert Hinman, PhD

2022–2024 Genetics and Public Policy Fellow



Elizabeth Roy, MPH

2024–2026 Genetics and Public Policy Fellow

Genomics Communication Fellowship

Designed for those interested in genetics and genomics related communications to the public about the impact of genomics on society.



Jacqueline Cohen, MPH

2024–2026 Genomics Communications Fellow

Genetics Education & Engagement Fellowship

Designed for those interested in genetics-related public engagement and/or professional development for students to professionals.



Nancy Sey, PhD

2022–2024 Genetics Education & Engagement Fellow



Camerun Washington, MS, CGC

2024–2026 Genetics Education & Engagement Fellow

FELLOWSHIPS CONTINUED

POST-BACCALAUREATE FELLOWSHIPS

The **Post-Baccalaureate Genomics Analyst Fellowship** is for recent undergraduates to gain exposure to and training in multiple career paths that advance public service for human genetics and genomics. Fellows work either with NHGRI in the extramural research program or with ASHG exploring the variety of work that ASHG does to advance genetics and genomics research, literacy, public policy, and workforce development.

2024–2026 Post-Baccalaureate Genomics Analyst Fellows



Sofia Martín
NHGRI



Milke Lopez
NHGRI



Maya Montgomery
ASHG



Jessica Reinach
NHGRI



Alauna Rupert
NHGRI



Gabriele Villard
NHGRI



Alison Wilcox
ASHG



LEARNING & CAREER DEVELOPMENT

ASHG offers year-round online access to professional education and career development programs for genetics and genomics professionals across all career stages and interests.

ASHG Learning Center

The [ASHG Learning Center](#) provides access to all ASHG digital programs including live and on-demand webinars, interactive workshops, podcasts, and Annual Meeting content. A grant from the Illumina Corporate Foundation since 2020 has enabled and supported the growth of ASHG online education programming.

2

new content types:
ASHG Highlights and Replays

Watch ASHG Highlights for webinar previews and keep an eye out for ASHG Webinar Replays, on-demand content re-aired with the speakers joining for a live Q&A after the session.

4,523

registrants

21

webinars

5

workshops

23

new podcast episodes



LEARNING & CAREER DEVELOPMENT CONTINUED



Career and Professional Development Events

ASHG also held multiple events focused on career and professional development including:

- **ASHG Annual Meeting events and activities**
 - The Confidence Factor: Thriving in Your Career Workshop
 - 3rd ASHG Career Fair open throughout the conference
 - Career coaches offered free resume review
 - Professional headshots in the headshot lounge
 - Trainee Social Reception
- **Webinars**
 - Industry Insights: Early-Stage Companies and Venture Capital in the Biotech Sector

ASHG Career Center

The ASHG Career Center features year-round resources and opportunities for genetics and genomics professionals, no matter their career stage. The ASHG Job Board has become one of the biggest resources for our members since its launch in 2019.

The ASHG Job Board in 2023:

300+ employers **2,000+** open positions

DIVERSITY, EQUITY, & INCLUSION

As both a strategic and scientific imperative, ASHG is committed to valuing, driving, and embodying diversity, equity, and inclusion in human genetics and genomics research, policies, programming, workforce initiatives, membership, and volunteer leadership.

ASHG HBCU PARTNERSHIP SUMMIT

In March 2024, ASHG convened its first-ever Historically Black Colleges and Universities (HBCU) Partnership Summit. This Summit welcomed 16 participants across various career stages to jointly scope opportunities for ASHG to engage and build collaboration with faculty, students, and administrators at HBCUs. During the Summit, leaders from the Board of Directors and Diversity, Equity, and Inclusion Task Force provided remarks and short presentations.

Summit participants identified two major barriers to equity and inclusion in human genetics and genomics research and workforce: (1) funding and capacity and (2) career pathways and workforce. Participants also highlighted a few key opportunities, which included involving more HBCUs in human genetics and genomics research; promoting HBCUs strengths and accomplishments in research and workforce; and creating forums that provide connection for HBCU researchers and trainees in genomics. ASHG views the Summit as an important step towards strengthening partnerships and collaborations to achieve our vision that "People everywhere realize the benefits of human genetics and genomics research."

HUMAN GENETICS SCHOLARS INITIATIVE

Made possible with continued foundational support from NHGRI and Biogen along with annual support from GSK, Merck & Co, and Roche, the Human Genetics Scholars Initiative supports the professional success of early-career genetics and genomics researchers from diverse and underrepresented backgrounds by providing them with year-round education, networking, and mentoring while also working to develop a community of researchers and leaders committed to diversity, equity, and inclusion at their institutions.

2023–2025 Human Genetics Scholars



Kimberly A. Ellis, BS

PhD Student, Vanderbilt University Medical Center



Jasmin Mack, MPH, MS

PhD Candidate, National Institute of Health and The University of Cambridge



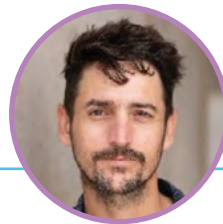
Oscar Florez-Vargas, PhD

Research Fellow, National Cancer Institute



Bruce Nmezi, PhD

Postdoctoral Fellow, University of Pittsburgh



Jeff Jaureguy, BS

PhD Candidate, University of California, San Diego



Alexis Pigg Akerele

PhD Student, Meharry Medical College



Ronnie Li, BS

PhD Candidate, Emory University



Justina P. Tavana, BS

PhD Candidate, Brigham Young University

ADVOCACY & POLICY

ASHG, through its leadership and member advocates, speaks out on behalf of the human genetics and genomics community by advocating in Congress for robust and sustained investment in research; writing perspectives on the implications of genetics and genomics discoveries; advocating for greater diversity, equity, and inclusion in genomics research; and promoting the value and impact of science for personal and public health, and society at large.

ADVOCACY CERTIFICATE FOR HUMAN GENETICS AND GENOMICS TRAINEES

The [Advocacy Certificate for Human Genetics and Genomics Trainees \(ACGT\)](#), now in its third year, helps trainees build their professional skills within science policy and advocacy.

2024 Advocate Program Trainees



Mary Hackbarth, BS

MD/PhD Student, University of Maryland School of Medicine



Kathleen (Kathy) Rosales, MS, MPH

Genetic Counselor, Emory University School of Medicine



Guinevere Spurdens, BS

PhD Student, University of Miami Miller School of Medicine



Rodrigo Mendez, PhD

Postdoctoral Fellow, Medical Geneticist, Stanford University



Miriam Saffern, BS, BA

PhD Student, Icahn School of Medicine at Mount Sinai



Jennifer (JJ) Waldo, PhD, MA

Postdoctoral Researcher, University of California, Davis



Lydia Rader, MS

PhD Candidate, University of Colorado Boulder



Larah Siouffey, MS

Associate Clinical Variant Curator, Natera



Diya Yang, MS

PhD Candidate, Case Western Reserve University School of Medicine

ASHG PUBLIC SERVICE AWARD

In October 2023, ASHG awarded four outstanding members of Congress with the ASHG Public Service Award to recognize their extraordinary leadership on the Senate and House Appropriations Committees and dedication to advancing biomedical research funding, including transformative and novel applications of human genetics and genomics research. Awardees included:

Sen. Susan Collins (R-ME)

Sen. Patty Murray (D-WA)

Rep. Kay Granger (R-TX-12)

Rep. Rosa DeLauro (D-CT-03)

MEMBER RESOURCES

Fact Sheets

- [Data Sharing to Advance Genetic and Genomic Knowledge](#)
- [Gene Therapy: From Fundamental Research to Clinical Success](#)
- [Understanding the Genetics of Parkinson's Disease](#)

(left to right) ASHG Manager, Advocacy and Public Affairs, Karina Miller, PhD, 2023 Board of Directors members Bruce Korf, MD, PhD, and Digna Velez Edwards, PhD, in front of the Capitol Building



Webinar Series

- [Towards Health Equity: Prioritizing Community Partnerships in Human Genetics Research](#)
- [Navigating the Use of Population Descriptors in Human Genetics and Genomics Research](#)

SHARING THE IMPORTANCE OF RESEARCH AND ADVOCACY

ASHG was committed to sharing personal stories from patients and researchers about the importance of human genetics and genomics research on their lives, the economy, and society.

- 3 op-eds from Society leaders
- 2 patient stories
- Participation in Hill Day during which ASHG advocates shared the importance of continued support for human genetics and genomics research, advocating for NIH funding and sharing ASHG's key policy priorities.
- Participation in the Rally for Medical Research with the goal of calling on policymakers to make funding for NIH a national priority and raise awareness about the importance of continued investment in medical research.

PUBLIC ENGAGEMENT

ASHG actively engages the public in learning more about their genomes, gaining a new appreciation of humanity's diversity and our shared genetic heritage as a single species, and exploring the benefits and implications of genetics and genomics for society-at-large.

DNA DAY ESSAY CONTEST

Each year ASHG works to spark excitement and learning among the next generation of genetics professionals and foster greater public awareness through our annual DNA Day Essay Contest. 2024 yielded the highest number of submissions and greatest number of participating countries since the contest began in 2006.

The question for the 2024 annual contest asked students to address the interplay of genetics and environment in shaping human health. For the second time, ASHG invited the first-place winner to record a video with their teacher about their essay and the writing process.



2024 Submission Statistics:

1,300+
submissions

44
participating
U.S. states

52
participating
countries

Additional DNA Day celebrations included a discussion panel on the Ask Science Reddit page, a social media campaign identifying examples of the interplay between genetics and environment in human health, and a fact sheet targeted to middle and high school students.

2024 DNA Day Essay Contest Winners



Megan Xie, Grade 12

Teacher: Mrs. Margot Bram

School: Lower Moreland High School

Location: Huntingdon Valley,
Pennsylvania



Macey Hunter, Grade 12

Teacher: Ms. Cameron Simpkins

School: Fayetteville High School

Location: Fayetteville, Arkansas



Justin Lin, Grade 11

Teacher: Ms. Kailin Duan

School: San Marino High School

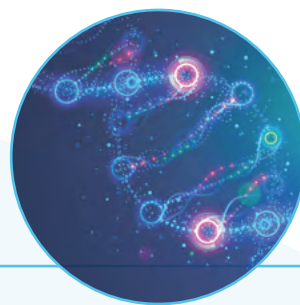
Location: San Marino, California

Read the winning essays at ashg.org/dna-day

DISCOVER GENETICS

ASHG's public-facing website, [Discover Genetics](#), added resources this past year, including:

- 2 webinars and a Q&A blog post about genetic technologies
- 1 fact sheet about epigenetics
- News articles which highlight the wonders of human genetics and genomics research



[Genetic Technologies Webinar](#)



[STEM Careers Webinar](#)



[Understanding Genetic Technologies Q&A](#)



[Epigenetics Fact Sheet](#)

SOCIAL MEDIA

ASHG social media channels expand our reach to the greater public to garner added interest from broader audiences into genetics and genomics and Society programming, resources, and membership.



22,746
followers with

24
new per month



52,474
followers with

217
new per month



11,465
followers with

428
new per month



5,543
followers with

166
new per month

FINANCES

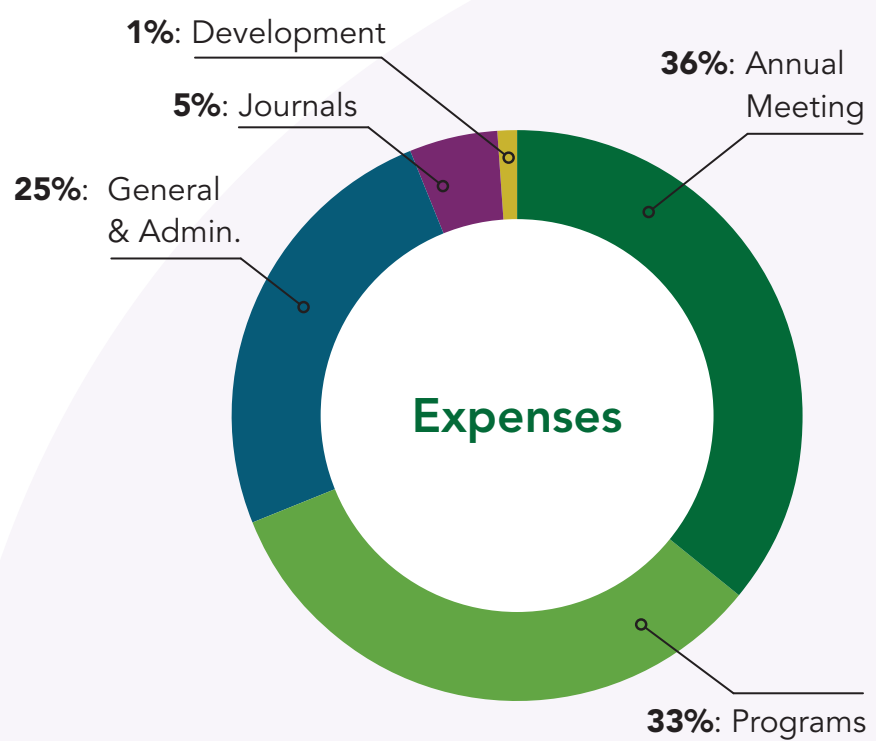
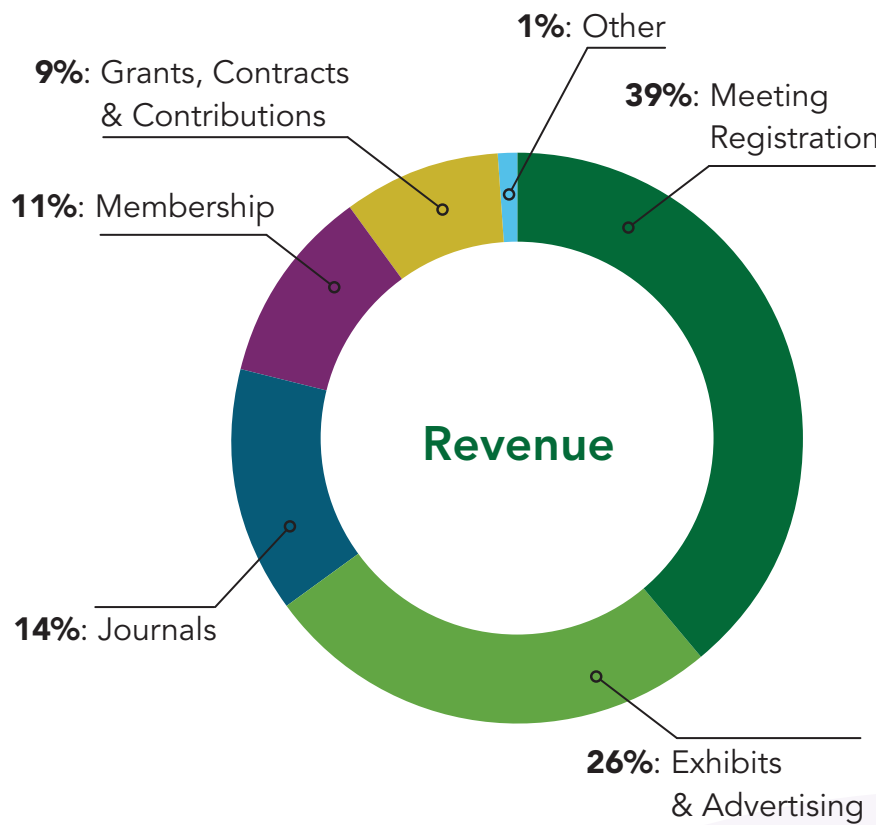
ASHG’s finances were very sound in fiscal year 2024. Preliminary financial results are presented here; audited financial statements will be available online later this year.

OPERATIONS

FY24 operating revenue totaled \$9.1 million while operating expenses totaled \$8.4 million, producing an operating income of \$749K. Operating revenue exceeded expenses in large part due to the great performance of the 2023 Annual Meeting. Attendance and exhibit revenue were much higher than expected while expenses were lower than expected due to prudent expense management. The Society also gratefully accepted valued member and company donations and secured several large grants, contracts, and contributions to support digital learning, DEI initiatives, and fellowship programs.

RESERVE PORTFOLIO AND STRATEGIC INVESTMENT FUNDS

The Society’s investments remain prudently invested for both long-term performance and protection of the Society. The Society’s investment reserve portfolio weathered the market fluctuations this past year reporting a reserve totaling \$21.3 million at fiscal year-end. The strength of ASHG’s reserve portfolio provides the opportunity to reinvest further in Society programs and services. As such, the Board authorized use of up to 3% of the reserve value in FY24 to support strategic initiatives. These investments totaled \$680K and included investments in DEI and journal staffing and programs, the 75th anniversary gala and promotion at the annual meeting, and recruitment of a new CEO.



PARTNERS

ASHG partners with numerous organizations and government agencies to fund and collaborate on programs and initiatives advancing our collective vision that people everywhere realize the benefits of human genetics and genomics research.

INDUSTRY ROUNDTABLE

ASHG launched the Industry Roundtable in spring 2024 with the goal of regularly assembling leaders from ASHG and companies working in human genetics and genomics to discuss, strategize, and act to address non-competitive challenges and opportunities in the field.

In May, Roundtable members—Illumina, PacBio, and Complete Genomics—along with ASHG leaders and staff met to discuss ways to speed discovery and application of genomics research, foster public trust and engagement, boost public funding, and grow and support the workforce. The Roundtable collectively identified several key ideas and recommendations that ASHG could and will consider as future programs or initiatives.

2024 Roundtable Members

\$50k Level

illumina[®]

\$25k Level

PacBio **Complete GENOMICS**[™]

\$10k Level

INOCRAS

PROGRAM GRANTS & SPONSORSHIPS

Thank you to those organizations who joined in support of programs and initiatives that benefit the human genetics and genomics research community through their generous financial and volunteer contributions.



ASHG-NHGRI Fellowships
Human Genetics Scholars Initiative
Resource-Limited Country Awards

illumina[®]

Impact Partnership
ASHG Learning Center



Human Genetics Scholars Initiative



Human Genetics Scholars Initiative



Human Genetics Scholars Initiative

B:OMARIN[®]

Trainee Research Excellence Awards



Human Genetics Scholars Initiative



Resource-Limited Country Awards

COLLABORATIONS

The Society collaborates with multiple other nonprofit and governmental organizations to pursue policies and programs that advance scientific research.

- Ad Hoc Group for Medical Research
- American Association for the Advancement of Science
- American Board of Medical Genetics and Genomics
- American College of Medical Genetics and Genomics
- Annual Biomedical Research Conference for Minority Students
- Association of Professors of Human and Medical Genetics
- European Society of Human Genetics
- Federation of American Societies of Experimental Biology
- International Federation of Human Genetics Societies
- Minority Genetic Professionals Network
- National Human Genome Research Institute
- National Science Teachers Association
- National Society of Genetic Counselors
- Research!America
- Society for Advancement of Chicanos/Hispanics and Native Americans in Science
- U.S. National Academies of Science, Engineering, and Medicine



DONORS

Our donors make a huge impact on the genetics and genomics community and society at large. Thank you for all you do for the Society and the community. The individuals and organizations listed below made charitable gifts between July 1, 2023, and June 30, 2024.

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ASHG is grateful for the dedication and hard work of our volunteer leaders and staff. The Society could not serve the field successfully without your engagement and expertise. Thank you!

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