



Euan A. Ashley

Roger and Joelle Burnell Professor of Genomics and Precision Health, Arthur L. Bloomfield Professor of Medicine and Professor of Genetics, of Biomedical Data Science and, by courtesy, of Pathology

CLINICAL OFFICE (PRIMARY)

- **Cardiovascular Medicine**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contacts**

Brooke Gazzoli and Irina Polusmak

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Bio

BIO

Euan Ashley graduated with first class Honors in Physiology and Medicine from the University of Glasgow in Scotland. He completed medical residency and a PhD (DPhil) at the University of Oxford before moving to Stanford University in California where he studied genetics, data science, and completed subspecialty training in cardiovascular medicine. Dr Ashley is Chair of the Department of Medicine, Stanford's largest department with 15 divisions and close to 900 faculty.

Dr Ashley's research is focused on the science of precision medicine. In 2010, he led the team that carried out the first clinical interpretation of a human genome. Over the following years, his team built tools to analyze the genomes of the first patient family sequenced, completed the first whole genome molecular autopsy, made the first genetic diagnosis using long read sequencing, and helped establish genome sequencing as a routine part of the care of patients worldwide. In 2022, he led a collaborative team to set a Guinness World Record for the speed of sequencing a human genome, completing the variant calling in five hours and making genetic diagnoses in critically ill patients in just over seven hours — less than half the time of the previous record.

Dr Ashley's work in data science, artificial intelligence, and digital health has also broken boundaries. He leads the My Heart Counts Cardiovascular Health Study. Launched in collaboration with Apple in 2015, the application was the fastest recruiting medical study in history. More recently, his team works on artificial intelligence across multiple scales: Generative protein and DNA models direct design of novel genetic therapies; cellular morphology models define cellular phenotypes; multimodal models augment physician decision making in the clinic; generative models individualize behavioral health interventions for physical activity at population scale.

Dr Ashley co-directs Stanford's biomedical innovation-translation program, Catalyst, which invests in Stanford's most promising biomedical innovations. Since 2012, Dr Ashley has co-founded 7 biotechnology companies. He is a non-executive director of the pharmaceutical company AstraZeneca where he chairs the Board Science Committee.

Dr Ashley has received national and international recognition for his work including the NIH New Innovator Award, the American Heart Association (AHA) National Innovation Award and the Medal of Honor. He was recognized by the Obama White House for contributions to Personalized Medicine and worked with President Obama's Office of Science and Technology Policy on programs including the Precision Medicine Initiative (All Of Us) and the Frontiers science and technology conference. In 2023, he was awarded a John Simon Guggenheim Fellowship in recognition of his exceptional scholarship and promise.

Dr Ashley's first popular science book *The Genome Odyssey* was released in 2021. Favorably reviewed by the international press including the Wall Street Journal and the Times of London, it has been translated into multiple languages and distributed globally.

Father to three Americans, Dr. Ashley spends his free time piloting small planes, mountain biking, and playing soccer. In his spare time, he tends to his special research program focused on the health benefits of single malt Scotch whisky.

CLINICAL FOCUS

- Cardiology
- Inherited cardiovascular disease
- Hypertrophic Cardiomyopathy
- Cardiomyopathy, Dilated
- Sports Cardiology
- Heart Failure
- Arrhythmogenic Right Ventricular Dysplasia
- Left ventricular non-compaction cardiomyopathy
- Genomic medicine
- Undiagnosed disease

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine
- Professor - University Medical Line, Genetics
- Professor - University Medical Line, Department of Biomedical Data Science
- Professor - University Medical Line (By courtesy), Pathology
- Member, Bio-X
- Member, Cardiovascular Institute
- Faculty Affiliate, Institute for Human-Centered Artificial Intelligence (HAI)
- Member, Wu Tsai Human Performance Alliance
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Chair, Department of Medicine, (2024- present)
- Founding Director, Stanford Center for Inherited Cardiovascular Disease, (2010- present)
- Co-Director, Stanford Center for Digital Health, (2017- present)
- Executive Committee, Wu Tsai Human Performance Alliance, (2021- present)
- Executive Committee, Molecular Transducers of Physical Activity Consortium (MoTrPAC), (2018- present)

- Co-Director, Stanford Research Training Program in Myocardial Biology (T32), (2010- present)
- Medical Director, Clinical Genomics Program, (2013-2020)
- Director, Stanford Cardiopulmonary Exercise Testing Laboratory, (2007-2024)
- Co-Director, Stanford Data Science Initiative, (2016-2021)
- Co-chair, NIH Undiagnosed Diseases Network, (2014-2017)
- Co-chair, Cardiovascular Working Group, Clinical Genome Resource (Clingen), (2014-2016)
- Leadership committee, AHA Council on Functional Genomics and Translational Biology, (2009-2014)
- Member, Institute of Medicine Roundtable on Translating Genomic-based Research for Health, (2012-2015)

HONORS AND AWARDS

- Member, National Academy of Medicine (2025)
- Guggenheim Fellowship, John Simon Guggenheim Memorial Foundation (2023)
- Roger and Joelle Burnell Chair of Genomics and Precision Health, Stanford University (2021)
- Medal of Honor (Genomic and Precision Medicine), American Heart Association (2018)
- One Brave Idea, American Heart Association (2017)
- Fellow, Royal College of Physicians (London) (2017)
- Fellow, American Society of Clinical Investigation (2016)
- NIH Director's New Innovator Award, National Institutes of Health (2009)
- Faculty Scholar, Donald E. and Delia B. Baxter Foundation (2009)
- Fellow, American Heart Association (2009)
- Innovative Research Award, American Heart Association (2008)
- Career Development Award (K08), National Institutes of Health (2006)
- Western Affiliates Young Investigator Award, American Heart Association (2004)
- Cardiovascular Medicine Basic Science Award, Stanford University (2004)
- Young Investigator Award (Basic), Astra-Zeneca (2003)
- Young Investigator Prize in Cardiovascular Medicine, UK Medical Research Society (2002)
- Young Investigator Award, European Society of Cardiology (2002)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Founder, Swift Bio (2026 - present)
- Founder, Saturnus Bio (2025 - present)
- Non executive director, Dexcom (2025 - present)
- Founder, Svexa Inc (2019 - present)
- Non-executive director, AstraZeneca PLC (2020 - present)
- Founder and Advisor, Deepcell Inc (2018 - present)
- Advisor, Foresite Labs (2020 - present)
- Founder & Advisor, Personalis Inc (2013 - present)

PROFESSIONAL EDUCATION

- Board Certification: Cardiology, Royal College of Physicians-U.K. (1999)
- Residency: University of Oxford (1996) UK

- Internship: University of Glasgow (1997) Scotland
- Medical Education: University of Glasgow (1996) Scotland
- Fellowship: University of Oxford (2002) UK
- Fellowship: Stanford University Medical Center (2006) CA
- DPhil, University of Oxford , Molecular Cardiology (2002)
- MRCP (UK), Royal College of Physicians (UK) , Medicine (1999)
- MB ChB, University of Glasgow , Medicine (1996)
- BSc (Hons), University of Glasgow , Physiology (1993)

COMMUNITY AND INTERNATIONAL WORK

- Arbor Free Cardiology Clinic

PATENTS

- Ashley EA, Quertermous T, Grube E. "United States Patent 12,074,964 Developing biologically active agents that modulate activity of restenosis target gene, comprises combining candidate biologically active agent, and determining the effect of agent on restenosis associated molecular and cellular changes", The Board of Trustees of the Leland Stanford Junior University, Mar 7, 2008
- Ashley EA, Chen MM, Quertermous T. "United States Patent 11,985,460 Apelin and uses thereof", The Board of Trustees of the Leland Stanford Junior University, Nov 14, 2007
- Vailaya A, Kuchinsky A, King JY, Ferrara R, Quertermous T, Vairaya A, Ashley IA, Katermas T, Ashley EA. "United States Patent 10,641,492 Significant molecules identification method for biological network used in disease analysis, involves calculating connectivity score for molecule represented by identified node based on significance scores of each node", Agilent Technologies, Inc., Jul 26, 2007
- Deng D, Tsalenko A, Ben-Dor A, Yakhini ZH, Quertermous T, Ashley EA, Yang E, Tabibiazar R, Tsao P. "United States Patent 11,412,437 New composition comprising a targeting agent that is conjugated to a functional moiety and that selectively binds to a polypeptide encoded by a DEA gene, useful in treating or preventing atherosclerosis", Agilent Technologies, Inc., Apr 27, 2006
- Ben-Dor A, Bruhn L, Deng D, Tsalenko A, Ashley EA, Chen MC, Quertermous T, Yakhini Z, Chen MM, Deng DX. "United States Patent 7,947,280 New composition having a targeting agent selectively binding to a polypeptide encoded by an upregulated-in-recovery (UIR) or downregulated-in-recovery (DIR) gene, useful for diagnosing, preventing and/or treating heart failure", The Board of Trustees of the Leland Stanford Junior University, Jul 14, 2005

LINKS

- The Genome Odyssey: <http://genomebook.info>
- Ashley Lab website: <http://ashleylab.stanford.edu>
- Stanford Center for Inherited Cardiovascular Disease: <http://familyheart.stanford.edu>
- How I got from there to here, I think.: <https://ashleylab.stanford.edu/sites/default/files/euan-ashley-how-i-got-from-there-to-here-i-think.pdf>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The Ashley lab is focused on precision medicine. We develop methods for the interpretation of whole genome sequencing data to improve diagnosis of genetic disease and to personalize the practice of medicine. We love big data questions and systems approaches to biology especially analysis of network graphs. The wet bench is where we test causality of key genes and investigate the biology of network modules. It is also the focus of our translational efforts. Therapeutic development is a near term goal and several of our discoveries are the focus of patents or are being actively pursued by pharmaceutical and biotechnology partners.

CLINICAL TRIALS

- Clinical and Genetic Evaluation of Individuals With Undiagnosed Disorders Through the Undiagnosed Diseases Network, Recruiting
- DCM Precision Medicine Study sIRB, Not Recruiting

- Exercise Study Including Patients With Hypertrophic Cardiomyopathy, Not Recruiting
- MyHeart Counts Cardiovascular Health Study, Not Recruiting
- Open-Label Study of Perhexiline in Patients With Hypertrophic Cardiomyopathy and Moderate to Severe Heart Failure, Not Recruiting
- Rapid Turnaround, Home-based Saliva Testing for COVID-19, Not Recruiting
- MyHeart Counts: Stanford Mobile Cardiovascular Health Study 3.0, Not Specified

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Mehdi Baqri, Rahul Devathu

Postdoctoral Faculty Sponsor

Ruoyi Cai, Marina Gabriel, Joshua Gillard, Edward Guzman, Matthew Neu, Jack O'Sullivan

Doctoral Dissertation Co-Advisor (NonAC)

Vidal Arroyo, Ben Viggiano

Doctoral (Program)

Eduardo Lozano Garcia, Selina Pi

Postdoctoral Research Mentor

Narayan Schuetz

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Data Science (Masters Program)
- Biomedical Data Science (Phd Program)
- Cardiothoracic Surgery (Fellowship Program)
- Cardiovascular Medicine (Fellowship Program)
- Genetics (Phd Program)
- Human Genetics and Genetic Counseling (Masters Program)
- Medical Genetics (Fellowship Program)
- Medicine (Masters Program)
- Molecular and Genetic Medicine (Fellowship Program)
- Pediatric Cardiology (Fellowship Program)
- Sports Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Genome modelling and design across all domains of life with Evo 2.** *Nature*
Brix, G., Durrant, M. G., Ku, J., Naghipourfar, M., Poli, M., Sun, G., Brockman, G., Chang, D., Fanton, A., Gonzalez, G. A., King, S. H., Li, D. B., Merchant, et al
2026
- **Steering Protein Generative Models at Test-Time for Guided AAV2 Capsid Design.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Viggiano, B., Lu, W. S., Zhang, X., Mille-Fragoso, L. S., Gao, X. J., Ashley, E., Wong, W. H.

2026; 31: 438-451

- **A large language model for complex cardiology care.** *Nature medicine*
O'Sullivan, J. W., Palepu, A., Saab, K., Weng, W. H., Amponsah, D. K., Cheng, E., Cheng, Y., Chu, E., Desai, Y., Elezaby, A., Fazal, M., Hussain, T., Jain, et al
2026
- **GREGoR: accelerating genomics for rare diseases.** *Nature*
Dawood, M., Heavner, B., Wheeler, M. M., Ungar, R. A., LoTempio, J., Wiel, L., Berger, S., Bernstein, J. A., Chong, J. X., Délot, E. C., Eichler, E. E., Lupski, J. R., Shojaie, et al
2025; 647 (8089): 331-342
- **Titin-related familial dilated cardiomyopathy: factors associated with disease onset.** *European heart journal*
Johnson, R., Fletcher, R. A., Peters, S., Ohanian, M., Soka, M., Smolnikov, A., Abihider, K. E., Ackerman, M. J., Ader, F., Akhtar, M. M., Amin, A. S., Ashley, E. A., Atherton, et al
2025
- **Epistasis regulates genetic control of cardiac hypertrophy.** *Nature cardiovascular research*
Wang, Q., Tang, T. M., Youlton, M., Weldy, C. S., Kenney, A. M., Ronen, O., Hughes, J. W., Chin, E. T., Sutton, S. C., Agarwal, A., Li, X., Behr, M., Kumbier, et al
2025
- **Disease prediction with multi-omics and biomarkers empowers case-control genetic discoveries in the UK Biobank.** *Nature genetics*
Garg, M., Karpinski, M., Matelska, D., Middleton, L., Burren, O. S., Hu, F., Wheeler, E., Smith, K. R., Fabre, M. A., Mitchell, J., O'Neill, A., Ashley, E. A., Harper, et al
2024; 56 (9): 1821-1831
- **Temporal dynamics of the multi-omic response to endurance exercise training.** *Nature*
2024; 629 (8010): 174-183
- **Almanac - Retrieval-Augmented Language Models for Clinical Medicine.** *NEJM AI*
Zakka, C., Shad, R., Chaurasia, A., Dalal, A. R., Kim, J. L., Moor, M., Fong, R., Phillips, C., Alexander, K., Ashley, E., Boyd, J., Boyd, K., Hirsch, et al
2024; 1 (2)
- **Genetic architecture of cardiac dynamic flow volumes.** *Nature genetics*
Gomes, B., Singh, A., O'Sullivan, J. W., Schnurr, T. M., Goddard, P. C., Loong, S., Amar, D., Hughes, J. W., Kostur, M., Haddad, F., Salerno, M., Foo, R., Montgomery, et al
2023
- **Rare variant associations with plasma protein levels in the UK Biobank.** *Nature*
Dhindsa, R. S., Burren, O. S., Sun, B. B., Prins, B. P., Matelska, D., Wheeler, E., Mitchell, J., Oerton, E., Hristova, V. A., Smith, K. R., Carss, K., Wasilewski, S., Harper, et al
2023
- **Artificial Intelligence in Molecular Medicine.** *The New England journal of medicine*
Gomes, B., Ashley, E. A.
2023; 388 (26): 2456-2465
- **Accelerated identification of disease-causing variants with ultra-rapid nanopore genome sequencing.** *Nature biotechnology*
Goenka, S. D., Gorzynski, J. E., Shafin, K., Fisk, D. G., Pesout, T., Jensen, T. D., Monlong, J., Chang, P. C., Baid, G., Bernstein, J. A., Christle, J. W., Dalton, K. P., Garalde, et al
2022
- **Ultrarapid Nanopore Genome Sequencing in a Critical Care Setting.** *The New England journal of medicine*
Gorzynski, J. E., Goenka, S. D., Shafin, K., Jensen, T. D., Fisk, D. G., Grove, M. E., Spiteri, E., Pesout, T., Monlong, J., Baid, G., Bernstein, J. A., Ceresnak, S., Chang, et al
2022
- **The genetics of human performance.** *Nature reviews. Genetics*
Kim, D. S., Wheeler, M. T., Ashley, E. A.
2021

- **Mapping the human genetic architecture of COVID-19.** *Nature*
COVID-19 Host Genetics Initiative
2021
- **Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to Exercise.** *Cell*
Sanford, J. A., Nogiec, C. D., Lindholm, M. E., Adkins, J. N., Amar, D., Dasari, S., Drugan, J. K., Fernandez, F. M., Radom-Aizik, S., Schenk, S., Snyder, M. P., Tracy, R. P., Vanderboom, et al
2020; 181 (7): 1464–74
- **Video-based AI for beat-to-beat assessment of cardiac function** *NATURE*
Ouyang, D., He, B., Ghorbani, A., Yuan, N., Ebinger, J., Langlotz, C. P., Heidenreich, P. A., Harrington, R. A., Liang, D. H., Ashley, E. A., Zou, J. Y.
2020
- **Molecular Choreography of Acute Exercise.** *Cell*
Contrepolis, K. n., Wu, S. n., Moneghetti, K. J., Hornburg, D. n., Ahadi, S. n., Tsai, M. S., Metwally, A. A., Wei, E. n., Lee-McMullen, B. n., Quijada, J. V., Chen, S. n., Christle, J. W., Ellenberger, et al
2020; 181 (5): 1112–30.e16
- **Identification of rare-disease genes using blood transcriptome sequencing and large control cohorts.** *Nature medicine*
Frésard, L. n., Smail, C. n., Ferraro, N. M., Teran, N. A., Li, X. n., Smith, K. S., Bonner, D. n., Kernohan, K. D., Marwaha, S. n., Zappala, Z. n., Balliu, B. n., Davis, J. R., Liu, et al
2019
- **Pathologic gene network rewiring implicates PPP1R3A as a central regulator in pressure overload heart failure.** *Nature communications*
Cordero, P., Parikh, V. N., Chin, E. T., Erbilgin, A., Gloudemans, M. J., Shang, C., Huang, Y., Chang, A. C., Smith, K. S., Dewey, F., Zaleta, K., Morley, M., Brandimarto, et al
2019; 10 (1): 2760
- **Genotype and Lifetime Burden of Disease in Hypertrophic Cardiomyopathy: Insights From the Sarcomeric Human Cardiomyopathy Registry (SHaRe)** *CIRCULATION*
Ho, C. Y., Day, S. M., Ashley, E. A., Michels, M., Pereira, A. C., Jacoby, D., Cirino, A. L., Fox, J. C., Lakdawala, N. K., Ware, J. S., Caleshu, C. A., Helms, A. S., Colan, et al
2018; 138 (14): 1387–98
- **Artificial Intelligence in Cardiology** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Johnson, K. W., Soto, J., Glicksberg, B. S., Shameer, K., Miotto, R., Ali, M., Ashley, E., Dudley, J. T.
2018; 71 (23): 2668–79
- **Effect of Genetic Diagnosis on Patients with Previously Undiagnosed Disease.** *The New England journal of medicine*
Splinter, K. n., Adams, D. R., Bacino, C. A., Bellen, H. J., Bernstein, J. A., Cheatle-Jarvela, A. M., Eng, C. M., Esteves, C. n., Gahl, W. A., Hamid, R. n., Jacob, H. J., Kikani, B. n., Koeller, et al
2018
- **Accuracy in Wrist-Worn, Sensor-Based Measurements of Heart Rate and Energy Expenditure in a Diverse Cohort.** *Journal of personalized medicine*
Shcherbina, A., Mattsson, C. M., Waggott, D., Salisbury, H., Christle, J. W., Hastie, T., Wheeler, M. T., Ashley, E. A.
2017; 7 (2)
- **Effect of Moderate-Intensity Exercise Training on Peak Oxygen Consumption in Patients With Hypertrophic Cardiomyopathy A Randomized Clinical Trial** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Saberli, S., Wheeler, M., Bragg-Gresham, J., Hornsby, W., Agarwal, P. P., Attili, A., Concannon, M., Dries, A. M., Shmargad, Y., Salisbury, H., Kumar, S., Herrera, J., Myers, et al
2017; 317 (13): 1349-1357
- **The Changing Face of Informed Consent** *NEW ENGLAND JOURNAL OF MEDICINE*
Grady, C., Cummings, S. R., Rowbotham, M. C., McConnell, M. V., Ashley, E. A., Kang, G.
2017; 376 (9): 856-867
- **Feasibility of Obtaining Measures of Lifestyle From a Smartphone App: The MyHeart Counts Cardiovascular Health Study.** *JAMA cardiology*
McConnell, M. V., Shcherbina, A., Pavlovic, A., Homburger, J. R., Goldfeder, R. L., Waggott, D., Cho, M. K., Rosenberger, M. E., Haskell, W. L., Myers, J., Champagne, M. A., Mignot, E., Landray, et al

2017; 2 (1): 67-76

- **Long-read genome sequencing identifies causal structural variation in a Mendelian disease.** *Genetics in medicine : official journal of the American College of Medical Genetics*
Merker, J. D., Wenger, A. M., Sneddon, T. n., Grove, M. n., Zappala, Z. n., Fresard, L. n., Waggott, D. n., Utiramerur, S. n., Hou, Y. n., Smith, K. S., Montgomery, S. B., Wheeler, M. n., Buchan, et al
2017
- **Deep Learning Automates the Quantitative Analysis of Individual Cells in Live-Cell Imaging Experiments.** *PLoS computational biology*
Van Valen, D. A., Kudo, T., Lane, K. M., Macklin, D. N., Quach, N. T., DeFelice, M. M., Maayan, I., Tanouchi, Y., Ashley, E. A., Covert, M. W.
2016; 12 (11)
- **Early somatic mosaicism is a rare cause of long-QT syndrome** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Priest, J. R., Gawad, C., Kahlig, K. M., Yu, J. K., O'Hara, T., Boyle, P. M., Rajamani, S., Clark, M. J., Garcia, S. T., Ceresnak, S., Harris, J., Boyle, S., Dewey, et al
2016; 113 (41): 11555-11560
- **Towards precision medicine.** *Nature reviews. Genetics*
Ashley, E. A.
2016; 17 (9): 507-522
- **Multidimensional structure-function relationships in human beta-cardiac myosin from population-scale genetic variation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Homburger, J. R., Green, E. M., Caleshu, C., Sunitha, M. S., Taylor, R. E., Ruppel, K. M., Metpally, R. P., Colan, S. D., Michels, M., Day, S. M., Olivotto, I., Bustamante, C. D., Dewey, et al
2016; 113 (24): 6701-6706
- **The Undiagnosed Diseases Network of the National Institutes of Health A National Extension** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Gahl, W. A., Wise, A. L., Ashley, E. A.
2015; 314 (17): 1797-1798
- **The precision medicine initiative: a new national effort.** *JAMA*
Ashley, E. A.
2015; 313 (21): 2119-20
- **A long noncoding RNA protects the heart from pathological hypertrophy.** *Nature*
Han, P., Li, W., Lin, C., Yang, J., Shang, C., Nurnberg, S. T., Jin, K. K., Xu, W., Lin, C., Lin, C., Xiong, Y., Chien, H., Zhou, et al
2014; 514 (7520): 102-106
- **Molecular diagnosis of long QT syndrome at 10 days of life by rapid whole genome sequencing.** *Heart rhythm*
Priest, J. R., Ceresnak, S. R., Dewey, F. E., Malloy-Walton, L. E., Dunn, K., Grove, M. E., Perez, M. V., Maeda, K., Dubin, A. M., Ashley, E. A.
2014; 11 (10): 1707-1713
- **Guidelines for investigating causality of sequence variants in human disease** *NATURE*
MacArthur, D. G., Manolio, T. A., Dimmock, D. P., Rehm, H. L., Shendure, J., Abecasis, G. R., Adams, D. R., Altman, R. B., Antonarakis, S. E., Ashley, E. A., Barrett, J. C., Biesecker, L. G., Conrad, et al
2014; 508 (7497): 469-476
- **Clinical interpretation and implications of whole-genome sequencing.** *JAMA : the journal of the American Medical Association*
Dewey, F. E., Grove, M. E., Pan, C., Goldstein, B. A., Bernstein, J. A., Chaib, H., Merker, J. D., Goldfeder, R. L., Enns, G. M., David, S. P., Pakdaman, N., Ormond, K. E., Caleshu, et al
2014; 311 (10): 1035-1045
- **APJ acts as a dual receptor in cardiac hypertrophy** *NATURE*
Scimia, M. C., Hurtado, C., Ray, S., Metzler, S., Wei, K., Wang, J., Woods, C. E., Purcell, N. H., Catalucci, D., Akasaka, T., Bueno, O. F., Vlasuk, G. P., Kaliman, et al
2012; 488 (7411): 394-398
- **Personal Omics Profiling Reveals Dynamic Molecular and Medical Phenotypes** *CELL*

- Chen, R., Mias, G. I., Li-Pook-Than, J., Jiang, L., Lam, H. Y., Chen, R., Miriami, E., Karczewski, K. J., Hariharan, M., Dewey, F. E., Cheng, Y., Clark, M. J., Im, et al
2012; 148 (6): 1293-1307
- **MOLECULAR AUTOPSY FOR SUDDEN CARDIAC DEATH USING WHOLE GENOME SEQUENCING** *60th Annual Scientific Session and Expo of the American-College-of-Cardiology (ACC) / I2 Summit / ACCF/Herman K. Gold Young Investigator's Award in Molecular and Cellular Cardiology*
Dewey, F. E., Wheeler, M. T., Cordero, S., Perez, M. V., Pavlovic, A., Pushkarev, D., Freeman, J. V., Quake, S. R., Ashley, E. A.
ELSEVIER SCIENCE INC.2011: E1159–E1159
 - **Clinical assessment incorporating a personal genome** *LANCET*
Ashley, E. A., Butte, A. J., Wheeler, M. T., Chen, R., Klein, T. E., Dewey, F. E., Dudley, J. T., Ormond, K. E., Pavlovic, A., Morgan, A. A., Pushkarev, D., Neff, N. F., Hudgins, et al
2010; 375 (9725): 1525-1535
 - **Publisher Correction: The impact of exercise on gene regulation in association with complex trait genetics.** *Nature communications*
Vetr, N. G., Gay, N. R., Montgomery, S. B.
2026; 17 (1)
 - **The Long Non-coding RNA Landscape of Endurance Exercise Training.** *Molecular metabolism*
Bonilauri, B., Smith, G. R., Raja, A. N., Jimenez-Morales, D., Ahmed, A., Jin, C., Sparks, L. M., Walsh, M. J., Montgomery, S. B., Bodine, S. C., Ashley, E. A., Lindholm, M. E.
2026: 102358
 - **The Natural History of Massive Left Ventricular Hypertrophy in Pediatric Hypertrophic Cardiomyopathy: A Multiregistry Analysis.** *Circulation*
Przybylski, R., Norrish, G., Claggett, B., Ashley, E. A., Bhole, V., Day, S. M., Delle Donne, G., Fernandez, A., Girolami, F., Gray, B., Helms, A. S., Ingles, J., Kubus, et al
2026
 - **A comparison of DCD Heart Transplantation in Europe and the United States: A multi-centre, retrospective study.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Louca, J. O., Öchsner, M., Shah, A., Schlendorf, K., Lima, B., Wang, C. C., Siddiqi, H., Irshad, A., Schroder, J., Casalinova, S., Milano, C., Khush, K. K., Skoda, et al
2026
 - **RBM20 Truncating Variants and Human Cardiomyopathy.** *JAMA cardiology*
Floyd, B. J., Njoroge, J. N., Krysov, V. A., Gomes, B., Murtha, R., Aribéana, C., Cannie, D., Smith, E., Paldino, A., Brown, E. E., Barth, A., Ilhan, E., Johnson, et al
2026
 - **COMPARISON OF NOVEL PHYSIOLOGY-BASED FRIEND EQUATIONS FOR VO2PEAK WITH CONVENTIONAL MEASURES FOR PREDICTING CLINICAL OUTCOMES**
Zhong, Y., Christle, J., Hernandez, S., Schuetz, N., Aresh, N., Ashley, E. A., Myers, J. N., Kim, D.
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