



ASHG

American Society of
Human Genetics

2024 ANNUAL 2025 REPORT

ONE HUMANITY, MANY GENOMES

TABLE OF CONTENTS

Message from the President.....	3
ASHG by the Numbers.....	4
Advocating for Genetics & Genomics.....	5
Celebrating Excellence.....	7
Partnering for Growth & Impact.....	9
Advancing Knowledge & Capacity Within the Field.....	10
Building Community.....	15
Ensuring Organizational Resilience.....	16

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 united by a desire to apply genetic and genomics science to transform human health. In addition to serving and representing its members, ASHG builds a future where genetic and genomic discoveries transform into profound impact.

MISSION

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

CORE VALUES

INTEGRITY

RIGOR

INCLUSION

INNOVATION

COLLABORATION

SOCIAL
RESPONSIBILITY

MESSAGE FROM THE PRESIDENT

Dear ASHG members,

The past few months have been stressful for science, the research community, and our members. At all times, particularly those that are difficult, ASHG offers a supportive community, a vocal advocate, and celebrates the essential, life-saving work to which our members and the broader biomedical community have dedicated their careers.

This year we've met with lawmakers to share your individual and collective stories about the impact of biomedical research on a healthier world. We celebrated our community's collective accomplishments. Through it all I have the honor of representing our achievements, our strength and our passion for the human genetics and genomics community. It is truly a privilege.

We have accomplished a lot over the past year. We gathered in snowy Denver, Colorado for the 2024 Annual Meeting. We introduced new networking and career opportunities, including a buzzing Career Hub where members connected with one another, discussed job opportunities, and interacted with pioneers in the field.

We invested in our digital programming to bring education and resources directly to you. The new Digital Pass allowed post-Annual Meeting access to select talks, panels, workshops, and more. Just a few months later, the Virtual Cancer Genetics Symposium brought together more than 20 speakers over two days to present the latest, cutting-edge research in cancer genetics. We were thrilled with the global participation in this signature event.

Our journals thrived this year, with both *AJHG* and *HGGA* having record submissions. I am proud to be part of and represent ASHG as president this year. The accomplishments of our members this year are a testament to our standard of excellence in research, education, and advocacy.

Science is resilient and so are you. ASHG is with you every step of the way.

The following pages show how ASHG has come together to succeed.

A portrait of Sarah Tishkoff, the ASHG President. She is a woman with long, wavy brown hair, smiling at the camera. She is wearing a dark-colored top with a small gold button visible at the collar.

Sarah Tishkoff

Sarah Tishkoff, PhD
ASHG President

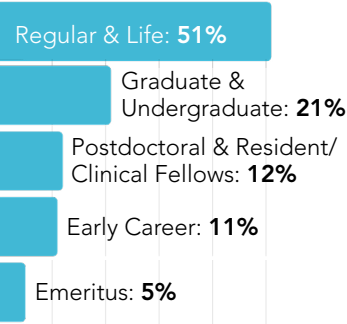
ASHG BY THE NUMBERS

We are ASHG—a vibrant, global community united by a shared passion and commitment to advancing human health through genetics and genomics research. Over the past year, we’ve brought together scientists, clinicians, educators, and innovators from across continents, career stages, and professional settings to network and learn. This report highlights the rich tapestry of individuals and activities that bring our mission to life.

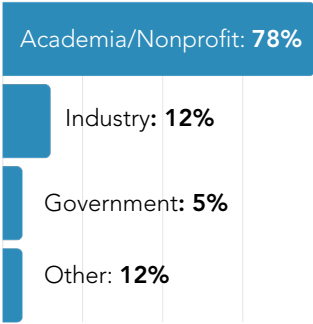
MEMBERSHIP

7,276
Total Members

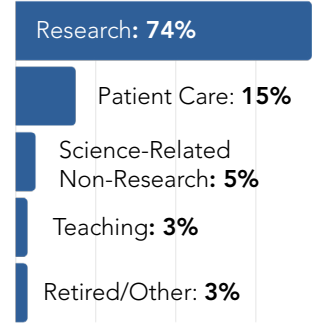
MEMBER TYPES



WORK SETTING



TYPES OF WORK



WORLDWIDE IMPACT

100+ Countries Represented

TOP MEMBERSHIP NATIONS:

- | | |
|-------------------|--------------|
| 1. UNITED STATES | 4. JAPAN |
| 2. CANADA | 5. AUSTRALIA |
| 3. UNITED KINGDOM | |



MAKING A DIFFERENCE

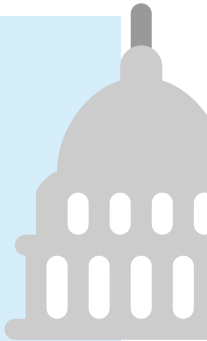
1,000+

messages to Congress from members advocating for human genetics and genomics research

\$30,000
in travel grants awarded

7,000+
digital program learners

30+
media mentions



SOCIAL MEDIA FOOTPRINT



51,689
followers



15,680
followers



8,690
followers



22,755
followers



1,132
followers

DNA DAY ESSAY CONTEST AI IN GENETIC TESTING

1,200+
submissions

Students from **45 U.S. states** and a record **59 countries** participated

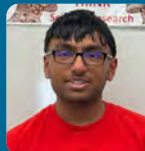
\$3,000+ in prizes distributed



1ST PLACE
Ethan Poh



2ND PLACE
Alex Mi



3RD PLACE
Dharahaas Nalla

Learn more about the [winners](#)!

ADVOCATING FOR GENETICS & GENOMICS

We worked together with our members and coalition partners to champion sustained funding for biomedical research and to support the next generation of leaders – activities core to our mission and vision. Through **14 policy letters** and **8 action alerts**, we mobilized our community to ensure that our voices and perspectives were amplified. Here are some additional highlights:

WORKING TOGETHER WITH OUR COALITION PARTNERS

In partnership with coalitions such as the Ad Hoc Group for Medical Research and Research!America, we continued to champion robust federal investment in biomedical research. We joined over **500 organizations** in urging Congress to allocate at least **\$51.303 billion** for the NIH in FY26 and played a key role in opposing a proposed 38% budget cut.

We also joined 20 scientific societies in submitting formal concerns about the Office of Personnel Management's proposed Schedule F rule. Our feedback emphasized the potential risks to scientific integrity, leadership continuity, and the resilience of the biomedical research enterprise, while underscoring the importance of shielding science from political influence.

Additionally, we joined nearly **400 organizations** in advocating for the timely finalization of FY25 NIH funding, reinforcing the critical need for sustained, predictable investment in research that benefits communities in every congressional district.

Throughout the year, we worked closely with leading scientific and advocacy partners to advance policies that support human genetics research and protect the integrity of science.

NEW POLICY PRIORITIES

With input from membership, we **refreshed** our **policy priorities** for the 119th Congress. These priorities are the focus of our policy and advocacy efforts.

They are:

- Sustained funding for rigorous genetics and genomics research
- Ethical and responsible applications of genetics and genomics research
- Supporting the scientific workforce and genetic variation in research cohorts



Scan for more information regarding new priorities.



EVENTS ON CAPITOL HILL

Face-to-face conversations with lawmakers and their staff are a powerful tool to demonstrate the personal side of human genetics and genomics research. ASHG holds bipartisan meetings on Capitol Hill to emphasize the role of human genetics and genomics research in biomedical advancements, share personal stories about the impact of policy changes and budget cuts, and communicate ASHG's new policy priorities.



HILL DAY 2025



RALLY FOR MEDICAL RESEARCH

ADVOCACY CERTIFICATE FOR HUMAN GENETICS AND GENOMICS TRAINEES (ACGT) PROGRAM

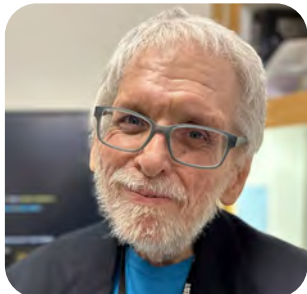
The ACGT program continues to be a cornerstone of ASHG's commitment to cultivating future leaders in science policy and advocacy. Designed specifically for ASHG trainee members, ACGT offers a structured experience that introduces participants to the critical role of advocacy in advancing human genetics and genomics research. The [4th cohort of the ACGT program](#) was selected during this period.

CELEBRATING EXCELLENCE

AWARDS

Through our awards programs, we celebrate excellence at every career stage. These awards ensure the voices and discoveries of all human genetics and genomics researchers are shared, recognized, and elevated.

2024 PROFESSIONAL AWARDS



Lifetime
Achievement Award
**James R. Lupski, MD,
PhD, DSc**



Lifetime
Achievement Award
**Margaret A. Pericak-
Vance, PhD**



Leadership Award
Cynthia Morton, PhD



Scientific
Achievement Award
Nadav Ahituv, PhD



Education Award
Ada Hamosh, MD, MPH



Mentorship Award
Gail Jarvik, MD, PhD



Advocacy Award
Vence L. Bonham, Jr., JD



Early Career Award
Loïc Yengo, PhD

2024 Annual Meeting Resource-Limited Travel Awards

- 10 awardees funded by ASHG
- 20 additional awardees through a partnership with NHGRI and DS-I Africa (**NEW** for 2024)

2024 Trainee Research Excellence Awards

Pre-Doctoral Winners:

- Lindsay Guare, BS
- Taylor Maurer, BA
- Zoi Tsangalidou, MS

Post-Doctoral Winners:

- Rosemary Bamford, PhD
- Giovanni Quinones-Valdez, PhD
- Johanna Smith, PhD

PUBLICATIONS AWARDS

Publications Awards celebrate outstanding scientific contributions from trainees and early-career authors, selected by journal editors for their exceptional research and impact on the field of human genetics.

AJHG AWARD FOR OUTSTANDING TRAINEE PUBLICATION

Dominique L. Brooks, BS, for the paper, "[Efficient *in vivo* prime editing corrects the most frequent phenylketonuria variant, associated with high unmet medical need](#)"

Yosuke Tanigawa, PhD, for the paper, "[Power of inclusion: Enhancing polygenic prediction with admixed individuals](#)"



AJHG Award Winners (L-R):
Dominique L. Brooks, BS, Bruce Korf, MD, PhD
(AJHG Editor-in-Chief), Yosuke Tanigawa, PhD.

HGG ADVANCES AWARD FOR OUTSTANDING EARLY CAREER PUBLICATION

Philip M. Boone, MD, PhD, for the paper, "[Heterozygous loss-of-function *SMC3* variants are associated with variable growth and developmental features](#)"

Gregory Costain, MD, PhD, for the paper, "[A systematic assessment of the impact of rare canonical splice site variants on splicing using functional and *in silico* methods](#)"



HGG Award Winner Philip M. Boone,
MD, PhD (right) with HGG Editor-in-Chief
Michael Bamshad, MD

PARTNERING FOR GROWTH & IMPACT

INDUSTRY ROUNDTABLE

The ASHG Industry Roundtable is a collaboration with our industry partners to identify and address challenges and opportunities in the field. Thank you to our 2024-2025 Roundtable members.

The Illumina logo, featuring the word "illumina" in a lowercase, sans-serif font. The "i" is orange, and the rest of the letters are grey. A registered trademark symbol (®) is at the end.The Complete Genomics logo, with "Complete" in blue and "GENOMICS" in a smaller, blue, all-caps font. A blue silhouette of a person is to the right of "Complete".The INOCRAS logo, with "INOCRAS" in a bold, blue, all-caps font. A small blue sun-like icon is between the "O" and "C".The PacBio logo, with "PacBio" in a bold, magenta, sans-serif font. A magenta circle is to the right of the "o".

NATIONAL SOCIETY OF GENETIC COUNSELORS (NSGC)

We worked with our colleagues at NSGC to launch a webinar series to help our collective memberships become strong advocates for their work. The first webinar was held in May 2025 and focused on equipping researchers, clinicians, and genetic counselors with tools to effectively communicate their work and advocate for the field.

INTERNATIONAL FEDERATION OF HUMAN GENETICS SOCIETIES (IFHGS)

We are proud members of the IFHGS, a global alliance dedicated to advancing human genetics through international collaboration. Through this partnership, ASHG engages with a network of researchers, clinicians, and educators from around the world, strengthening our collective impact on global health and scientific progress. Together, we work to ensure that human genetics continues to thrive as a truly international discipline.

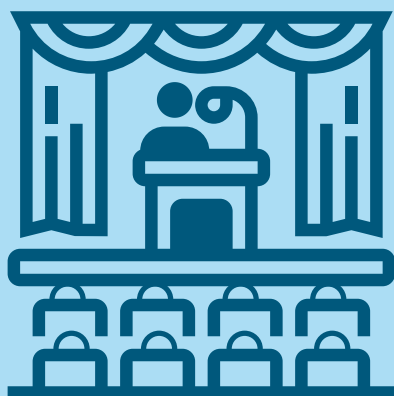
NASEM ROUNDTABLE ON GENOMICS AND PRECISION HEALTH

ASHG continues its participation in the National Academies of Sciences, Engineering, and Medicine (NASEM) Roundtable on Genomics and Precision Health, a vital convening body that brings together leaders from government, academia, industry, health systems, and patient-focused organizations to advance innovation and collaboration in the field. Through public workshops, membership meetings, and Action Collaboratives, the Roundtable provides a neutral forum for discussing emerging challenges, identifying actionable opportunities, and shaping the national dialogue on genomics and precision health. Activities during this fiscal year included workshops to engage and build relationships with underrepresented communities, and how clinical practice guidelines can impact adoption of genomics into routine medical care.

ADVANCING KNOWLEDGE AND CAPACITY WITHIN THE FIELD

ANNUAL MEETING

Under the snowy skies of Denver, Colorado, more than 7,000 attendees gathered for the 2024 ASHG Annual Meeting—a celebration of science, connection, and progress in research, treatment, and disease prevention. From excellent science to global connections, the event buzzed with energy and purpose—both in-person and through post-meeting session recordings. We continued to expand spaces where ideas flourish, careers grow, and the future of human genetics takes shape.



- 7,288 ATTENDEES
- 3,364 ABSTRACT SUBMITTED
- 315 EXHIBITING COMPANIES
- 66 INDUSTRY LED SESSIONS
- 16 FEATURED SYMPOSIA
- 6 INTERACTIVE WORKSHOPS
- 15 PLENARY TALKS
- 328 PLATFORM TALKS
- 3,000+ POSTERS
- 200+ DIGITAL PASS VIRTUAL ATTENDEES



PRESIDENTIAL SYMPOSIUM

MENDELIAN TRAITS: THINKING ABOUT COMPLEXITY IN THE WORLD OF "SIMPLE" GENETICS

For more than a century, human genetics has grappled with how to define traits and disorders along the spectrum from simple to complex—a debate that continues to shape modern applications. 2024 ASHG President, Bruce Gelb, MD and the expert panel explored this theme through historical context, insights into genetic complexity, and the role of randomness in shaping phenotypes.

DISTINGUISHED SPEAKERS SYMPOSIUM

THE PROMISE AND PAYOFF OF HUMAN GENETICS AND GENOMICS: PATHS FROM BENCH TO BEDSIDE

Translating genetic discoveries into real-world therapies is a complex journey, but one filled with hope and impact. The 2024 Distinguished Speakers Symposium highlighted leaders who've advanced from basic science to breakthrough treatments, shaping the ethics, policy, and communication of cutting-edge genetics and genomics research.

NEW EVENTS AND FEATURES AT ASHG 2024

ASHG POLICY FORUM

The Next Frontier of AI/ML in Human Genetics/Genomics

CAREER DEVELOPMENT TOPICS: A NETWORKING EVENT

Attendees connected and networked through small group discussions about career transition, leadership, and more!

LUNCHEON SESSION

Addressing the Challenges of Polygenic Scores in Human Genetic Research

EPOSTER GALLERY

An online resource that allowed registrants to browse posters through February 2025!

CAREER HUB

A new initiative offering a dedicated space for career development at the Annual Meeting, including the Hiring Mixer where job seekers and those looking to hire could meet in one place.

EDUCATION & PROFESSIONAL DEVELOPMENT

Through a collaborative, member-driven approach, we develop year-round programming created by members, for members—delivering access to cutting-edge science and fostering opportunities for meaningful connection and shared learning.

This year's educational programming included:

WEBINARS

20 webinars that offered timely, expert-led content to support professional growth across the human genetics community including:

- **10 Journal Clubs** spotlighting innovative research and providing early career scientists with valuable opportunities to present and engage with peers.
- **2 new online sessions** for Special Interest Groups, fostering year-round engagement and knowledge exchange.

VIRTUAL WORKSHOPS

3 virtual workshops, covering key topics including updates on the *All of Us* genomic dataset, hands-on training in variant curation, and strategies for shaping science policy.

PODCASTS

6 podcast episodes spotlighting the contributions of trainee members, providing a platform to share their research journeys and insights with the broader community.



VIRTUAL SYMPOSIUM: EMERGING FRONTIERS IN CANCER GENETICS

We debuted our first virtual symposium during which more than 20 experts shared cutting-edge developments and innovations in cancer genetics and genomics. The two-day event featured sessions on topics such as noncoding regulation, precision oncology, variant classification, cancer immunogenomics, technical innovations in prediction, and polygenic models of cancer risk. This symposium reflects ASHG's commitment to year-round access to high-quality science, professional development, and global collaboration.

PUBLICATIONS

ASHG's journals share the latest scientific breakthroughs and perspectives on the issues that move the field forward. They provide inspiration to readers, as well as exposure and opportunity for researchers, while maintaining scientific rigor and excellence. This period showed the continued growth and impact of our publications.

METRICS



AMERICAN JOURNAL OF HUMAN GENETICS (AJHG)

Impact Factor: **8.1**

- Received a **record-setting 1,200+ submissions.**
- Published **200+ papers.**

HUMAN GENETICS AND GENOMICS ADVANCES (HGGA)

Impact Factor: **3.6**

- Submissions continued to climb, increasing by **~50%.**
- Reached a milestone of over **100 papers published.**

New AJHG Editor-in-Chief

Following an extensive search process, **Kiran Musunuru MD, PhD, was announced as the incoming Editor-in-Chief of AJHG.** Dr. Musunuru is a Professor of Cardiovascular Medicine, Genetics, and Pediatrics at the Perelman School of Medicine at the University of Pennsylvania, where he also serves as Director of the Penn Cardiovascular Institute's Genetic and Epigenetic Origins of Disease Program and Scientific Director at the Penn Center for Inherited Cardiovascular Disease. ASHG is grateful for the leadership of current Editor-in-Chief, Bruce Korf, MD, PhD, whose tenure ends in December 2025.



Kiran Musunuru MD, PhD



Bruce Korf, MD, PhD

Best of AJHG and HGG Advances 2024 and 2025

Each year, ASHG's journals reflect upon the science that engaged and influenced readers with a collection of ten of their most-accessed research and commentary articles. The selection was based on download volume, citation count, and editorial judgment. The ASHG journals are committed to publishing outstanding research covering the breadth of human genetics and genomics.

AJHG

[A transcriptomic atlas of the human brain reveals genetically determined aspects of neuropsychiatric health](#)

[The impact of clinical genome sequencing in a global population with suspected rare genetic disease](#)

[Evidence-based recommendations for gene-specific ACMG/AMP variant classification from the ClinGen ENIGMA BRCA1 and BRCA2 Variant Curation Expert Panel](#)

[Benchmarking Mendelian randomization methods for causal inference using genome-wide association study summary statistics](#)

[High-throughput characterization of functional variants highlights heterogeneity and polygenicity underlying lung cancer susceptibility](#)

HGG Advances

[A systematic assessment of the impact of rare canonical splice site variants on splicing using functional and *in silico* methods](#)

[Comparison of methods for building polygenic scores for diverse populations](#)

[Menke-Hennekam syndrome; delineation of domain-specific subtypes with distinct clinical and DNA methylation profiles](#)

[Lack of association between classical HLA genes and asymptomatic SARS-CoV-2 infection](#)

[MRBEE: A bias-corrected multivariable Mendelian randomization method](#)



BUILDING COMMUNITY

Community is at the heart of our mission, fostering collaboration, mentorship, and shared purpose across the field of human genetics. Meaningful connections among members spark innovation, amplify impact, and strengthen our collective voice.

SHARED INTEREST GROUPS (SIGS)

SIGs provide an environment for members to connect, communicate, and collaborate with one another around a shared idea or interest. Members of each group have continued peer-to-peer conversations in person throughout the year, including at the 2024 Annual Meeting. They have also engaged virtually through online seminars and CoLabs. Here's what we offered:

- 3 Annual Meeting Meetups
- 2 Virtual Seminars
- 1 Digital CoLab
- 1 In-Person gathering for Washington, DC-area members (**NEW!**)

2,100 MEMBERS

Bioinformatics and
Computational Methods SIG

1,800 MEMBERS

Phenotypes & Genotypes SIG

1,000 MEMBERS

Emerging Laboratory
Technologies SIG



HUMAN GENETICS SCHOLARS INITIATIVE (HGSI)

Each year we welcome a new cohort to the HGSI program, an experience created to ensure that there is a talented and prepared workforce ready to address research needs in human genetics and genomics. Congratulations to these early career professionals who comprise our 2024-2026 cohort!



HGSI SCHOLARS

Amber M. Abram, MS, MPH
Kynon J. Benjamin, PhD
Razaq Durodoye, BS
Tania Fabo, BS, MSc
Gabrielle Ferra, BS
JP Flores, BA
Renée Fonseca, MS
Esteban Vazquez-Hidalgo, PhD

Thank you to our program sponsors,
NHGRI (until April 2025), Biogen,
Roche, GSK, and Merck!

ASHG-NHGRI GENOMICS AND PUBLIC SERVICE FELLOWSHIP PROGRAM

Each year, we partner with NHGRI on a fellowship program to provide training in various career paths that advance public service for human genetics and genomics. During this fiscal year, five post-baccalaureate fellows and three post-graduate fellows worked with ASHG and NHGRI to build their skills in areas including public policy, education and engagement, science communications, and scientific administration. The experiences and exposures they acquire during this fellowship will become their professional foundation and begin their genetics and genomics career journeys.

ENSURING ORGANIZATIONAL RESILIENCE

ASHG remains a financially resilient and forward-looking organization, well-positioned to lead, adapt, and innovate in a rapidly evolving scientific landscape. Through strategic planning, sound fiscal management, and a commitment to operational excellence, ASHG continues to build a strong foundation that supports its mission and long-term impact. This year, we focused on reinforcing our infrastructure, enhancing member value, and investing in initiatives that ensure the Society’s sustainability and agility for years to come.

FINANCES

ASHG’s finances were very sound in the fiscal year 2025. Preliminary financial results are presented here; audited financial statements will be available online later this year.

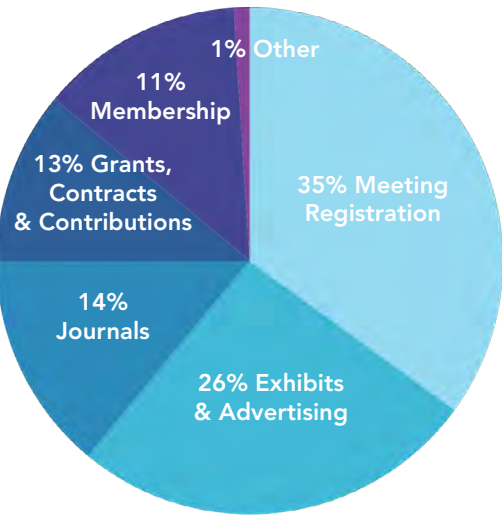
OPERATIONS

ASHG concluded FY25 with a net operating income of \$371K, reflecting prudent financial management and strategic cost control. Notably, targeted investments in digital transformation—including specialized staffing—are positioning ASHG for continued innovation and long-term growth.

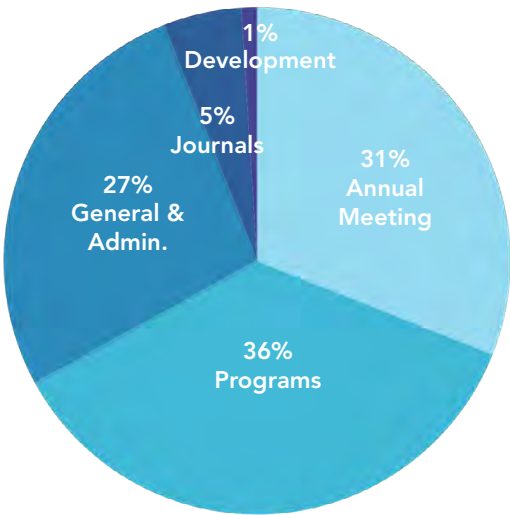
RESERVE PORTFOLIO & STRATEGIC INVESTMENT FUNDS

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 \$23.2 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 2% of the reserve value in FY25 to support strategic initiatives. These investments totaled \$511K primarily focused on new technology platforms and journal staffing.

REVENUE BREAKDOWN



EXPENSES BREAKDOWN



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, 2024, and June 30, 2025.

Ahmad Alaqeel
Haya AL-Balool
Neal Bazirake
John Belmont, MD, PhD
Leslie G Biesecker, MD
Helen A Bixenman, MA
Claude Bouchard, PhD
Lynn Wein Bush, PhD
Simon Carlo, MD
Yew S Choy, MD
Jena Cozza -Monaco
Sherry Dadgar, PhD
Matthew Deardorff, MD, PhD
Robert J. Desnick PhD, MD
Christine Disteche, PhD
Mr. and Mrs. Joseph Domanico
Marty and Carol Dragum
Benjamin Durham, MD
Ellen Elias, MD
Janan T Eppig, PhD
Wendy J Farquhar, MD
Irman Forghani, MD

Lydia J. Gary, MS
Arthur W Grix, MD
Chris Gunter, PhD
Ada Hamosh, MD
Madhuri R Hegde, PhD
R. Howell, MD
Christine E Jackson, PhD
Peng Jin, PhD
Lynn Jorde, PhD
Stephen Kandel
Daniel Lindsley Kastner, MD
Yoshiaki Kin, MD
Dwight Koeberl, MD, PhD
Bruce Korf, MD, PhD
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Vithal Madhira, MS
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Neil Morganbesser
William and Cynthia Morton
Samir K Munir, MS
Lisa Mylett

David Nelson, PhD
Concepcion Nierras, PhD
Irmgard Nippert, PhD
Robert L. Nussbaum and Jennifer M. Puck
Olufunmilayo Olopade, MD
Harry Orr, PhD
Frank Probst, MD, PhD
Ming Qi, PhD
Charmaine Royal, PhD
Mauro F Santibanez-Koref, MD
Tim Schedl, PhD
Osvaldo A Schirripa, MD
Rhonda Schnur, MD
Lana R Seguin-Spillman, PhD
Adel Shalata, MD, PhD
Lewis Silverman
Montgomery Slatkin, PhD
Edina Torgykes, MD
Pamela Trapane, MD
John Turocy, MD
Giles Vick, MD, PhD
Anthony Wynshaw-Boris, MD, PhD
Masatoshi Yamaguchi, MD, PhD

LEADERSHIP AND STAFF

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.





American Society of Human Genetics

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www.ashg.org