Stanford

Themistocles (Tim) Assimes

Associate Professor of Medicine (Cardiovascular Medicine) and, by courtesy, of Epidemiology and Population Health

Medicine - Cardiovascular Medicine

CONTACT INFORMATION

- **Administrative Contact**

  Dalia Gonzalez - Administrative Associate

  Email dalia.gonzalez@stanford.edu

  Tel (650) 725-4181

Bio

BIO

I am a board-certified clinical cardiologist with a doctorate degree in Epidemiology & Biostatistics. I have been practicing medicine for nearly 30 years and I have over 20 years of experience conducting research. I was born and raised in Montreal, Canada, where I received my medical degree from McGill University in 1994. I then pursued training in surgery for nearly two years before switching into internal medicine. I completed my residency in internal medicine as well as a Master's degree in Epidemiology and Biostatistics at McGill under the supervision of Dr. Samy Suissa before moving to Stanford University in 2001 to pursue fellowship training in adult cardiology. During my fellowship and Instructorship years at Stanford University, I completed a PhD in Epidemiology and Biostatistics in pharmacoepidemiology once again under Dr. Suissa's supervision.

My principal research focus since moving to Stanford has been the identification of the genomic determinants of coronary heart disease (CHD) and risk factors of CHD. This transition in my research focus occurred thanks to the sage advice and unique opportunities provided to me by Dr. Thomas Quertermous, former chief of the Division of Cardiovascular Medicine and my primary mentor for many years after my arrival to Stanford. Since that transition, I have devoted a majority of my time performing advanced population based studies on the genomic causes of heart attacks and the common conditions that predispose people to heart attacks including high cholesterol, smoking, diabetes, obesity, high blood pressure, and insulin resistance. These research efforts go beyond the standard genetic variant association analyses and include analyses, interpretation, and integration of multi-omic data, construction and validation of polygenic scores, as well as Mendelian randomization, epigenetic association, and gene set enrichment analyses to help identify novel pathways of CHD in diverse populations.

In this context, I have heavily contributed to and/or led several translational team science endeavors at both the national and international level by representing Stanford in large consortia meta analyzing genomic data. These consortia include CARDIoGRAMplusC4D, GLGC, GIANT, GENESIS, TAICHI, and PAGE. I have also been an active Women's Health Initiative (WHI) investigator since 2010 serving as chair/co-chair of the WHI Genetics, Proteomics, and Biomarkers Scientific Interest Group and a member of the WHI Ancillary Studies Committee, while concurrently launching several genomic studies that have generated blood methylation, circulating miRNA, telomere lengths, and bulk RNA-seq resources within WHI. Through WHI, I have also served as a senior/key co-Investigator in NHLBI’s Trans-Omics for Precision Medicine (TOPMed) program where I have led whole genome sequencing projects related to CHD.

Starting in 2016, I became intricately involved in the Million Veteran Program (MVP) and have since served as a senior/key co-Investigator and/or a PI in multiple funded projects focused on the genetics of cardiometabolic traits. I also serve, or have served, as a co-chair of the MVP P&P Committee, the MVP CVD/Lipids Working Group, and the MVP COVID-19 Science Program Genomics and PRS Working Group. As a consequence of my heavy involvement in MVP, I was dually appointed (full-time) at the VA Palo Alto Healthcare System in 2018. In partnership with Dr. Phil Tsao, overall/national co-PI of the MVP, I hold key administrative positions and coordinate the local genomics research program within the newly formed Precision Health Service at the Palo Alto VA. Concurrently, I teach general cardiology as well as echocardiography to medical students, residents, and cardiology fellows-in-training at the Palo Alto VA Hospital echocardiography lab.

ACADEMIC APPOINTMENTS

- Associate Professor, Medicine - Cardiovascular Medicine
- Associate Professor (By courtesy), Epidemiology and Population Health
- Member, Cardiovascular Institute
- Member, Wu Tsai Human Performance Alliance
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Clinical Lifelong Learning Committee, American Heart Association, (2020-2024)
- Director, Medical and Population Genomics for Precision Medicine, VA Palo Alto Health Care System, (2019- present)
- Program Committee, American Society of Human Genetics, (2019-2022)
- Associate Director, Palo Alto Epidemiology Research and Information Center for Genomics, Palo Alto VA Hospital, (2018- present)
- Steering Committee, Project Baseline, (2017- present)
- Leadership Committee, Council of Genomic and Precision Medicine, American Heart Association, (2016-2020)
- Membership and Communications Committee, Council of Epidemiology and Prevention, American Heart Organization, (2016-2020)
- Steering Commitee, CARDIoGRAMplusC4D (http://www.cardiogramplusc4d.org/), (2012- present)
- Co-chair, Women's Health Initiative Scientific Interest Group for Genetics, Proteomics & Biomarkers, (2010- present)
- Member, Ancillary Studies Committee, Women's Health Initiative, (2010- present)

HONORS AND AWARDS

- Elected member, American Society of Clinical Investigation (01/01/2020)
- Genomic and Precision Medicine and Epidemiology Mid-Career Research Award and Lecturer, American Heart Association (04/30/2019)
- 50+ Faces of Vanier College, Vanier College, Quebec, Canada (12/10/2018)
- Fellow of the American Heart Association (FAHA), council of Epidemiology and Prevention, American Heart Association (03/01/2016)
- Edwin L. Alderman award for excellence in Clinical Cardiovascular Research, Stanford University School of Medicine (2004, 2005)
- Fellow of the Royal College of Physicians of Canada, Royal College of Physicians and Surgeons of Canada (2000-2019)
- Chief Medical Resident, McGill University Medical Center - Royal Victoria Hospital (1999-2000)
- J.W. McConnell Scholarship, McGill Universtiy (1989-1994)

PROFESSIONAL EDUCATION

- MD, McGill University , Medicine (1994)
- Board Certified, American Board of Internal Medicine , Internal Medicine (not maintained beyond 2009) (1999)
- MS, McGill University , Epidemiology & Biostatistics (2001)
- Board Certified, American Board of Internal Medicine , Cardiovascular Medicine (2004)
- PhD, McGill University , Epidemiology & Biostatistics (2008)

- Testamur, National Board of Echocardiography , Adult Echocardiography (2022)

LINKS

- Linkedin: https://www.linkedin.com/in/tassimes/
- Twitter: https://twitter.com/tassimes
- Palo Alto ERIC for Genomics: https://www.vacsp.research.va.gov/CSP_Centers/Palo-Alto-ERIC-Genomics.asp
- My ABIM Board Certification: https://www.abim.org/verify-physician.aspx?type=id&id=188782
- My Google Scholar: https://scholar.google.com/citations?user=KnwE7qoAAAAJ&hl=en
- My PubMed Bibliography: https://www.ncbi.nlm.nih.gov/myncbi/themistocles.assimes.1/bibliography/public/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Our investigative focus is the design, conduct, analysis, and interpretation of human molecular epidemiology studies of complex cardiovascular disease (CVD) related traits. While we have focused on the study of coronary atherosclerosis, a condition that causes heart attacks, the number one cause of death worldwide, and risk factors for coronary atherosclerosis, we also examine many other traits related to cardiovascular disease. In addition to performing discovery and validation population genomic studies, we use contemporary genetic studies to gain important insight on the causal and mechanistic nature of associations between purported risk factors and adverse cardiovascular related health outcomes through instrumental variable analyses and genetic risk score association studies of intermediate phenotypes. Our group is also actively involved in studies assessing the clinical utility of novel genetic markers in isolation or in combination with other biomarkers. Lastly, we communicate the significance of genomic findings at the population level to molecular biologists who may lack a strong background in human genetics as well as human geneticists who lack a strong background in clinical medicine. Our group's broad translational knowledge base allows us to serve as a key collaborator in multidisciplinary investigative groups involved in the design and the interpretation of important functional experiments that will shed light on the biology behind these new genetic associations, as well as clinical trials the will help further delineate the utility of genomics in clinical practice.

If you are interested in working with us as a postdoctoral scholar, please check to see if we have any open positions at https://postdocs.stanford.edu/prospective/opportunities (search Assimes as last name). If you are interested in joining the team as a trainee in any other capacity, please do not hesitate to contact us as well.

CLINICAL TRIALS

- Personal Genomics for Preventive Cardiology, Not Recruiting

PROJECTS

- Genome-wide association study of coronary artery disease in individuals of African ancestry - Vanderbilt University Medical Center (9/17/2020 - 8/31/2021)
- Polygenic Risk Scores (PRS) for Diverse Populations - Bridging Research and Clinical Care - Fred Hutchison Cancer Research Center (8/1/2020 - 7/31/2024)
- New methods for constructing and evaluating polygenic scores - Stanford University School of Medicine (9/14/2020 - 6/30/2024)
- Whole-genome sequencing analysis of coronary atherosclerosis and related traits - University of Texas Health Science Center Houston, Houston, TX, United States (3/17/2020 - 2/28/2025)
- Genetics of Cardiometabolic Diseases in the VA Population - Veterans Health Administration (1/1/2017 - 9/30/2023)
- Efficient electronic phenotyping using APHRODITE in the Million Veteran Program - Palo Alto VA Health Care System (8/1/2019 - 7/31/2021)
- Using census data linkages to study long-term impacts on disparities in DNA methylation - Stanford University School of Medicine (9/14/2018 - 9/13/2020)
- Integrative multi-omics in whole genome studies of HLBS disorders - Stanford University School of Medicine (5/1/2018 - 4/30/2020)
- Proteomic Determinants of direct measures of insulin sensitivity - Stanford University School of Medicine (4/1/2018 - 3/31/2023)
- Whole Genome Sequence Analysis of Ischemic Stroke in the Women’s Health Initiative - Fred Hutchinson Cancer Research Center (4/5/2017 - 1/31/2021)
- The Baseline Study - Stanford University School of Medicine (6/1/2016 - present)

- Causal associations of circulating biomarkers with cardiovascular disease - Stanford University School of Medicine (2/1/2017 - 1/31/2020)
- The Epigenetics Leads To Age-Related Diseases (Gilga-Mesh) Network - University of California Los Angeles (10/1/2015 - 3/31/2018)
- Coronary Artery Disease Genetics in Large Sample of Taiwan Chinese - Harbor-UCLA Medical Center (10/1/2015 - 3/31/2018)
- Women's Health Initiative - Regional Centers 2015-2020 - Stanford University School of Medicine (10/15/2015 - 10/14/2020)
- A pilot RNA-seq study among Long Life Study participants of the WHI - Stanford University School of Medicine (3/1/2015 - 8/31/2015)
- Determinants of Insulin mediated glucose update in South Asians - Stanford University School of Medicine (4/1/2011 - 1/31/2015)
- Utility of the Aviir risk score in predicting incident coronary heart disease in the WHI - Stanford University School of Medicine (8/1/2011 - 7/31/2013)
- A randomized trial of personal genomics for preventive cardiology - Stanford Research Pilot Grant, Innovation Awards in Population Medicine (5/1/2011 - 4/30/2012)
- Integrative genomics and risk of CHD and related phenotypes in the Women's Health Initiative - Stanford University School of Medicine (3/29/2013 - 3/28/2016)
- Whole Genome Association for Early Coronary Artery Disease and Related Phenotypes - Stanford University School of Medicine / Kaiser Permanente DOR (10/1/2006 - 7/31/2010)

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Zahra Azizi, Ming Li Chen, Pik Fang Kho, Disha Sharma, Jiayan Zhou

Master's Program Advisor

Sally Jong

Postdoctoral Research Mentor

Joanna Lankester

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cardiovascular Medicine (Fellowship Program)
- Epidemiology (Masters Program)
- Genetics (Phd Program)
- Medicine (Masters Program)

Publications

PUBLICATIONS

- **Development and utility of a clinical research informatics application for participant recruitment and workflow management for a return of results pilot trial in familial hypercholesterolemia in the Million Veteran Program.** *JAMIA open*
  Brunette, C. A., Yi, T., Danowski, M. E., Cardellino, M., Harrison, A., Assimes, T. L., Knowles, J. W., Christensen, K. D., Sturm, A. C., Sun, Y. V., Hui, Q., Pyarajan, S., Shi, et al
  2024; 7 (1): ooae020

- **Multi-Ancestry Polygenic Risk Score for Coronary Heart Disease Based on an Ancestrally Diverse Genome-Wide Association Study and Population-Specific Optimization.** *Circulation. Genomic and precision medicine*
  Smith, J. L., Tcheandjieu, C., Dikilitas, O., Iyer, K., Miyazawa, K., Hilliard, A., Lynch, J., Rotter, J. I., Chen, Y. I., Sheu, W. H., Chang, K. M., Kanoni, S., Tsao, et al
  2024: e004272

- **A functional genomic framework to elucidate novel causal non-alcoholic fatty liver disease genes.** *medRxiv : the preprint server for health sciences*
  Saliba-Gustafsson, P., Justesen, J. M., Ranta, A., Sharma, D., Bielczyk-Maczynska, E., Li, J., Najmi, L. A., Apodaka, M., Aspichueta, P., Björck, H. M., Eriksson, P., Franco-Cereceda, A., Gloudemans, et al
  2024

- **Diet Quality and Epigenetic Aging in the Women's Health Initiative.** *Journal of the Academy of Nutrition and Dietetics*
  Reynolds, L. M., Houston, D. K., Skiba, M. B., Whitsel, E. A., Stewart, J. D., Li, Y., Zannas, A. S., Assimes, T. L., Horvath, S., Bhatti, P., Baccarelli, A. A., Tooze, J. A., Vitolins, et al
  2024

- **Cardiorespiratory Fitness and Risk of Heart Failure with Preserved Ejection Fraction.** *European journal of heart failure*
  Kokkinos, P., Faselis, C., Pittaras, A., Samuel, I. B., Lavie, C. J., Vargas, J. D., Lamonte, M., Franklin, B., Assimes, T. L., Murphy, R., Zhang, J., Sui, X., Myers, et al
  2023

- **Mendelian randomization analyses suggest a causal role for circulating GIP and IL-1RA levels in homeostatic model assessment-derived measures of #-cell function and insulin sensitivity in Africans without type 2 diabetes.** *Genome medicine*
  Meeks, K. A., Bentley, A. R., Assimes, T. L., Franceschini, N., Adeyemo, A. A., Rotimi, C. N., Doumatey, A. P.
  2023; 15 (1): 108

- **Whole-genome sequencing uncovers two loci for coronary artery calcification and identifies ARSE as a regulator of vascular calcification** *NATURE CARDIOVASCULAR RESEARCH*
  de Vries, P. S., Conomos, M. P., Singh, K., Nicholson, C. J., Jain, D., Hasbani, N. R., Jiang, W., Lee, S., Lino Cardenas, C. L., Lutz, S. M., Wong, D., Guo, X., Yao, et al
  2023; 2 (12): 1159-+

- **Plasma Protein Profiling of Incident Cardiovascular Diseases: A Multisample Evaluation.** *Circulation. Genomic and precision medicine*
  Lind, L., Titova, O., Zeng, R., Zanetti, D., Ingelsson, M., Gustafsson, S., Sundström, J., Ärnlöv, J., Elmståhl, S., Assimes, T., Michaëlsson, K.
  2023: e004233

- **C-X-C Motif Chemokine Ligand 12 is a Primary Determinant of Coronary Artery Dominance**
  Rios, P., Zanetti, D., Hilliard, A., Naftaly, J., Prabala, P., Kho, P., Chang, K., Plomondon, M. E., Waldo, S., Tsao, P. S., VA Million Veteran Program
  LIPPINCOTT WILLIAMS & WILKINS.2023

- **CXCL12 regulates coronary artery dominance in diverse populations and links development to disease.** *medRxiv : the preprint server for health sciences*
  Rios Coronado, P. E., Zanetti, D., Zhou, J., Naftaly, J. A., Prabala, P., Kho, P. F., Martínez Jaimes, A. M., Hilliard, A. T., Pyarajan, S., Dochtermann, D., Chang, K. M., Winn, V. D., Pa#ca, et al
  2023

- **CYP2C19 Polymorphisms and Clinical Outcomes Following Percutaneous Coronary Intervention (PCI) in the Million Veterans Program.** *medRxiv : the preprint server for health sciences*
  Chanfreau-Coffinier, C., Friede, K. A., Plomondon, M. E., Lee, K. M., Lu, Z., Lynch, J. A., DuVall, S. L., Vassy, J. L., Waldo, S. W., Cleator, J. H., Maddox, T. M., Rader, D. J., Assimes, et al
  2023

- **Multi-ancestry genome-wide study identifies effector genes and druggable pathways for coronary artery calcification.** *Nature genetics*
  Kavousi, M., Bos, M. M., Barnes, H. J., Cardenas, C. L., Wong, D., Lu, H., Hodonsky, C. J., Landsmeer, L. P., Turner, A. W., Kho, M., Hasbani, N. R., de Vries, P. S., Bowden, et al
  2023

- **Assessing efficiency of fine-mapping obesity-associated variants through leveraging ancestry architecture and functional annotation using PAGE and UKBB cohorts.** *Human genetics*
  Anwar, M. Y., Graff, M., Highland, H. M., Smit, R., Wang, Z., Buchanan, V. L., Young, K. L., Kenny, E. E., Fernandez-Rhodes, L., Liu, S., Assimes, T., Garcia, D. O., Daeeun, et al
  2023

- **Carriers of rare damaging CCR2 genetic variants are at lower risk of atherosclerotic disease.** *medRxiv : the preprint server for health sciences*
  Georgakis, M. K., Malik, R., Hasbani, N. R., Shakt, G., Morrison, A. C., Tsao, N. L., Judy, R., Mitchell, B. D., Xu, H., Montasser, M. E., Do, R., Kenny, E. E., Loos, et al
  2023

- **Proteomic analysis of 92 circulating proteins and their effects in cardiometabolic diseases.** *Clinical proteomics*
  Carland, C., Png, G., Malarstig, A., Kho, P. F., Gustafsson, S., Michaelsson, K., Lind, L., Tsafantakis, E., Karaleftheri, M., Dedoussis, G., Ramisch, A., Macdonald-Dunlop, E., Klaric, et al
  2023; 20 (1): 31

- **Genetic insights into resting heart rate and its role in cardiovascular disease.** *Nature communications*
  van de Vegte, Y. J., Eppinga, R. N., van der Ende, M. Y., Hagemeijer, Y. P., Mahendran, Y., Salfati, E., Smith, A. V., Tan, V. Y., Arking, D. E., Ntalla, I., Appel, E. V., Schurmann, C., Brody, et al
  2023; 14 (1): 4646

- **Systems Age: A single blood methylation test to quantify aging heterogeneity across 11 physiological systems.** *bioRxiv : the preprint server for biology*
  Sehgal, R., Meer, M., Shadyab, A. H., Casanova, R., Manson, J. E., Bhatti, P., Crimmins, E. M., Assimes, T. L., Whitsel, E. A., Higgins-Chen, A. T., Levine, M.
  2023

- **A multi-ancestry polygenic risk score improves risk prediction for coronary artery disease.** *Nature medicine*
  Patel, A. P., Wang, M., Ruan, Y., Koyama, S., Clarke, S. L., Yang, X., Tcheandjieu, C., Agrawal, S., Fahed, A. C., Ellinor, P. T., Genes & Health Research Team; the Million Veteran Program, Tsao, P. S., Sun, Y. V., et al
  2023

- **Contemporary Polygenic Scores of Low-Density Lipoprotein Cholesterol and Coronary Artery Disease Predict Coronary Atherosclerosis in Adolescents and Young Adults.** *Circulation. Genomic and precision medicine*
  Guarischi-Sousa, R., Salfati, E., Kho, P. F., Iyer, K. R., Hilliard, A. T., Herrington, D. M., Tsao, P. S., Clarke, S. L., Assimes, T. L.
  2023: e004047

- **Diversity and Scale: Genetic Architecture of 2,068 Traits in the VA Million Veteran Program.** *medRxiv : the preprint server for health sciences*
  Verma, A., Huffman, J. E., Rodriguez, A., Conery, M., Liu, M., Ho, Y. L., Kim, Y., Heise, D. A., Guare, L., Panickan, V. A., Garcon, H., Linares, F., Costa, et al
  2023

- **Plasma proteomic signatures of a direct measure of insulin sensitivity in two population cohorts.** *Diabetologia*
  Zanetti, D., Stell, L., Gustafsson, S., Abbasi, F., Tsao, P. S., Knowles, J. W., Zethelius, B., Ärnlöv, J., Balkau, B., Walker, M., Lazzeroni, L. C., Lind, L., Petrie, et al
  2023

- **A Multi-Ancestry Polygenic Risk Score for Coronary Heart Disease Based on an Ancestrally Diverse Genome-Wide Association Study and Population-Specific Optimization.** *medRxiv : the preprint server for health sciences*
  Smith, J. L., Tcheandjieu, C., Dikilitas, O., Lyer, K., Miyazawa, K., Hilliard, A., Lynch, J., Rotter, J. I., Chen, Y. I., Sheu, W. H., Chang, K. M., Kanoni, S., Tsao, et al
  2023

- **Mendelian randomization analyses clarify the effects of height on cardiovascular diseases.** *medRxiv : the preprint server for health sciences*
  Hui, D., Sanford, E., Lorenz, K., Damrauer, S. M., Assimes, T. L., Thom, C. S., Voight, B. F.
  2023

- **Cardiovascular Disease Risk Assessment Using Traditional Risk Factors and Polygenic Risk Scores in the Million Veteran Program.** *JAMA cardiology*
  Vassy, J. L., Posner, D. C., Ho, Y., Gagnon, D. R., Galloway, A., Tanukonda, V., Houghton, S. C., Madduri, R. K., McMahon, B. H., Tsao, P. S., Damrauer, S. M., O'Donnell, C. J., Assimes, et al
  2023

- **Genetics Of Physical Activity And Risk Of Cardiovascular Disease**
  Biagetti, G., Depaolo, J., Shakt, G., Angueria, A., Judy, R., Huffman, J. E., Tcheandjieu, C., Assimes, T. L., Klarin, D., Voight, B. F., Vujkovic, M., Tsao, P. S., Chang, et al
  LIPPINCOTT WILLIAMS & WILKINS.2023

- **Cardiovascular Disease and Mortality in Black Women Carrying the Amyloidogenic V122I Transthyretin Gene Variant.** *JACC. Heart failure*
  Haring, B., Hunt, R. P., Shadyab, A. H., Eaton, C., Kaplan, R., Martin, L. W., Panjrath, G., Kuller, L. H., Assimes, T., Kooperberg, C., Wassertheil-Smoller, S.
  2023

- **Evaluation of the Association Between Circulating IL-1# and Other Inflammatory Cytokines and Incident Atrial Fibrillation in a Cohort of Postmenopausal Women.** *American heart journal*
  Gomez, S. E., Parizo, J., Ermakov, S., Larson, J., Wallace, R., Assimes, T., Hlatky, M., Stefanick, M., Perez, M. V.
  2023

- **Epigenome-wide meta-analysis of BMI in nine cohorts: Examining the utility of epigenetically predicted BMI.** *American journal of human genetics*
  Do, W. L., Sun, D., Meeks, K., Dugué, P. A., Demerath, E., Guan, W., Li, S., Chen, W., Milne, R., Adeyemo, A., Agyemang, C., Nassir, R., Manson, et al
  2023

- **Whole genome sequence analysis of apparent treatment resistant hypertension status in participants from the Trans-Omics for Precision Medicine program.** *Frontiers in genetics*

  Armstrong, N. D., Srinivasasainagendra, V., Ammous, F., Assimes, T. L., Beitelshees, A. L., Brody, J., Cade, B. E., Ida Chen, Y., Chen, H., de Vries, P. S., Floyd, J. S., Franceschini, N., Guo, et al

  2023; 14: 1278215

- **Genomics and phenomics of body mass index reveals a complex disease network.** *Nature communications*

  Huang, J., Huffman, J. E., Huang, Y., Do Valle, Í., Assimes, T. L., Raghavan, S., Voight, B. F., Liu, C., Barabási, A. L., Huang, R. D., Hui, Q., Nguyen, X. T., Ho, et al

  2022; 13 (1): 7973

- **Implicating genes, pleiotropy, and sexual dimorphism at blood lipid loci through multi-ancestry meta-analysis.** *Genome biology*

  Kanoni, S., Graham, S. E., Wang, Y., Surakka, I., Ramdas, S., Zhu, X., Clarke, S. L., Bhatti, K. F., Vedantam, S., Winkler, T. W., Locke, A. E., Marouli, E., Zajac, et al

  2022; 23 (1): 268

- **Genetic evidence for causal relationships between age at natural menopause and the risk of ageing-associated adverse health outcomes.** *International journal of epidemiology*

  Lankester, J., Li, J., Salfati, E. L., Stefanick, M. L., Chan, K. H., Liu, S., Crandall, C. J., Clarke, S. L., Assimes, T. L.

  2022

- **Fibromuscular Dysplasia and Abdominal Aortic Aneurysms Are Dimorphic Sex-Specific Diseases With Shared Complex Genetic Architecture.** *Circulation. Genomic and precision medicine*

  Katz, A. E., Yang, M., Levin, M. G., Tcheandjieu, C., Mathis, M., Hunker, K., Blackburn, S., Eliason, J. L., Coleman, D. M., Fendrikova-Mahlay, N., Gornik, H. L., Karmakar, M., Hill, et al

  2022: e003496

- **A Large-Scale Genome-Wide Association Study of Angiographically Determined Burden of Coronary Atherosclerosis in a Genetically Diverse Population**

  Hilliard, A., Zanetti, D., Lynch, J., Damrauer, S. M., Ho, Y., Plomondon, M. E., Waldo, S., Chang, K., Tsao, P. S., Clarke, S. L., Assimes, T. L.

  LIPPINCOTT WILLIAMS & WILKINS.2022

- **A saturated map of common genetic variants associated with human height.** *Nature*

  Yengo, L., Vedantam, S., Marouli, E., Sidorenko, J., Bartell, E., Sakaue, S., Graff, M., Eliasen, A. U., Jiang, Y., Raghavan, S., Miao, J., Arias, J. D., Graham, et al

  2022

- **The Contribution of Rare Variants to the Heritability of Coronary Artery Disease Based on 38,544 Whole Genome Sequences from the NHLBI TOPMed Program**

  Rocheleau, G., Clarke, S. L., Hasbani, N. R., Peyser, P. A., Vasan, R. S., Rotter, J. I., Saleheen, D., Assimes, T. L., De Vries, P. S., Do, R., Natl Heart Lung Blood Inst NHLBI

  WILEY.2022: 527

- **A translational genomics approach identifies IL10RB as the top candidate gene target for COVID-19 susceptibility.** *NPJ genomic medicine*

  Voloudakis, G., Vicari, J. M., Venkatesh, S., Hoffman, G. E., Dobrindt, K., Zhang, W., Beckmann, N. D., Higgins, C. A., Argyriou, S., Jiang, S., Hoagland, D., Gao, L., Corvelo, et al

  2022; 7 (1): 52

- **Understanding the comorbidity between posttraumatic stress severity and coronary artery disease using genome-wide information and electronic health records.** *Molecular psychiatry*

  Polimanti, R., Wendt, F. R., Pathak, G. A., Tylee, D. S., Tcheandjieu, C., Hilliard, A. T., Levey, D. F., Adhikari, K., Gaziano, J. M., O'Donnell, C. J., Assimes, T. L., Stein, M. B., Gelernter, et al

  2022

- **Identification of genetic correlates of coronary artery disease in diverse ancestral populations** *NATURE MEDICINE*

  Tcheandjieu, C., Assimes, T. L.

  2022: 1548-1549

- **A multi-layer functional genomic analysis to understand noncoding genetic variation in lipids.** *American journal of human genetics*

  Ramdas, S., Judd, J., Graham, S. E., Kanoni, S., Wang, Y., Surakka, I., Wenz, B., Clarke, S. L., Chesi, A., Wells, A., Bhatti, K. F., Vedantam, S., Winkler, et al

  2022; 109 (8): 1366-1387

- **Large-scale genome-wide association study of coronary artery disease in genetically diverse populations.** *Nature medicine*

Tcheandjieu, C., Zhu, X., Hilliard, A. T., Clarke, S. L., Napolioni, V., Ma, S., Lee, K. M., Fang, H., Chen, F., Lu, Y., Tsao, N. L., Raghavan, S., Koyama, et al
2022

- **Race and Ethnicity Stratification for Polygenic Risk Score Analyses May Mask Disparities in Hispanics.** *Circulation*
  Clarke, S. L., Huang, R. D., Hilliard, A. T., Tcheandjieu, C., Lynch, J., Damrauer, S. M., Chang, K. M., Tsao, P. S., Assimes, T. L.
  2022; 146 (3): 265-267

- **Use of Polygenic Risk Scores for Coronary Heart Disease in Ancestrally Diverse Populations.** *Current cardiology reports*
  Dikilitas, O., Schaid, D. J., Tcheandjieu, C., Clarke, S. L., Assimes, T. L., Kullo, I. J.
  2022

- **Genetic interactions drive heterogeneity in causal variant effect sizes for gene expression and complex traits.** *American journal of human genetics*
  Patel, R. A., Musharoff, S. A., Spence, J. P., Pimentel, H., Tcheandjieu, C., Mostafavi, H., Sinnott-Armstrong, N., Clarke, S. L., Smith, C. J., V.A. Million Veteran Program,,, Durda, P. P., Taylor, K. D., et al
  2022

- **Insights From a Large-Scale Whole-Genome Sequencing Study of Systolic Blood Pressure, Diastolic Blood Pressure, and Hypertension.** *Hypertension (Dallas, Tex. : 1979)*
  Kelly, T. N., Sun, X., He, K. Y., Brown, M. R., Taliun, S. A., Hellwege, J. N., Irvin, M. R., Mi, X., Brody, J. A., Franceschini, N., Guo, X., Hwang, S., de Vries, et al
  2022: 101161HYPERTENSIONAHA12219324

- **A multiancestry genome-wide association study of unexplained chronic ALT elevation as a proxy for nonalcoholic fatty liver disease with histological and radiological validation.** *Nature genetics*
  Vujkovic, M., Ramdas, S., Lorenz, K. M., Guo, X., Darlay, R., Cordell, H. J., He, J., Gindin, Y., Chung, C., Myers, R. P., Schneider, C. V., Park, J., Lee, et al
  2022

- **A multi-population phenome-wide association study of genetically-predicted height in the Million Veteran Program.** *PLoS genetics*
  Raghavan, S., Huang, J., Tcheandjieu, C., Huffman, J. E., Litkowski, E., Liu, C., Ho, Y. A., Hunter-Zinck, H., Zhao, H., Marouli, E., North, K. E., VA Million Veteran Program, Lange, E., et al
  2022; 18 (6): e1010193

- **High heritability of ascending aortic diameter and trans-ancestry prediction of thoracic aortic disease.** *Nature genetics*
  Tcheandjieu, C., Xiao, K., Tejeda, H., Lynch, J. A., Ruotsalainen, S., Bellomo, T., Palnati, M., Judy, R., Klarin, D., Kember, R. L., Verma, S., Palotie, A., Daly, et al
  2022

- **Integration of rare expression outlier-associated variants improves polygenic risk prediction.** *American journal of human genetics*
  Smail, C., Ferraro, N. M., Hui, Q., Durrant, M. G., Aguirre, M., Tanigawa, Y., Keever-Keigher, M. R., Rao, A. S., Justesen, J. M., Li, X., Gloudemans, M. J., Assimes, T. L., Kooperberg, et al
  2022

- **Gaseous air pollutants and DNA methylation in a methylome-wide association study of an ethnically and environmentally diverse population of U.S. adults.** *Environmental research*
  Holliday, K. M., Gondalia, R., Baldassari, A., Justice, A. E., Stewart, J. D., Liao, D., Yanosky, J. D., Jordahl, K. M., Bhatti, P., Assimes, T. L., Pankow, J. S., Guan, W., Fornage, et al
  2022: 113360

- **Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of indeterminate potential.** *Science advances*
  Nakao, T., Bick, A. G., Taub, M. A., Zekavat, S. M., Uddin, M. M., Niroula, A., Carty, C. L., Lane, J., Honigberg, M. C., Weinstock, J. S., Pampana, A., Gibson, C. J., Griffin, et al
  2022; 8 (14): eabl6579

- **Genetic Landscape of the ACE2 Coronavirus Receptor.** *Circulation*
  Yang, Z., MacDonald-Dunlop, E., Chen, J., Zhai, R., Li, T., Richmond, A., Klaric, L., Pirastu, N., Ning, Z., Zheng, C., Wang, Y., Huang, T., He, et al
  2022

- **Whole Genome Sequence Analysis Of Apparent Treatment Resistant Hypertension Status In Participants From The Trans-omics For Precision Medicine Program**
  Armstrong, N. D., Irvin, M. M., Srinivasasainagendra, V., Smith, J. A., Kelly, T. N., Franceschini, N., Assimes, T. L., Beitelshees, A. L., Montasser, M., Guo, X., Chen, Y., Redline, S., Mathias, et al

LIPPINCOTT WILLIAMS & WILKINS.2022

- **Rare coding variants in RCN3 are associated with blood pressure.** *BMC genomics*
  He, K. Y., Kelly, T. N., Wang, H., Liang, J., Zhu, L., Cade, B. E., Assimes, T. L., Becker, L. C., Beitelshees, A. L., Bielak, L. F., Bress, A. P., Brody, J. A., Chang, et al
  2022; 23 (1): 148

- **Genome-wide and phenome-wide analysis of ideal cardiovascular health in the VA Million Veteran Program.** *PloS one*
  Huang, R. D., Nguyen, X. T., Peloso, G. M., Trinder, M., Posner, D. C., Aragam, K. G., Ho, Y., Lynch, J. A., Damrauer, S. M., Chang, K., Tsao, P. S., Natarajan, P., Assimes, et al
  2022; 17 (5): e0267900

- **Interactions of physical activity, muscular fitness, adiposity, and genetic risk for NAFLD.** *Hepatology communications*
  Schnurr, T. M., Katz, S. F., Justesen, J. M., O'Sullivan, J. W., Saliba-Gustafsson, P., Assimes, T. L., Carcamo-Orive, I., Ahmed, A., Ashley, E. A., Hansen, T., Knowles, J. W.
  2022

- **Broad clinical manifestations of polygenic risk for coronary artery disease in the Women's Health Initiative.** *Communications medicine*
  Clarke, S. L., Parham, M., Lankester, J., Shadyab, A. H., Liu, S., Kooperberg, C., Manson, J. E., Tcheandjieu, C., Assimes, T. L.
  2022; 2: 108

- **Coronary Artery Disease Risk of Familial Hypercholesterolemia Genetic Variants Independent of Clinically Observed Longitudinal Cholesterol Exposure.** *Circulation. Genomic and precision medicine*
  Clarke, S. L., Tcheandjieu, C., Hilliard, A. T., Lee, M., Lynch, J., Chang, K. M., Miller, D., Knowles, J. W., O'Donnell, C., Tsao, P., Rader, D. J., Wilson, P. W., Sun, et al
  2022: CIRCGEN121003501

- **ZEB2 Shapes the Epigenetic Landscape of Atherosclerosis.** *Circulation*
  Cheng, P., Wirka, R. C., Clarke, L. S., Zhao, Q., Kundu, R., Nguyen, T., Nair, S., Sharma, D., Kim, H. J., Shi, H., Assimes, T., Kim, J. B., Kundaje, et al
  2022

- **Associations between DNA methylation and BMI vary by metabolic health status: a potential link to disparate cardiovascular outcomes.** *Clinical epigenetics*
  Do, W. L., Nguyen, S., Yao, J., Guo, X., Whitsel, E. A., Demerath, E., Rotter, J. I., Rich, S. S., Lange, L., Ding, J., Van Den Berg, D., Liu, Y., Justice, et al
  1800; 13 (1): 230

- **The power of genetic diversity in genome-wide association studies of lipids.** *Nature*
  Graham, S. E., Clarke, S. L., Wu, K. H., Kanoni, S., Zajac, G. J., Ramdas, S., Surakka, I., Ntalla, I., Vedantam, S., Winkler, T. W., Locke, A. E., Marouli, E., Hwang, et al
  2021

- **Large-Scale Plasma Protein Profiling of Incident Myocardial Infarction, Ischemic Stroke, and Heart Failure.** *Journal of the American Heart Association*
  Lind, L., Zanetti, D., Ingelsson, M., Gustafsson, S., Arnlov, J., Assimes, T. L.
  2021: e023330

- **Prediction of Incident Atherosclerotic Cardiovascular Disease Using Traditional and Polygenic Risk Score Modeling: The Million Veteran Program Experience**
  Posner, D. C., Vassy, J. L., Pencina, M. J., Assimes, T. L., Galloway, A., Ho, Y., Gagnon, D. R., Casas, J. P., Damrauer, S. M., Gaziano, M., Cho, K., Wilson, P. W., Sun, et al
  LIPPINCOTT WILLIAMS & WILKINS.2021

- **Zeb2 Shapes the Epigenetic Landscape of Atherosclerosis and Modulates the Risk of Myocardial Infarction**
  Cheng, P., Wirka, R., Zhao, Q., Kim, J. B., Nguyen, T., Clarke, S. L., Kundu, R. K., Sharma, D., Kim, H., Shi, H., Assimes, T. L., Quertermous, T.
  LIPPINCOTT WILLIAMS & WILKINS.2021

- **Whole-Genome Sequencing Association Analyses of Stroke and Its Subtypes in Ancestrally Diverse Populations From Trans-Omics for Precision Medicine Project.** *Stroke*
  Hu, Y., Haessler, J. W., Manansala, R., Wiggins, K. L., Moscati, A., Beiser, A., Heard-Costa, N. L., Sarnowski, C., Raffield, L. M., Chung, J., Marini, S., Anderson, C. D., Rosand, et al
  2021: STROKEAHA120031792

- **A GENOME-WIDE ASSOCIATION STUDY OF CHRONIC ALT-BASED NAFLD IN THE MILLION VETERAN PROGRAM WITH HISTOLOGICAL AND RADIOLOGICAL VALIDATION**
  Vujkovic, M., Ramdas, S., Lorenz, K. M., Guo, X., Darlay, R., Cordell, H. J., He, J., Gindin, Y., Chung, C., Myers, R. P., Schneider, C., Park, J., Lee, et al
  WILEY.2021: 6A-7A

- **A Missense Variant in the IL-6 Receptor and Protection from Peripheral Artery Disease.** *Circulation research*
  Levin, M. G., Klarin, D., Georgakis, M. K., Lynch, J., Liao, K. P., Voight, B. F., O'Donnell, C. J., Chang, K., Assimes, T. L., Tsao, P. S., Damrauer, S. M.
  2021

- **Multi-trait Gwas Of Atherosclerosis Detects Novel Loci And Potential Therapeutic Targets**
  Bone, W. P., Bellomo, T., Chen, B. Y., Gawronski, K. A., Zhang, D., Park, J., Levin, M., Tsao, N., Klarin, D., Lynch, J., Assimes, T. L., Gaziano, M., Wilson, et al
  LIPPINCOTT WILLIAMS & WILKINS.2021

- **DXA Versus Clinical Measures of Adiposity as Predictors of Cardiometabolic Diseases and All-Cause Mortality in Postmenopausal Women.** *Mayo Clinic proceedings*
  Laddu, D. R., Qin, F., Hedlin, H., Stefanick, M. L., Manson, J. E., Zaslavsky, O., Eaton, C., Martin, L. W., Rohan, T., Assimes, T. L.
  2021

- **The Propagation of Racial Disparities in Cardiovascular Genomics Research.** *Circulation. Genomic and precision medicine*
  Clarke, S. L., Assimes, T. L., Tcheandjieu, C.
  2021: CIRCGEN121003178

- **Associations of Genetically Predicted Lipoprotein (a) Levels with Cardiovascular Traits in Individuals of European and African Ancestry.** *Circulation. Genomic and precision medicine*
  Satterfield, B. A., Dikilitas, O., Safarova, M. S., Clarke, S. L., Tcheandjieu, C., Zhu, X., Bastarache, L., Larson, E. B., Justice, A. E., Shang, N., Rosenthal, E. A., Shah, A., Namjou-Khales, et al
  2021

- **A multi-ethnic epigenome-wide association study of leukocyte DNA methylation and blood lipids.** *Nature communications*
  Jhun, M., Mendelson, M., Wilson, R., Gondalia, R., Joehanes, R., Salfati, E., Zhao, X., Braun, K. V., Do, A. N., Hedman, A. K., Zhang, T., Carnero-Montoro, E., Shen, et al
  2021; 12 (1): 3987

- **Association of the transthyretin variant V122I with polyneuropathy among individuals of African ancestry.** *Scientific reports*
  Parker, M. M., Damrauer, S. M., Tcheandjieu, C., Erbe, D., Aldinc, E., Hawkins, P. N., Gillmore, J. D., Hull, L. E., Lynch, J. A., Joseph, J., Ticau, S., Flynn-Carroll, A. O., Deaton, et al
  2021; 11 (1): 11645

- **Clonal hematopoiesis associated with epigenetic aging and clinical outcomes.** *Aging cell*
  Nachun, D., Lu, A. T., Bick, A. G., Natarajan, P., Weinstock, J., Szeto, M. D., Kathiresan, S., Abecasis, G., Taylor, K. D., Guo, X., Tracy, R., Durda, P., Liu, et al
  2021: e13366

- **BROAD CLINICAL MANIFESTATIONS OF POLYGENIC RISK FOR CORONARY ARTERY DISEASE IN THE WOMEN'S HEALTH INITIATIVE**
  Parham, M., Clarke, S., Tcheandjieu, C., Hilliard, A., Assimes, T.
  ELSEVIER SCIENCE INC.2021: 1511

- **Epigenetically mediated electrocardiographic manifestations of sub-chronic exposures to ambient particulate matter air pollution in the Women's Health Initiative and Atherosclerosis Risk in Communities Study.** *Environmental research*
  Gondalia, R., Baldassari, A., Holliday, K. M., Justice, A. E., Stewart, J. D., Liao, D., Yanosky, J. D., Engel, S. M., Sheps, D., Jordahl, K. M., Bhatti, P., Horvath, S., Assimes, et al
  2021: 111211

- **Association Between Genetic Variation in Blood Pressure and Increased Lifetime Risk of Peripheral Artery Disease.** *Arteriosclerosis, thrombosis, and vascular biology*
  Levin, M. G., Klarin, D., Walker, V. M., Gill, D., Lynch, J., Hellwege, J. N., Keaton, J. M., Lee, K. M., Assimes, T. L., Natarajan, P., Hung, A. M., Edwards, T., Rader, et al
  2021: ATVBAHA120315482

- **Mendelian randomisation identifies alternative splicing of the FAS death receptor as a mediator of severe COVID-19.** *medRxiv : the preprint server for health sciences*

Klaric, L., Gisby, J. S., Papadaki, A., Muckian, M. D., Macdonald-Dunlop, E., Zhao, J. H., Tokolyi, A., Persyn, E., Pairo-Castineira, E., Morris, A. P., Kalnapenkis, A., Richmond, A., Landini, et al

2021

- **Plasma Proteomics to Predict Insulin-mediated Glucose Disposal/Uptake**

  Zanetti, D., Gustafsson, S., Lazzeroni, L. C., Walker, M., Lind, L., Petrie, J., Assimes, T. L.

  W B SAUNDERS CO-ELSEVIER INC.2021: 41

- **Multi-trait association studies discover pleiotropic loci between Alzheimer's disease and cardiometabolic traits.** *Alzheimer's research & therapy*

  Bone, W. P., Siewert, K. M., Jha, A., Klarin, D., Damrauer, S. M., VA Million Veteran Program, Chang, K., Tsao, P. S., Assimes, T. L., Ritchie, M. D., Voight, B. F., Ballas, Z. K., Bhushan, S., et al

  2021; 13 (1): 34

- **Genetics of 35 blood and urine biomarkers in the UK Biobank.** *Nature genetics*

  Sinnott-Armstrong, N., Tanigawa, Y., Amar, D., Mars, N., Benner, C., Aguirre, M., Venkataraman, G. R., Wainberg, M., Ollila, H. M., Kiiskinen, T., Havulinna, A. S., Pirruccello, J. P., Qian, et al

  2021

- **Genetics of Smoking and Risk of Atherosclerotic Cardiovascular Diseases: A Mendelian Randomization Study.** *JAMA network open*

  Levin, M. G., Klarin, D., Assimes, T. L., Freiberg, M. S., Ingelsson, E., Lynch, J., Natarajan, P., O'Donnell, C., Rader, D. J., Tsao, P. S., Chang, K., Voight, B. F., Damrauer, et al

  2021; 4 (1): e2034461

- **Chromosome Xq23 is associated with lower atherogenic lipid concentrations and favorable cardiometabolic indices.** *Nature communications*

  Natarajan, P., Pampana, A., Graham, S. E., Ruotsalainen, S. E., Perry, J. A., de Vries, P. S., Broome, J. G., Pirruccello, J. P., Honigberg, M. C., Aragam, K., Wolford, B., Brody, J. A., Antonacci-Fulton, et al

  2021; 12 (1): 2182

- **Alcohol use and cardiometabolic risk in the UK Biobank: A Mendelian randomization study.** *PloS one*

  Lankester, J., Zanetti, D., Ingelsson, E., Assimes, T. L.

  2021; 16 (8): e0255801

- **Genetic Loci Associated With COVID-19 Positivity and Hospitalization in White, Black, and Hispanic Veterans of the VA Million Veteran Program.** *Frontiers in genetics*

  Peloso, G. M., Tcheandjieu, C., McGeary, J. E., Posner, D. C., Ho, Y., Zhou, J. J., Hilliard, A. T., Joseph, J., O'Donnell, C. J., Efird, J. T., Crawford, D. C., Wu, W., Arjomandi, et al

  2021; 12: 777076

- **Multi-Trait Genome-Wide Association Study of Atherosclerosis Detects Novel Pleiotropic Loci.** *Frontiers in genetics*

  Bellomo, T. R., Bone, W. P., Chen, B. Y., Gawronski, K. A., Zhang, D., Park, J., Levin, M., Tsao, N., Klarin, D., Lynch, J., Assimes, T. L., Gaziano, J. M., Wilson, et al

  2021; 12: 787545

- **Epigenome-wide association study of diet quality in the Women's Health Initiative and TwinsUK cohort.** *International journal of epidemiology*

  Do, W. L., Whitsel, E. A., Costeira, R., Masachs, O. M., Le Roy, C. I., Bell, J. T., RStaimez, L., Stein, A. D., Smith, A. K., Horvath, S., Assimes, T. L., Liu, S., Manson, et al

  2020

- **A genome-wide association study for a proxy nonalcoholic fatty liver phenotype identifies novel loci and trait-relevant candidate genes**

  Vujkovic, M., Ramdas, S., Gawronski, K., Lorenz, K., Serper, M., Kaplan, D. E., Carr, R., Lee, K. M., Pyarajan, S., Edwards, T., Klarin, D., Sun, Y. V., Miller, et al

  SPRINGERNATURE.2020: 59–60

- **CYP2C19 Polymorphisms and Clinical Outcomes Following Percutaneous Coronary Intervention (PCI) in the Million Veterans Program (MVP)**

  Chanfreau-Coffinier, C., Anglin-Foote, T., Lee, K., Lu, Z., Lynch, J., Plomondon, M. E., DuVall, S. L., Friede, K. A., Voora, D., Vassy, J. L., Waldo, S. W., Cleator, J. H., Maddox, et al

  LIPPINCOTT WILLIAMS & WILKINS.2020

- **LPA Variants Are Associated With Aortic Valve Stenosis, Heart Failure and Chronic Kidney Disease**

  Dikilitas, O., Satterfield, B. A., Safarova, M., Clarke, S. L., Tcheandjieu, C., Zhu, X., Bastarache, L., Larson, E. B., Justice, A. E., Shang, N., Rosenthal, E., Shah, A. S., Namjou-Khales, et al

LIPPINCOTT WILLIAMS & WILKINS.2020

- **Risk of Coronary Artery Disease Associated With Familial Hypercholesterolemia Genetic Variants is Independent of Historical Low-density Lipoprotein Cholesterol Exposure**
  Clarke, S. L., Tcheandjieu, C., Hilliard, A., Lee, K., Lynch, J., Chang, K., Miller, D., O'Donnell, C. J., Tsao, P. S., Rader, D. J., Wilson, P., Sun, Y. V., Gaziano, et al
  LIPPINCOTT WILLIAMS & WILKINS.2020

- **Genome-wide association analysis on breastfeeding duration**
  Colodro-Conde, L., Carland, C., Rajaei, S., Paternoster, L., Sanchez Romera, J. F., Ordonana, J. R., Lupton, M., Assimes, T. L., Martin, N. G., Medland, S. E.
  SPRINGER.2020: 448

- **The V122I Variant in Hereditary Transthyretin-Mediated Amyloidosis is Significantly Associated with Polyneuropathy**
  Parker, M. M., Damrauer, S. M., Tcheandjieu, C., Erbe, D., Aldinc, E., Hawkins, P. N., Gillmore, J., Hull, L. E., Lynch, J. A., Joseph, J., Ticau, S., Flynn-Carroll, A. O., Deaton, et al
  CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2020: S96

- **Chromosome 1q21.2 and additional loci influence risk of spontaneous coronary artery dissection and myocardial infarction.** *Nature communications*
  Saw, J., Yang, M., Trinder, M., Tcheandjieu, C., Xu, C., Starovoytov, A., Birt, I., Mathis, M. R., Hunker, K. L., Schmidt, E. M., Jackson, L., Fendrikova-Mahlay, N., Zawistowski, et al
  2020; 11 (1): 4432

- **Mendelian Randomization Analysis of Hemostatic Factors and Their Contribution to Peripheral Artery Disease.** *Arteriosclerosis, thrombosis, and vascular biology*
  Small, A. M., Huffman, J. E., Klarin, D., Sabater-Lleal, M., Lynch, J. A., Assimes, T. L., Sun, Y. V., Miller, D., Freiberg, M. S., Morrison, A. C., Rader, D. J., Wilson, P. W., Cho, et al
  2020: ATVBAHA119313847

- **Blood DNA methylation sites predict death risk in a longitudinal study of 12,300 individuals** *AGING-US*
  Colicino, E., Marioni, R., Ward-Caviness, C., Gondalia, R., Guan, W., Chen, B., Tsai, P., Huan, T., Xu, G., Golareh, A., Schwartz, J., Vokonas, P., Just, et al
  2020; 12 (14): 14092–124

- **Blood DNA methylation sites predict death risk in a longitudinal study of 12, 300 individuals.** *Aging*
  Colicino, E., Marioni, R., Ward-Caviness, C., Gondalia, R., Guan, W., Chen, B., Tsai, P., Huan, T., Xu, G., Golareh, A., Schwartz, J., Vokonas, P., Just, et al
  2020; 12

- **The Project Baseline Health Study: a step towards a broader mission to map human health** *NPJ DIGITAL MEDICINE*
  Arges, K., Assimes, T., Bajaj, V., Balu, S., Bashir, M. R., Beskow, L., Blanco, R., Califf, R., Campbell, P., Carin, L., Christian, V., Cousins, S., Das, et al
  2020; 3 (1): 84

- **The Project Baseline Health Study: a step towards a broader mission to map human health.** *NPJ digital medicine*
  Arges, K., Assimes, T., Bajaj, V., Balu, S., Bashir, M. R., Beskow, L., Blanco, R., Califf, R., Campbell, P., Carin, L., Christian, V., Cousins, S., Das, et al
  2020; 3 (1): 84

- **Horizontal and Vertical Pleiotropy Linking Coronary Artery Disease, Traumatic Experiences, and Post-traumatic Stress in > 650,000 Individuals**
  Polimanti, R., Wendt, F., Tcheandjieu, C., Hilliard, A., Levey, D., Cheng, Z., O'Donnell, C., Stein, M., Assimes, T., Gelernter, J.
  ELSEVIER SCIENCE INC.2020: S52–S53

- **Polygenic Risk Score Identifies Patients at Increased Risk for Abdominal Aortic Aneurysm and May Benefit From Ultrasound Screening**
  Klarin, D., Dikilitas, O., Wolford, B., Levin, M., Paranjpe, I., Judy, R., Lynch, J., Assimes, T. L., Sun, Y., Rader, D., Wilson, P. W., Scali, S., Berceli, et al
  LIPPINCOTT WILLIAMS & WILKINS.2020

- **Association Between Genetic Variation in Blood Pressure and Lifetime Risk of Peripheral Artery Disease: A Mendelian Randomization Study**
  Levin, M. G., Klarin, D., Walker, V., Lynch, J., Lee, K., Assimes, T. L., Natarajan, P., Hung, A. M., Edwards, T. L., Rader, D. J., Gaziano, J. M., Davies, N. M., Tsao, et al
  LIPPINCOTT WILLIAMS & WILKINS.2020

- **Identification of Novel Loci Involved in Both Peripheral and Coronary Artery Disease Using a Bivariate Genome-wide Association Scan**
  Bellomo, T. R., Bone, W. P., Klarin, D., Vujkovic, M., Assimes, T. L., Gaziano, M., O'Donnell, C. J., Chang, K., Tsao, P. S., Rader, D. J., Voight, B. F., Damrauer, S. M.
  LIPPINCOTT WILLIAMS & WILKINS.2020

- **Methylome-Wide Association Of DNA Methylation And Aircraft Noise Exposure In The Women's Health Initiative**
  Collins, J. M., Gondalia, R., Justice, A. E., Holliday, K., Stewart, J., Wong, E., Li, Y., Hayden, K., Jordahl, K., Assimes, T. L., Baccarelli, A., Peters, J., Whitsel, et al
  LIPPINCOTT WILLIAMS & WILKINS.2020

- **Urinary Albumin, Sodium, and Potassium and Cardiovascular Outcomes in the UK Biobank: Observational and Mendelian Randomization Analyses.** *Hypertension (Dallas, Tex. : 1979)*
  Zanetti, D., Bergman, H., Burgess, S., Assimes, T. L., Bhalla, V., Ingelsson, E.
  2020: HYPERTENSIONAHA11914028

- **Leukocyte Traits and Exposure to Ambient Particulate Matter Air Pollution in the Women's Health Initiative and Atherosclerosis Risk in Communities Study.** *Environmental health perspectives*
  Gondalia, R. n., Holliday, K. M., Baldassari, A. n., Justice, A. E., Stewart, J. D., Liao, D. n., Yanosky, J. D., Engel, S. M., Jordahl, K. M., Bhatti, P. n., Horvath, S. n., Assimes, T. L., Pankow, et al
  2020; 128 (1): 17004

- **Validating a non-invasive, ALT-based non-alcoholic fatty liver phenotype in the million veteran program.** *PloS one*
  Serper, M. n., Vujkovic, M. n., Kaplan, D. E., Carr, R. M., Lee, K. M., Shao, Q. n., Miller, D. R., Reaven, P. D., Phillips, L. S., O'Donnell, C. J., Meigs, J. B., Wilson, P. W., Vickers-Smith, et al
  2020; 15 (8): e0237430

- **Transcriptomic signatures across human tissues identify functional rare genetic variation.** *Science (New York, N.Y.)*
  Ferraro, N. M., Strober, B. J., Einson, J. n., Abell, N. S., Aguet, F. n., Barbeira, A. N., Brandt, M. n., Bucan, M. n., Castel, S. E., Davis, J. R., Greenwald, E. n., Hess, G. T., Hilliard, et al
  2020; 369 (6509)

- **The relationship between circulating lipids and breast cancer risk: A Mendelian randomization study.** *PLoS medicine*
  Johnson, K. E., Siewert, K. M., Klarin, D. n., Damrauer, S. M., Chang, K. M., Tsao, P. S., Assimes, T. L., Maxwell, K. N., Voight, B. F.
  2020; 17 (9): e1003302

- **Genetic determinants of increased body mass index mediate the effect of smoking on increased risk for type 2 diabetes risk but not coronary artery disease.** *Human molecular genetics*
  Thom, C. S., Ding, Z. n., Levin, M. G., Damrauer, S. M., Lee, K. M., Lynch, J. n., Chang, K. M., Tsao, P. S., Cho, K. n., Wilson, P. W., Assimes, T. L., Sun, Y. V., O'Donnell, et al
  2020

- **Comprehensive Investigation of Circulating Biomarkers and their Causal Role in Atherosclerosis-related Risk Factors and Clinical Events.** *Circulation. Genomic and precision medicine*
  Zanetti, D. n., Gustafsson, S. n., Assimes, T. L., Ingelsson, E. n.
  2020

- **PCSK9 loss of function is protective against extra-coronary atherosclerotic cardiovascular disease in a large multi-ethnic cohort.** *PloS one*
  Small, A. M., Huffman, J. E., Klarin, D. n., Lynch, J. A., Assimes, T. n., DuVall, S. n., Sun, Y. V., Shere, L. n., Natarajan, P. n., Gaziano, M. n., Rader, D. J., Wilson, P. W., Tsao, et al
  2020; 15 (11): e0239752

- **Genetic Architecture of Abdominal Aortic Aneurysm in the Million Veteran Program.** *Circulation*
  Klarin, D. n., Verma, S. S., Judy, R. n., Dikilitas, O. n., Wolford, B. N., Paranjpe, I. n., Levin, M. G., Pan, C. n., Tcheandjieu, C. n., Spin, J. M., Lynch, J. n., Assimes, T. L., Nyrønning, et al
  2020

- **Discovery of 318 new risk loci for type 2 diabetes and related vascular outcomes among 1.4 million participants in a multi-ancestry meta-analysis.** *Nature genetics*
  Vujkovic, M. n., Keaton, J. M., Lynch, J. A., Miller, D. R., Zhou, J. n., Tcheandjieu, C. n., Huffman, J. E., Assimes, T. L., Lorenz, K. n., Zhu, X. n., Hilliard, A. T., Judy, R. L., Huang, et al
  2020

- **Cross-trait analyses with migraine reveal widespread pleiotropy and suggest a vascular component to migraine headache.** *International journal of epidemiology*
  Siewert, K. M., Klarin, D. n., Damrauer, S. M., Chang, K. M., Tsao, P. S., Assimes, T. L., Davey-Smith, G. n., Voight, B. F.
  2020

- **Genotyping Array Design and Data Quality Control in the Million Veteran Program.** *American journal of human genetics*
  Hunter-Zinck, H. n., Shi, Y. n., Li, M. n., Gorman, B. R., Ji, S. G., Sun, N. n., Webster, T. n., Liem, A. n., Hsieh, P. n., Devineni, P. n., Karnam, P. n., Gong, X. n., Radhakrishnan, et al
  2020; 106 (4): 535–48

- **Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study.** *PLoS genetics*
  Hu, Y. n., Graff, M. n., Haessler, J. n., Buyske, S. n., Bien, S. A., Tao, R. n., Highland, H. M., Nishimura, K. K., Zubair, N. n., Lu, Y. n., Verbanck, M. n., Hilliard, A. T., Klarin, et al
  2020; 16 (3): e1008684

- **Cardioinformatics: the nexus of bioinformatics and precision cardiology.** *Briefings in bioinformatics*
  Khomtchouk, B. B., Tran, D., Vand, K. A., Might, M., Gozani, O., Assimes, T. L.
  2019

- **A Missense Variant in IL6R and Protection From Peripheral Artery Disease**
  Levin, M., Klarin, D., Lynch, J., Liao, K., Voight, B. F., O'Donnell, C. J., Chang, K., Assimes, T. L., Tsao, P. S., Damrauer, S. M., VA Million Vet Program
  LIPPINCOTT WILLIAMS & WILKINS.2019

- **Genomic and transcriptomic association studies identify 16 novel susceptibility loci for venous thromboembolism** *BLOOD*
  Lindstrom, S., Wang, L., Smith, E. N., Gordon, W., Vlieg, A., de Andrade, M., Brody, J. A., Pattee, J. W., Haessler, J., Brumpton, B. M., Chasman, D. I., Suchon, P., Chen, et al
  2019; 134 (19): 1645-1657

- **Genome-wide association analysis of venous thromboembolism identifies new risk loci and genetic overlap with arterial vascular disease.** *Nature genetics*
  Klarin, D., Busenkell, E., Judy, R., Lynch, J., Levin, M., Haessler, J., Aragam, K., Chaffin, M., Haas, M., Lindstrom, S., Assimes, T. L., Huang, J., Min Lee, et al
  2019

- **Association Between Heart Failure and Postoperative Mortality Among Patients Undergoing Ambulatory Noncardiac Surgery.** *JAMA surgery*
  Lerman, B. J., Popat, R. A., Assimes, T. L., Heidenreich, P. A., Wren, S. M.
  2019

- **Genome-wide association study of peripheral artery disease in the Million Veteran Program.** *Nature medicine*
  Klarin, D., Lynch, J., Aragam, K., Chaffin, M., Assimes, T. L., Huang, J., Lee, K. M., Shao, Q., Huffman, J. E., Natarajan, P., Arya, S., Small, A., Sun, et al
  2019

- **Epigenome-wide Association Study of Diet Quality in the Women's Health Initiative (OR31-06-19).** *Current developments in nutrition*
  Leet, R. W., Whitsel, E., Staimez, L., Horvath, S., Assimes, T., Bhatti, P., Jordahl, K., Narayan, K. M., Conneely, K.
  2019; 3 (Suppl 1)

- **Genetic Analysis Implicates LDL Cholesterol Reduction and Plasminogen Activator-inhibitor 1 Antagonism as Therapeutic Interventions for Venous Thromboembolism**
  Klarin, D., Busenkell, E., Judy, R., Lynch, J., Aragam, K., Chaffin, M., Haas, M., Assimes, T. L., Huang, J., Lee, K., Shao, Q., Huffman, J. E., Huang, et al
  LIPPINCOTT WILLIAMS & WILKINS.2019

- **HeartBioPortal.** *Circulation. Genomic and precision medicine*
  Khomtchouk, B. B., Vand, K. A., Koehler, W. C., Tran, D. T., Middlebrook, K., Sudhakaran, S., Nelson, C. S., Gozani, O., Assimes, T. L.
  2019; 12 (4): e002426

- **Identification of 22 novel loci associated withurinary biomarkers of albumin, sodium, andpotassium excretion.** *Kidney international*
  Zanetti, D., Rao, A., Gustafsson, S., Assimes, T. L., Montgomery, S. B., Ingelsson, E.
  2019

- **Association of Left Ventricular Ejection Fraction and Symptoms With Mortality After Elective Noncardiac Surgery Among Patients With Heart Failure.** *JAMA*
  Lerman, B. J., Popat, R. A., Assimes, T. L., Heidenreich, P. A., Wren, S. M.
  2019; 321 (6): 572-579

- **Leveraging linkage evidence to identify low-frequency and rare variants on 16p13 associated with blood pressure using TOPMed whole genome sequencing data.** *Human genetics*

He, K. Y., Li, X., Kelly, T. N., Liang, J., Cade, B. E., Assimes, T. L., Becker, L. C., Beitelshees, A. L., Bress, A. P., Chang, Y. C., Chen, Y. I., de Vries, P. S., Fox, et al

2019

- **DNA methylation GrimAge strongly predicts lifespan and healthspan.** *Aging*

  Lu, A. T., Quach, A. n., Wilson, J. G., Reiner, A. P., Aviv, A. n., Raj, K. n., Hou, L. n., Baccarelli, A. A., Li, Y. n., Stewart, J. D., Whitsel, E. A., Assimes, T. L., Ferrucci, et al

  2019; 11 (2): 303–27

- **Performance of Polygenic Risk Scores for Coronary Artery Disease in the Million Veteran Program**

  Tcheandjieu, C., Zhu, X., Ma, S., Hilliard, A., Clarke, S. L., Lynch, J. A., Damrauer, S. M., Khera, A. V., Kathiresan, S., Tsao, P. S., Gaziano, J., Wilson, P. W., O'Donnell, et al

  LIPPINCOTT WILLIAMS & WILKINS.2019

- **Predictors of High Intensity Statin Initiation for Primary Prevention in Veterans With Familial Hypercholesterolemia Phenotype**

  Qazi, S., Tarko, L. M., Ho, Y., Orkaby, A. R., Sun, Y. V., Assimes, T. L., Gagnon, D. R., Cho, K., Djousse, L., Gaziano, J., O'Donnell, C. J., Wilson, P. W.

  LIPPINCOTT WILLIAMS & WILKINS.2019

- **Harmonizing Genetic Ancestry and Self-identified Race/Ethnicity in Genome-wide Association Studies.** *American journal of human genetics*

  Fang, H. n., Hui, Q. n., Lynch, J. n., Honerlaw, J. n., Assimes, T. L., Huang, J. n., Vujkovic, M. n., Damrauer, S. M., Pyarajan, S. n., Gaziano, J. M., DuVall, S. L., O'Donnell, C. J., Cho, et al

  2019

- **Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease.** *Circulation*

  Agha, G. n., Mendelson, M. M., Ward-Caviness, C. K., Joehanes, R. n., Huan, T. n., Gondalia, R. n., Salfati, E. n., Brody, J. A., Fiorito, G. n., Bressler, J. n., Chen, B. H., Ligthart, S. n., Guarrera, et al

  2019; 140 (8): 645–57

- **DNA methylation-based estimator of telomere length.** *Aging*

  Lu, A. T., Seeboth, A. n., Tsai, P. C., Sun, D. n., Quach, A. n., Reiner, A. P., Kooperberg, C. n., Ferrucci, L. n., Hou, L. n., Baccarelli, A. A., Li, Y. n., Harris, S. E., Corley, et al

  2019

- **Association of APOL1 Risk Alleles with Cardiovascular Disease in African Americans in the Million Veteran Program.** *Circulation*

  Bick, A. G., Akwo, E. n., Robinson-Cohen, C. n., Lee, K. n., Lynch, J. n., Assimes, T. L., DuVall, S. n., Edwards, T. n., Fang, H. n., Freiberg, S. M., Giri, A. n., Huffman, J. E., Huang, et al

  2019

- **Methylome-wide association study provides evidence of particulate matter air pollution-associated DNA methylation.** *Environment international*

  Gondalia, R. n., Baldassari, A. n., Holliday, K. M., Justice, A. E., Méndez-Giráldez, R. n., Stewart, J. D., Liao, D. n., Yanosky, J. D., Brennan, K. J., Engel, S. M., Jordahl, K. M., Kennedy, E. n., Ward-Caviness, et al

  2019; 132: 104723

- **An integrative cross-omics analysis of DNA methylation sites of glucose and insulin homeostasis.** *Nature communications*

  Liu, J. n., Carnero-Montoro, E. n., van Dongen, J. n., Lent, S. n., Nedeljkovic, I. n., Ligthart, S. n., Tsai, P. C., Martin, T. C., Mandaviya, P. R., Jansen, R. n., Peters, M. J., Duijts, L. n., Jaddoe, et al

  2019; 10 (1): 2581

- **The role of epigenetic aging in education and racial/ethnic mortality disparities among older U.S. Women.** *Psychoneuroendocrinology*

  Liu, Z. n., Chen, B. H., Assimes, T. L., Ferrucci, L. n., Horvath, S. n., Levine, M. E.

  2019; 104: 18–24

- **Breastfeeding Duration and the Risk of Coronary Artery Disease.** *Journal of women's health (2002)*

  Rajaei, S., Rigdon, J., Crowe, S., Tremmel, J., Tsai, S., Assimes, T. L.

  2018

- **Effects of Genetic Variants Associated with Familial Hypercholesterolemia on Low-Density Lipoprotein-Cholesterol Levels and Cardiovascular Outcomes in the Million Veteran Program.** *Circulation. Genomic and precision medicine*

  Sun, Y. V., Damrauer, S. M., Hui, Q., Assimes, T. L., Ho, Y. L., Natarajan, P., Klarin, D., Huang, J., Lynch, J., DuVall, S. L., Pyarajan, S., Honerlaw, J. P., Gaziano, et al

  2018; 11 (12)

- **Genetics of blood lipids among ~300,000 multi-ethnic participants of the Million Veteran Program.** *Nature genetics*
  Klarin, D., Damrauer, S. M., Cho, K., Sun, Y. V., Teslovich, T. M., Honerlaw, J., Gagnon, D. R., DuVall, S. L., Li, J., Peloso, G. M., Chaffin, M., Small, A. M., Huang, et al
  2018

- **Genome-wide scan for circulating vascular adhesion protein-1 levels: MACROD2 as a potential transcriptional regulator of adipogenesis** *JOURNAL OF DIABETES INVESTIGATION*
  Chang, Y., Hee, S., Lee, W., Li, H., Chang, T., Lin, M., Hung, Y., Lee, I., Hung, K., Assimes, T., Knowles, J. W., Nong, J., Lee, et al
  2018; 9 (5): 1067–74

- **Discovery, fine-mapping, and conditional analyses of genetic variants associated with C-reactive protein in multiethnic populations using the Metabochip in the Population Architecture using Genomics and Epidemiology (PAGE) study** *HUMAN MOLECULAR GENETICS*
  Kocarnik, J. M., Richard, M., Graff, M., Haessler, J., Bien, S., Carlson, C., Carty, C. L., Reiner, A. P., Avery, C. L., Ballantyne, C. M., LaCroix, A. Z., Assimes, T. L., Barbalic, et al
  2018; 27 (16): 2940–53

- **Association of APOL1 Risk Alleles with Coronary Heart Disease in Million Veteran Program**
  Bick, A. G., Assimes, T. L., Giri, A., Klarin, D., Lynch, J., Robisson-Cohen, C., Huffman, J. E., Sun, Y. V., Chang, K., Miller, D. R., Cho, K., Edwards, T., O'Donnell, et al
  LIPPINCOTT WILLIAMS & WILKINS.2018

- **Genome Wide Association Study in the Million Veteran Program Identifies a Novel Role for Thrombosis in the Pathogenesis of Peripheral Artery Disease**
  Klarin, D., Lynch, J., Aragam, K., Assimes, T., Lee, K., Shao, Q., Chaffin, M., Natarajan, P., Arya, S., Small, A., Sun, Y. V., Saleheen, D., Lee, et al
  LIPPINCOTT WILLIAMS & WILKINS.2018

- **Methylome-wide Association Study Provides Evidence of Particulate Matter Air Pollution-associated Dna Methylation at Cardiovascular Disease-related Genes**
  Gondalia, R., Baldassari, A. R., Holliday, K. M., Mendez-Giraldez, R., Justice, A. E., Stewart, J. D., Liao, D., Yanosky, J. D., Jordhal, K. M., Bhatti, P., Horvath, S., Assimes, T. L., Pankow, et al
  LIPPINCOTT WILLIAMS & WILKINS.2018

- **A Multi-pollutant, Multi-ethnic, and Methylome-wide Association Study Highlights Epigenetic Effects of Exposure to Ambient Air Pollution Mixtures**
  Baldassari, A. R., Gondalia, R., Holliday, K. M., Mendez-Giraldez, R., Justice, A. E., Stewart, J. D., Yanosky, J. D., Liao, D., Tinker, L., Jordhal, K. M., Bhatti, P., Assimes, T. L., Horvath, et al
  LIPPINCOTT WILLIAMS & WILKINS.2018

- **Melanoma risk prediction using a multilocus genetic risk score in the Women's Health Initiative cohort.** *Journal of the American Academy of Dermatology*
  Cho, H. G., Ransohoff, K. J., Yang, L., Hedlin, H., Assimes, T., Han, J., Stefanick, M., Tang, J. Y., Sarin, K. Y.
  2018

- **Hypermetabolic macrophages in rheumatoid arthritis and coronary artery disease due to glycogen synthase kinase 3b inactivation.** *Annals of the rheumatic diseases*
  Zeisbrich, M., Yanes, R. E., Zhang, H., Watanabe, R., Li, Y., Brosig, L., Hong, J., Wallis, B. B., Giacomini, J. C., Assimes, T. L., Goronzy, J. J., Weyand, C. M.
  2018

- **GWAS of epigenetic aging rates in blood reveals a critical role for TERT** *NATURE COMMUNICATIONS*
  Lu, A. T., Xue, L., Salfati, E. L., Chen, B. H., Ferrucci, L., Levy, D., Joehanes, R., Murabito, J. M., Kiel, D. P., Tsai, P., Yet, I., Bell, J. T., Mangino, et al
  2018; 9: 387

- **An epigenetic biomarker of aging for lifespan and healthspan.** *Aging*
  Levine, M. E., Lu, A. T., Quach, A. n., Chen, B. H., Assimes, T. L., Bandinelli, S. n., Hou, L. n., Baccarelli, A. A., Stewart, J. D., Li, Y. n., Whitsel, E. A., Wilson, J. G., Reiner, et al
  2018; 10 (4): 573–91

- **Genome-Wide Association Studies of Coronary Artery Disease: Recent Progress and Challenges Ahead.** *Current atherosclerosis reports*
  Clarke, S. L., Assimes, T. L.
  2018; 20 (9): 47

- **Making the Most out of Mendel's Laws in Complex Coronary Artery Disease.** *Journal of the American College of Cardiology*
  Assimes, T. L., de Vries, P. S.
  2018; 72 (3): 311–13

- **Genetic Risk Scores in Premature Coronary Artery Disease: Still Only One Piece of the Prevention Puzzle.** *Circulation. Genomic and precision medicine*
  Assimes, T. L., Herrington, D. M.
  2018; 11 (1): e002006

- **Evaluation of 71 Coronary Artery Disease Risk Variants in a Multiethnic Cohort.** *Frontiers in cardiovascular medicine*
  Ke, W. n., Rand, K. A., Conti, D. V., Setiawan, V. W., Stram, D. O., Wilkens, L. n., Le Marchand, L. n., Assimes, T. L., Haiman, C. A.
  2018; 5: 19

- **DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation** *AMERICAN JOURNAL OF HUMAN GENETICS*
  Richard, M. A., Huan, T., Ligthart, S., Gondalia, R., Jhun, M. A., Brody, J. A., Irvin, M. R., Marioni, R., Shen, J., Tsai, P., Montasser, M. E., Jia, Y., Syme, et al
  2017; 101 (6): 888–902

- **Exome-wide association study of plasma lipids in > 300,000 individuals** *NATURE GENETICS*
  Liu, D. J., Peloso, G. M., Yu, H., Butterworth, A. S., Wang, X., Mahajan, A., Saleheen, D., Emdin, C., Alam, D., Alves, A., Amouyel, P., Di Angelantonio, E., Arveiler, et al
  2017; 49 (12): 1758-+

- **Genetic Variation in PCSK9 and Protection From Peripheral Artery Disease**
  Klarin, D., Small, A., Huang, J., Lynch, J., Arya, S., Assimes, T. L., Natarajan, P., Kathiresan, S., Rader, D. J., Concato, J., Gaziano, J. M., Sun, Y., Cho, et al
  LIPPINCOTT WILLIAMS & WILKINS.2017

- **A GWAS of EHR-Defined CAD Identifies Multiple Novel Loci Including the First 3 Loci on the X-Chromosome: The Million Veteran Program**
  Assimes, T. L., Damrauer, S. M., Li, J., Sun, Y., Lynch, J. A., Klarin, D., Duvall, S. L., Huang, J., Vassy, J. L., Lee, J. S., Freiberg, M. S., Voora, D., Kathiresan, et al
  LIPPINCOTT WILLIAMS & WILKINS.2017

- **Trans-ethnic Genome-wide Association Study of Peripheral Artery Disease in the VA Million Veteran Program**
  Damrauer, S. M., Klarin, D., Lynch, J. A., Assimes, T. L., Small, A. M., Li, J., Arya, S., Natarajan, P., Sun, Y. V., Saleheen, D., Gaziano, J. M., Concato, J., Cho, et al
  LIPPINCOTT WILLIAMS & WILKINS.2017

- **Genetic Variants Associated With Angiographic Burden of CAD in Europeans and African Americans: The Million Veteran Program**
  Li, J., Lynch, J. A., Damrauer, S. M., Plomondon, M. E., Song, R. J., Cho, K., Klarin, D., Huang, J., Vassy, J. L., Freiberg, M. S., Voora, D., Kathiresan, S., Lee, et al
  LIPPINCOTT WILLIAMS & WILKINS.2017

- **Phenome-Wide Association Study of Familial Hypercholesterolemia Variants Among Multi-Ethnic Veterans**
  Sun, Y. V., Damrauer, S. M., Hui, Q., Assimes, T. L., Ho, Y., Natarajan, P., Klarin, D., Huang, J., Lynch, J. A., DuVall, S. L., Honerlaw, J. P., Cho, K., Rader, et al
  LIPPINCOTT WILLIAMS & WILKINS.2017

- **Leveraging Multi-ethnic Evidence for Risk Assessment of Quantitative Traits in Minority Populations.** *American journal of human genetics*
  Coram, M. A., Fang, H., Candille, S. I., Assimes, T. L., Tang, H.
  2017; 101 (4): 638

- **Trans-ethnic fine-mapping of genetic loci for body mass index in the diverse ancestral populations of the Population Architecture using Genomics and Epidemiology (PAGE) Study reveals evidence for multiple signals at established loci** *HUMAN GENETICS*
  Fernandez-Rhodes, L., Gong, J., Haessler, J., Franceschini, N., Graff, M., Nishimura, K. K., Wang, Y., Highland, H. M., Yoneyama, S., Bush, W. S., Goodloe, R., Ritchie, M. D., Crawford, et al
  2017; 136 (6): 771-800

- **Fifteen new risk loci for coronary artery disease highlight arterial-wall-specific mechanisms.** *Nature genetics*
  Howson, J. M., Zhao, W., Barnes, D. R., Ho, W., Young, R., Paul, D. S., Waite, L. L., Freitag, D. F., Fauman, E. B., Salfati, E. L., Sun, B. B., Eicher, J. D., Johnson, et al
  2017

- **Association analyses of East Asian individuals and trans-ancestry analyses with European individuals reveal new loci associated with cholesterol and triglyceride levels** *HUMAN MOLECULAR GENETICS*
  Spracklen, C. N., Chen, P., Kim, Y. J., Wang, X., Cai, H., Li, S., Long, J., Wu, Y., Wang, Y. X., Takeuchi, F., Wu, J., Jung, K., Hu, et al
  2017; 26 (9): 1770-1784

- **Coffee consumption is associated with DNA methylation levels of human blood** *EUROPEAN JOURNAL OF HUMAN GENETICS*

Chuang, Y., Quach, A., Absher, D., Assimes, T., Horvath, S., Ritz, B.
2017; 25 (5): 608-616

- **Leveraging information from genetic risk scores of coronary atherosclerosis.** *Current opinion in lipidology*
  Assimes, T. L., Salfati, E. L., Del Gobbo, L. C.
  2017; 28 (2): 104-112

- **Genetic Risk, Incident Coronary Heart Disease Events, and the Benefits of a Healthy Lifestyle: Joint and Interacting Effects Across Four US Cohorts**
  Del Gobbo, L. C., Salfati, E., Li, J., Gardner, C. D., Ioannidis, J. P., Assimes, T. L.
  LIPPINCOTT WILLIAMS & WILKINS.2017

- **Epigenetic clock analysis of diet, exercise, education, and lifestyle factors.** *Aging*
  Quach, A., Levine, M. E., Tanaka, T., Lu, A. T., Chen, B. H., Ferrucci, L., Ritz, B., Bandinelli, S., Neuhouser, M. L., Beasley, J. M., Snetselaar, L., Wallace, R. B., Tsao, et al
  2017; 9 (2): 419-446

- **Coronary Artery Disease and Myocardial Infarction** *Genomic and Precision Medicine - Primary Care*
  Assimes, T. L.
  Academic Press.2017; 3rd: 127–163

- **Association analyses based on false discovery rate implicate new loci for coronary artery disease.** *Nature genetics*
  Nelson, C. P., Goel, A. n., Butterworth, A. S., Kanoni, S. n., Webb, T. R., Marouli, E. n., Zeng, L. n., Ntalla, I. n., Lai, F. Y., Hopewell, J. C., Giannakopoulou, O. n., Jiang, T. n., Hamby, et al
  2017; 49 (9): 1385–91

- **Identification of new susceptibility loci for type 2 diabetes and shared etiological pathways with coronary heart disease.** *Nature genetics*
  Zhao, W. n., Rasheed, A. n., Tikkanen, E. n., Lee, J. J., Butterworth, A. S., Howson, J. M., Assimes, T. L., Chowdhury, R. n., Orho-Melander, M. n., Damrauer, S. n., Small, A. n., Asma, S. n., Imamura, et al
  2017

- **Leveraging Multi-ethnic Evidence for Risk Assessment of Quantitative Traits in Minority Populations.** *American journal of human genetics*
  Coram, M. A., Fang, H. n., Candille, S. I., Assimes, T. L., Tang, H. n.
  2017; 101 (2): 218–26

- **Leukocyte telomere length, T cell composition and DNA methylation age.** *Aging*
  Chen, B. H., Carty, C. L., Kimura, M. n., Kark, J. D., Chen, W. n., Li, S. n., Zhang, T. n., Kooperberg, C. n., Levy, D. n., Assimes, T. n., Absher, D. n., Horvath, S. n., Reiner, et al
  2017

- **Impact of a Genetic Risk Score for Coronary Artery Disease on Reducing Cardiovascular Risk: A Pilot Randomized Controlled Study.** *Frontiers in cardiovascular medicine*
  Knowles, J. W., Zarafshar, S. n., Pavlovic, A. n., Goldstein, B. A., Tsai, S. n., Li, J. n., McConnell, M. V., Absher, D. n., Ashley, E. A., Kiernan, M. n., Ioannidis, J. P., Assimes, T. L.
  2017; 4: 53

- **Genetics: Implications for Prevention and Management of Coronary Artery Disease** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Assimes, T. L., Roberts, R.
  2016; 68 (25): 2797-2818

- **Fine-mapping of lipid regions in global populations discovers ethnic-specific signals and refines previously identified lipid loci** *HUMAN MOLECULAR GENETICS*
  Zubair, N., Graff, M., Ambite, J. L., Bush, W. S., Kichaev, G., Lu, Y., Manichaikul, A., Sheu, W. H., Absher, D., Assimes, T. L., Bielinski, S. J., Bottinger, E. P., Buzkova, et al
  2016; 25 (24): 5500-5512

- **DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases** *GENOME BIOLOGY*
  Ligthart, S., Marzi, C., Aslibekyan, S., Mendelson, M. M., Conneely, K. N., Tanaka, T., Colicino, E., Waite, L. L., Joehanes, R., Guan, W., Brody, J. A., Elks, C., Marioni, et al
  2016; 17

- **Associations between a Genetic Risk Score for Clinical CAD and Early Stage Lesions in the Coronary Artery and the Aorta** *PLOS ONE*

Salfati, E. L., Herrington, D. M., Assimes, T. L.
2016; 11 (11)

- **Unbiased Estimate of Heritability of CAD Before and After Adjustment for Traditional Risk Factors in Five NHLBI Cohorts**
  Salfati, E. L., Li, J., Del Gobbo, L., Assimes, T. L.
  LIPPINCOTT WILLIAMS & WILKINS.2016

- **Unbiased Estimate of Heritability of CAD Before and After Adjustment for Traditional Risk Factors in Five NHLBI Cohorts**
  Salfati, E. L., Li, J., Del Gobbo, L., Assimes, T. L.
  LIPPINCOTT WILLIAMS & WILKINS.2016

- **Genome-wide linkage analysis and regional fine mapping identified variants in the RYR3 gene as a novel quantitative trait locus for circulating adiponectin in Chinese population** *MEDICINE*
  Chang, Y., Chiu, Y., He, C., Sheu, W. H., Lin, M., Seto, T. B., Assimes, T., Jou, Y., Su, L., Lee, W., Lee, P., Tsai, S., Chuang, et al
  2016; 95 (44)

- **No Association of Coronary Artery Disease with X-Chromosomal Variants in Comprehensive International Meta-Analysis** *SCIENTIFIC REPORTS*
  Loley, C., Alver, M., Assimes, T. L., Bjonnes, A., Goel, A., Gustafsson, S., Hernesniemi, J., Hopewell, J. C., Kanoni, S., Kleber, M. E., Lau, K. W., Lu, Y., Lyytikainen, et al
  2016; 6

- **The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals.** *Nature genetics*
  Ehret, G. B., Ferreira, T., Chasman, D. I., Jackson, A. U., Schmidt, E. M., Johnson, T., Thorleifsson, G., Luan, J., Donnelly, L. A., Kanoni, S., Petersen, A., Pihur, V., Strawbridge, et al
  2016; 48 (10): 1171-1184

- **DNA methylation-based measures of biological age: meta-analysis predicting time to death.** *Aging*
  Chen, B. H., Marioni, R. E., Colicino, E., Peters, M. J., Ward-Caviness, C. K., Tsai, P., Roetker, N. S., Just, A. C., Demerath, E. W., Guan, W., Bressler, J., Fornage, M., Studenski, et al
  2016; 8 (9): 1844-1865

- **The associations of leptin, adiponectin and resistin with incident atrial fibrillation in women.** *Heart*
  Ermakov, S., Azarbal, F., Stefanick, M. L., LaMonte, M. J., Li, W., Tharp, K. M., Martin, L. W., Nassir, R., Salmoirago-Blotcher, E., Albert, C. M., Manson, J. E., Assimes, T. L., Hlatky, et al
  2016; 102 (17): 1354-1362

- **Menopause accelerates biological aging.** *Proceedings of the National Academy of Sciences of the United States of America*
  Levine, M. E., Lu, A. T., Chen, B. H., Hernandez, D. G., Singleton, A. B., Ferrucci, L., Bandinelli, S., Salfati, E., Manson, J. E., Quach, A., Kusters, C. D., Kuh, D., Wong, et al
  2016; 113 (33): 9327-9332

- **Epigenetic Aging and Immune Senescence in Women With Insomnia Symptoms: Findings From the Women's Health Initiative Study.** *Biological psychiatry*
  Carroll, J. E., Irwin, M. R., Levine, M., Seeman, T. E., Absher, D., Assimes, T., Horvath, S.
  2016

- **Lean body mass and risk of incident atrial fibrillation in post-menopausal women** *EUROPEAN HEART JOURNAL*
  Azarbal, F., Stefanick, M. L., Assimes, T. L., Manson, J. E., Bea, J. W., Li, W., Hlatky, M. A., Larson, J. C., LeBlanc, E. S., Albert, C. M., Nassir, R., Martin, L. W., Perez, et al
  2016; 37 (20): 1606-1613

- **The glycolytic enzyme PKM2 bridges metabolic and inflammatory dysfunction in coronary artery disease** *JOURNAL OF EXPERIMENTAL MEDICINE*
  Shirai, T., Nazarewicz, R. R., Wallis, B. B., Yanes, R. E., Watanabe, R., Hilhorst, M., Tian, L., Harrison, D. G., Giacomini, J. C., Assimes, T. L., Goronzy, J. J., Weyand, C. M.
  2016; 213 (3): 337-354

- **A Multi-ethnic Mendelian Randomization Study of Moderate Alcohol Use and the Risk of Atherosclerotic Cardiovascular Disease in the Women's Health Initiative**
  Li, J., Salfati, E., Patel, C., Eaton, C., Nassir, R., Stefanick, M., Reiner, A. P., Assimes, T. L.
  LIPPINCOTT WILLIAMS & WILKINS.2016

- **Gene by Environment Investigation of Incident Lung Cancer Risk in African-Americans.** *EBioMedicine*
  David, S. P., Wang, A., Kapphahn, K., Hedlin, H., Desai, M., Henderson, M., Yang, L., Walsh, K. M., Schwartz, A. G., Wiencke, J. K., Spitz, M. R., Wenzlaff, A. S., Wrensch, et al
  2016; 4: 153-161

- **Genetics of Coronary Artery Disease in Taiwan: A Cardiometabochip Study by the Taichi Consortium.** *PloS one*
  Assimes, T. L., Lee, I., Juang, J., Guo, X., Wang, T., Kim, E. T., Lee, W., Absher, D., Chiu, Y., Hsu, C., Chuang, L., Quertermous, T., Hsiung, et al
  2016; 11 (3)

- **Genetic cardiovascular risk prediction: are we already there?** *European heart journal*
  Assimes, T. L., Goldstein, B. A.
  2016; 37 (43): 3279–81

- **An epigenetic clock analysis of race/ethnicity, sex, and coronary heart disease.** *Genome biology*
  Horvath, S., Gurven, M., Levine, M. E., Trumble, B. C., Kaplan, H., Allayee, H., Ritz, B. R., Chen, B., Lu, A. T., Rickabaugh, T. M., Jamieson, B. D., Sun, D., Li, et al
  2016; 17 (1): 171-?

- **Integrative functional genomics identifies regulatory mechanisms at coronary artery disease loci.** *Nature communications*
  Miller, C. L., Pjanic, M., Wang, T., Nguyen, T., Cohain, A., Lee, J. D., Perisic, L., Hedin, U., Kundu, R. K., Majmudar, D., Kim, J. B., Wang, O., Betsholtz, et al
  2016; 7: 12092-?

- **Susceptibility Loci for Clinical Coronary Artery Disease and Subclinical Coronary Atherosclerosis Throughout the Life-Course.** *Circulation. Cardiovascular genetics*
  Salfati, E., Nandkeolyar, S., Fortmann, S. P., Sidney, S., Hlatky, M. A., Quertermous, T., Go, A. S., Iribarren, C., Herrington, D. M., Goldstein, B. A., Assimes, T. L.
  2015; 8 (6): 803-811

- **Association Between a Genetic Risk Score for Clinical CAD and Early Stage Lesions in the Coronary and Aorta Provides Insights Into the Pathophysiology of Atherosclerosis**
  Salfati, E. L., Herrington, D. M., Assimes, T. L.
  LIPPINCOTT WILLIAMS & WILKINS.2015

- **A comprehensive 1000 Genomes-based genome-wide association meta-analysis of coronary artery disease** *NATURE GENETICS*
  Nikpay, M., Goel, A., Won, H., Hall, L. M., Willenborg, C., Kanoni, S., Saleheen, D., Kyriakou, T., Nelson, C. P., Hopewell, J. C., Webb, T. R., Zeng, L., Dehghan, et al
  2015; 47 (10): 1121-?

- **The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study.** *PLoS genetics*
  Winkler, T. W., Justice, A. E., Graff, M., Barata, L., Feitosa, M. F., Chu, S., Czajkowski, J., Esko, T., Fall, T., Kilpeläinen, T. O., Lu, Y., Mägi, R., Mihailov, et al
  2015; 11 (10)

- **Leukocyte Telomere Length and Risks of Incident Coronary Heart Disease and Mortality in a Racially Diverse Population of Postmenopausal Women** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Carty, C. L., Kooperberg, C., Liu, J., Herndon, M., Assimes, T., Hou, L., Kroenke, C. H., LaCroix, A. Z., Kimura, M., Aviv, A., Reiner, A. P.
  2015; 35 (10): 2225-2231

- **DNA methylation age of blood predicts future onset of lung cancer in the women's health initiative.** *Aging*
  Levine, M. E., Hosgood, H. D., Chen, B., Absher, D., Assimes, T., Horvath, S.
  2015

- **Contemporary Considerations for Constructing a Genetic Risk Score: An Empirical Approach.** *Genetic epidemiology*
  Goldstein, B. A., Yang, L., Salfati, E., Assimes, T. L.
  2015; 39 (6): 439-445

- **Effect of Common Genetic Variants of Growth Arrest-Specific 6 Gene on Insulin Resistance, Obesity and Type 2 Diabetes in an Asian Population.** *PloS one*
  Hsieh, C. H., Chung, R. H., Lee, W. J., Lin, M. W., Chuang, L. M., Quertermous, T., Assimes, T., Hung, Y. J., Yu, Y. W.
  2015; 10 (8): e0135681

- **Genetic variants primarily associated with type 2 diabetes are related to coronary artery disease risk.** *Atherosclerosis*

Jansen, H., Loley, C., Lieb, W., Pencina, M. J., Nelson, C. P., Kathiresan, S., Peloso, G. M., Voight, B. F., Reilly, M. P., Assimes, T. L., Boerwinkle, E., Hengstenberg, C., Laaksonen, et al

2015; 241 (2): 419-426

- **Systems Genetics Analysis of Genome-Wide Association Study Reveals Novel Associations Between Key Biological Processes and Coronary Artery Disease** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*

  Ghosh, S., Vivar, J., Nelson, C. P., Willenborg, C., Segre, A. V., Maekinen, V., Nikpay, M., Erdmann, J., Blankenberg, S., O'Donnell, C., Maerz, W., Laaksonen, R., Stewart, et al

  2015; 35 (7): 1712-1722

- **MOLECULAR BASIS OF REGULATORY VARIATION AT CORONARY HEART DISEASE ASSOCIATED LOCI**

  Miller, C., Pjanic, M., Assimes, T. L., Montgomery, S. B., Greenleaf, W. J., Quertermous, T.

  ELSEVIER IRELAND LTD.2015: E17

- **Detecting clinically meaningful biomarkers with repeated measurements: An illustration with electronic health records** *BIOMETRICS*

  Goldstein, B. A., Assimes, T., Winkelmayer, W. C., Hastie, T.

  2015; 71 (2): 478-486

- **Genetic analysis for a shared biological basis between migraine and coronary artery disease.** *Neurology. Genetics*

  Winsvold, B. S., Nelson, C. P., Malik, R., Gormley, P., Anttila, V., Vander Heiden, J., Elliott, K. S., Jacobsen, L. M., Palta, P., Amin, N., de Vries, B., Hämäläinen, E., Freilinger, et al

  2015; 1 (1)

- **Characterization of TCF21 Downstream Target Regions Identifies a Transcriptional Network Linking Multiple Independent Coronary Artery Disease Loci.** *PLoS genetics*

  Sazonova, O., Zhao, Y., Nürnberg, S., Miller, C., Pjanic, M., Castano, V. G., Kim, J. B., Salfati, E. L., Kundaje, A. B., Bejerano, G., Assimes, T., Yang, X., Quertermous, et al

  2015; 11 (5)

- **Genetically Determined Height and Coronary Artery Disease** *NEW ENGLAND JOURNAL OF MEDICINE*

  Nelson, C. P., Hamby, S. E., Saleheen, D., Hopewell, J. C., Zeng, L., Assimes, T. L., Kanoni, S., WILLENBORG, C., Burgess, S., Amouyel, P., Anand, S., Blankenberg, S., Boehm, et al

  2015; 372 (17): 1608-1618

- **Dissecting the Roles of MicroRNAs in Coronary Heart Disease via Integrative Genomic Analyses** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*

  Huan, T., Rong, J., Tanriverdi, K., Meng, Q., Bhattacharya, A., McManus, D. D., Joehanes, R., Assimes, T. L., McPherson, R., Samani, N. J., Erdmann, J., Schunkert, H., Courchesne, et al

  2015; 35 (4): 1011-1021

- **Cardiometabolic effects of genetic upregulation of the interleukin 1 receptor antagonist: a Mendelian randomisation analysis** *LANCET DIABETES & ENDOCRINOLOGY*

  Freitag, D. F., Butterworth, A. S., Willeit, P., Howson, J. M., Burgess, S., Kaptoge, S., Young, R., Ho, W. K., Wood, A. M., Sweeting, M., Spackman, S., Staley, J. R., Ramond, et al

  2015; 3 (4): 243-253

- **Identification and validation of N-acetyltransferase 2 as an insulin sensitivity gene** *JOURNAL OF CLINICAL INVESTIGATION*

  Knowles, J. W., Xie, W., Zhang, Z., Chennemsetty, I., Assimes, T. L., Paananen, J., Hansson, O., Pankow, J., Goodarzi, M. O., Carcamo-Orive, I., Morris, A. P., Chen, Y. I., Maekinen, et al

  2015; 125 (4): 1739-1751

- **New genetic loci link adipose and insulin biology to body fat distribution.** *Nature*

  Shungin, D., Winkler, T. W., Croteau-Chonka, D. C., Ferreira, T., Locke, A. E., Mägi, R., Strawbridge, R. J., Pers, T. H., Fischer, K., Justice, A. E., Workalemahu, T., Wu, J. M., Buchkovich, et al

  2015; 518 (7538): 187-196

- **Genetic studies of body mass index yield new insights for obesity biology.** *Nature*

  Locke, A. E., Kahali, B., Berndt, S. I., Justice, A. E., Pers, T. H., Day, F. R., Powell, C., Vedantam, S., Buchkovich, M. L., Yang, J., Croteau-Chonka, D. C., Esko, T., Fall, et al

  2015; 518 (7538): 197-206

- **Exome sequencing identifies rare LDLR and APOA5 alleles conferring risk for myocardial infarction.** *Nature*

Do, R., Stitziel, N. O., Won, H., Jørgensen, A. B., Duga, S., Angelica Merlini, P., Kiezun, A., Farrall, M., Goel, A., Zuk, O., Guella, I., Asselta, R., Lange, et al
2015; 518 (7537): 102-106

- **Leveraging population admixture to characterize the heritability of complex traits.** *Nature genetics*
  Zaitlen, N., Pasaniuc, B., Sankararaman, S., Bhatia, G., Zhang, J., Gusev, A., Young, T., Tandon, A., Pollack, S., Vilhjálmsson, B. J., Assimes, T. L., Berndt, S. I., Blot, et al
  2014; 46 (12): 1356-1362

- **Inactivating mutations in NPC1L1 and protection from coronary heart disease.** *New England journal of medicine*
  Stitziel, N. O., Won, H., Morrison, A. C., Peloso, G. M., Do, R., Lange, L. A., Fontanillas, P., Gupta, N., Duga, S., Goel, A., Farrall, M., Saleheen, D., Ferrario, et al
  2014; 371 (22): 2072-2082

- **Susceptibility Loci for Clinical CAD Predispose to Subclinical Coronary Atherosclerosis Throughout the Life Course**
  Salfati, E., Nandkeolyar, S., Fortmann, S., Sidney, S., Hlakty, M. A., Quertermous, T., Go, A. S., Iribarren, C., Goldstein, B. A., Assimes, T. L.
  LIPPINCOTT WILLIAMS & WILKINS.2014

- **Genetic Variants Primarily Associated With Inflammatory Bowel Disease Do Not Associate With Coronary Artery Disease**
  Jansen, H., Lieb, W., Ferrario, P. G., Christopher, N. P., Kathiresan, S., Mudedach, R. P., Assimes, T. L., Boerwinkle, E., Hall, A. S., Hengstenberg, C., McPherson, R., Roberts, R., Samani, et al
  LIPPINCOTT WILLIAMS & WILKINS.2014

- **Defining the role of common variation in the genomic and biological architecture of adult human height** *NATURE GENETICS*
  Wood, A. R., Esko, T., Yang, J., Vedantam, S., Pers, T. H., Gustafsson, S., Chun, A. Y., Estrada, K., Luan, J., Kutalik, Z., Amin, N., Buchkovich, M. L., Croteau-Chonka, et al
  2014; 46 (11): 1173-1186

- **Meta-analysis of genome-wide association studies in East Asian-ancestry populations identifies four new loci for body mass index** *HUMAN MOLECULAR GENETICS*
  Wen, W., Zheng, W., Okada, Y., Takeuchi, F., Tabara, Y., Hwang, J., Dorajoo, R., Li, H., Tsai, F., Yang, X., He, J., Wu, Y., He, et al
  2014; 23 (20): 5492-5504

- **Study of exonic variation identifies incremental information regarding lipid-related and coronary heart disease genes.** *Circulation research*
  Assimes, T. L., Quertermous, T.
  2014; 115 (5): 478-480

- **Obesity, physical activity, and their interaction in incident atrial fibrillation in postmenopausal women.** *Journal of the American Heart Association*
  Azarbal, F., Stefanick, M. L., Salmoirago-Blotcher, E., Manson, J. E., Albert, C. M., LaMonte, M. J., Larson, J. C., Li, W., Martin, L. W., Nassir, R., Garcia, L., Assimes, T. L., Tharp, et al
  2014; 3 (4)

- **Loss-of-Function Mutations in APOC3, Triglycerides, and Coronary Disease** *NEW ENGLAND JOURNAL OF MEDICINE*
  Crosby, J., Peloso, G. M., Auer, P. L., Crosslin, D. R., Stitziel, N. O., Lange, L. A., Lu, Y., Tang, Z., Zhang, H., Hindy, G., Masca, N., Stirrups, K., Kanoni, et al
  2014; 371 (1): 22-31

- **Multiple nonglycemic genomic Loci are newly associated with blood level of glycated hemoglobin in East asians.** *Diabetes*
  Chen, P., Takeuchi, F., Lee, J., Li, H., Wu, J., Liang, J., Long, J., Tabara, Y., Goodarzi, M. O., Pereira, M. A., Kim, Y. J., Go, M. J., Stram, et al
  2014; 63 (7): 2551-2562

- **Integrative genomics reveals novel molecular pathways and gene networks for coronary artery disease.** *PLoS genetics*
  Mäkinen, V., Civelek, M., Meng, Q., Zhang, B., Zhu, J., Levian, C., Huan, T., Segrè, A. V., Ghosh, S., Vivar, J., Nikpay, M., Stewart, A. F., Nelson, et al
  2014; 10 (7)

- **Impact of type 2 diabetes susceptibility variants on quantitative glycemic traits reveals mechanistic heterogeneity.** *Diabetes*
  Dimas, A. S., Lagou, V., Barker, A., Knowles, J. W., Mägi, R., Hivert, M., Benazzo, A., Rybin, D., Jackson, A. U., Stringham, H. M., Song, C., Fischer-Rosinsky, A., Boesgaard, et al
  2014; 63 (6): 2158-2171

- **Dissecting the causal genetic mechanisms of coronary heart disease.** *Current atherosclerosis reports*
  Miller, C. L., Assimes, T. L., Montgomery, S. B., Quertermous, T.
  2014; 16 (5): 406-?

- **Coronary Heart Disease-Associated Variation in TCF21 Disrupts a MicroRNA-224 Binding Site and miRNA-Mediated Regulation**
  Miller, C. L., Haas, U., Diaz, R., Leeper, N. J., Kundu, R. K., Patlolla, B., Assimes, T. L., Kaiser, F. J., Perisic, L., Hedin, U., Maegdefessel, L., Schunkert, H., Erdmann, et al
  LIPPINCOTT WILLIAMS & WILKINS.2014

- **Quantifying rare, deleterious variation in 12 human cytochrome P450 drug-metabolism genes in a large-scale exome dataset.** *Human molecular genetics*
  Gordon, A. S., Tabor, H. K., Johnson, A. D., Snively, B. M., Assimes, T. L., Auer, P. L., Ioannidis, J. P., Peters, U., Robinson, J. G., Sucheston, L. E., Wang, D., Sotoodehnia, N., Rotter, et al
  2014; 23 (8): 1957-1963

- **Clinical interpretation and implications of whole-genome sequencing.** *JAMA*
  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

- **Coronary heart disease-associated variation in TCF21 disrupts a miR-224 binding site and miRNA-mediated regulation.** *PLoS genetics*
  Miller, C. L., Haas, U., Diaz, R., Leeper, N. J., Kundu, R. K., Patlolla, B., Assimes, T. L., Kaiser, F. J., Perisic, L., Hedin, U., Maegdefessel, L., Schunkert, H., Erdmann, et al
  2014; 10 (3)

- **Whole-Exome Sequencing Identifies Rare and Low-Frequency Coding Variants Associated with LDL Cholesterol.** *American journal of human genetics*
  Lange, L. A., Hu, Y., Zhang, H., Xue, C., Schmidt, E. M., Tang, Z., Bizon, C., Lange, E. M., Smith, J. D., Turner, E. H., Jun, G., Kang, H. M., Peloso, et al
  2014; 94 (2): 233-245

- **The combination of 9p21.3 genotype and biomarker profile improves a peripheral artery disease risk prediction model.** *Vascular medicine*
  Downing, K. P., Nead, K. T., Kojima, Y., Assimes, T., Maegdefessel, L., Quertermous, T., Cooke, J. P., Leeper, N. J.
  2014; 19 (1): 3-8

- **Near-Term Prediction of Sudden Cardiac Death in Older Hemodialysis Patients Using Electronic Health Records** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
  Goldstein, B. A., Chang, T. I., Mitani, A. A., Assimes, T. L., Winkelmayer, W. C.
  2014; 9 (1): 82-91

- **Shared Genetic Susceptibility to Ischemic Stroke and Coronary Artery Disease A Genome-Wide Analysis of Common Variants** *STROKE*
  Dichgans, M., Malik, R., Koenig, I. R., Rosand, J., Clarke, R., Gretarsdottir, S., Thorleifsson, G., Mitchell, B. D., Assimes, T. L., Levi, C., O'Donnell, C. J., Fornage, M., Thorsteinsdottir, et al
  2014; 45 (1): 24-36

- **Use of Medicare Data to Identify Coronary Heart Disease Outcomes in the Women's Health Initiative.** *Circulation. Cardiovascular quality and outcomes*
  Hlatky, M. A., Ray, R. M., Burwen, D. R., Margolis, K. L., Johnson, K. C., Kucharska-Newton, A., Manson, J. E., Robinson, J. G., Safford, M. M., Allison, M., Assimes, T. L., Bavry, A. A., Berger, et al
  2014; 7 (1): 157-162

- **Simple, standardized incorporation of genetic risk into non-genetic risk prediction tools for complex traits: coronary heart disease as an example.** *Frontiers in genetics*
  Goldstein, B. A., Knowles, J. W., Salfati, E., Ioannidis, J. P., Assimes, T. L.
  2014; 5: 254-?

- **Insulin resistance: regression and clustering.** *PloS one*
  Yoon, S., Assimes, T. L., Quertermous, T., Hsiao, C., Chuang, L., Hwu, C., Rajaratnam, B., Olshen, R. A.
  2014; 9 (6)

- **Genetics and Genomics for the Prevention and Treatment of Cardiovascular Disease: Update A Scientific Statement From the American Heart Association** *CIRCULATION*
  Ganesh, S. K., Arnett, D. K., Assimes, T. L., Basson, C. T., Chakravarti, A., Ellinor, P. T., Engler, M. B., Goldmuntz, E., Herrington, D. M., Hershberger, R. E., Hong, Y., Johnson, J. A., Kittner, et al
  2013; 128 (25): 2813-2851

- **Trans-ethnic fine mapping identifies a novel independent locus at the 3 ' end of CDKAL1 and novel variants of several susceptibility loci for type 2 diabetes in a Han Chinese population** *DIABETOLOGIA*
  Kuo, J. Z., Sheu, W. H., Assimes, T. L., Hung, Y., Absher, D., Chiu, Y., Mak, J., Wang, J., Kwon, S., Hsu, C., Goodarzi, M. O., Lee, I., Knowles, et al

2013; 56 (12): 2619-2628

- **Discovery and refinement of loci associated with lipid levels.** *Nature genetics*
  Willer, C. J., Schmidt, E. M., Sengupta, S., Peloso, G. M., Gustafsson, S., Kanoni, S., Ganna, A., Chen, J., Buchkovich, M. L., Mora, S., Beckmann, J. S., Bragg-Gresham, J. L., Chang, et al
  2013; 45 (11): 1274-1283

- **Imputation of coding variants in African Americans: better performance using data from the exome sequencing project** *BIOINFORMATICS*
  Duan, Q., Liu, E. Y., Auer, P. L., Zhang, G., Lange, E. M., Jun, G., Bizon, C., Jiao, S., Buyske, S., Franceschini, N., Carlson, C. S., Hsu, L., Reiner, et al
  2013; 29 (21): 2744-2749

- **Common variants associated with plasma triglycerides and risk for coronary artery disease.** *Nature genetics*
  Do, R., Willer, C. J., Schmidt, E. M., Sengupta, S., Gao, C., Peloso, G. M., Gustafsson, S., Kanoni, S., Ganna, A., Chen, J., Buchkovich, M. L., Mora, S., Beckmann, et al
  2013; 45 (11): 1345-1352

- **Mendelian randomization studies do not support a causal role for reduced circulating adiponectin levels in insulin resistance and type 2 diabetes.** *Diabetes*
  Yaghootkar, H., Lamina, C., Scott, R. A., Dastani, Z., Hivert, M., Warren, L. L., Stancáková, A., Buxbaum, S. G., Lyytikäinen, L., Henneman, P., Wu, Y., Cheung, C. Y., Pankow, et al
  2013; 62 (10): 3589-3598

- **The shared allelic architecture of adiponectin levels and coronary artery disease.** *Atherosclerosis*
  Dastani, Z., Johnson, T., Kronenberg, F., Nelson, C. P., Assimes, T. L., März, W., Richards, J. B.
  2013; 229 (1): 145-148

- **Disease-Related Growth Factor and Embryonic Signaling Pathways Modulate an Enhancer of TCF21 Expression at the 6q23.2 Coronary Heart Disease Locus** *PLOS GENETICS*
  Miller, C. L., Anderson, D. R., Kundu, R. K., Raiesdana, A., Nuernberg, S. T., Diaz, R., Cheng, K., Leeper, N. J., Chen, C., Chang, I., Schadt, E. E., Hsiung, C. A., Assimes, et al
  2013; 9 (7)

- **A systems biology framework identifies molecular underpinnings of coronary heart disease.** *Arteriosclerosis, thrombosis, and vascular biology*
  Huan, T., Zhang, B., Wang, Z., Joehanes, R., Zhu, J., Johnson, A. D., Ying, S., Munson, P. J., Raghavachari, N., Wang, R., Liu, P., Courchesne, P., Hwang, et al
  2013; 33 (6): 1427-1434

- **Sex-stratified genome-wide association studies including 270,000 individuals show sexual dimorphism in genetic loci for anthropometric traits.** *PLoS genetics*
  Randall, J. C., Winkler, T. W., Kutalik, Z., Berndt, S. I., Jackson, A. U., Monda, K. L., Kilpeläinen, T. O., Esko, T., Mägi, R., Li, S., Workalemahu, T., Feitosa, M. F., Croteau-Chonka, et al
  2013; 9 (6)

- **Genetic variants associated with glycine metabolism and their role in insulin sensitivity and type 2 diabetes.** *Diabetes*
  Xie, W., Wood, A. R., Lyssenko, V., Weedon, M. N., Knowles, J. W., Alkayyali, S., Assimes, T. L., Quertermous, T., Abbasi, F., Paananen, J., Häring, H., Hansen, T., Pedersen, et al
  2013; 62 (6): 2141-2150

- **Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders.** *Nature genetics*
  Den Hoed, M., Eijgelsheim, M., Esko, T., Brundel, B. J., Peal, D. S., Evans, D. M., Nolte, I. M., Segrè, A. V., Holm, H., Handsaker, R. E., Westra, H., Johnson, T., Isaacs, et al
  2013; 45 (6): 621-631

- **Genetic predisposition to higher blood pressure increases coronary artery disease risk.** *Hypertension*
  Lieb, W., Jansen, H., Loley, C., Pencina, M. J., Nelson, C. P., Newton-Cheh, C., Boerwinkle, E., Hall, A. S., Hengstenberg, C., Laaksonen, R., Thorsteinsdottir, U., Ziegler, A., Peters, et al
  2013; 61 (5): 995-1001

- **CHROMOSOME 9P21 LOCUS AND ANGIOGRAPHIC CORONARY ARTERY DISEASE BURDEN: A COLLABORATIVE META-ANALYSIS**
  Chan, K., Patel, R. S., Newcombe, P., Nelson, C. P., Qasim, A., Epstein, S. E., Burnett, S., Vaccarino, V. L., Zafari, A. M., Shah, S. H., Anderson, J. L., Carlquist, J. F., Hartiala, et al
  BMJ PUBLISHING GROUP.2013: A75

- **Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture.** *Nature genetics*
  Berndt, S. I., Gustafsson, S., Mägi, R., Ganna, A., Wheeler, E., Feitosa, M. F., Justice, A. E., Monda, K. L., Croteau-Chonka, D. C., Day, F. R., Esko, T., Fall, T., Ferreira, et al
  2013; 45 (5): 501-512

- **Measurement of insulin-mediated glucose uptake: direct comparison of the modified insulin suppression test and the euglycemic, hyperinsulinemic clamp.** *Metabolism*
  Knowles, J. W., Assimes, T. L., Tsao, P. S., Natali, A., Mari, A., Quertermous, T., Reaven, G. M., Abbasi, F.
  2013; 62 (4): 548-553

- **Association Between the Chromosome 9p21 Locus and Angiographic Coronary Artery Disease Burden A Collaborative Meta-Analysis** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Chan, K., Patel, R. S., Newcombe, P., Nelson, C. P., Qasim, A., Epstein, S. E., Burnett, S., Vaccarino, V. L., Zafari, A. M., Shah, S. H., Anderson, J. L., Carlquist, J. F., Hartiala, et al
  2013; 61 (9): 957-970

- **Large-scale association analysis identifies new risk loci for coronary artery disease.** *Nature genetics*
  Deloukas, P., Kanoni, S., Willenborg, C., Farrall, M., Assimes, T. L., Thompson, J. R., Ingelsson, E., Saleheen, D., Erdmann, J., Goldstein, B. A., Stirrups, K., König, I. R., Cazier, et al
  2013; 45 (1): 25-33

- **Disease-related growth factor and embryonic signaling pathways modulate an enhancer of TCF21 expression at the 6q23.2 coronary heart disease locus.** *PLoS genetics*
  Miller, C. L., Anderson, D. R., Kundu, R. K., Raiesdana, A., Nürnberg, S. T., Diaz, R., Cheng, K., Leeper, N. J., Chen, C., Chang, I., Schadt, E. E., Hsiung, C. A., Assimes, et al
  2013; 9 (7)

- **Long-Term Use of Angiotensin Receptor Blockers and the Risk of Cancer** *PLOS ONE*
  Azoulay, L., Assimes, T. L., Yin, H., Bartels, D. B., Schiffrin, E. L., Suissa, S.
  2012; 7 (12)

- **Mendelian Randomization Studies Do Not Support a Causal Effect of Plasma Lipids on Insulin Sensitivity**
  Fall, T., Xie, W., Hao, K., Arnlov, J., Abbasi, F., Schadt, E. E., Boran, G., Hansen, T., Greenawalt, D., Nolan, J. J., Pedersen, O., Haering, H., Ferrannini, et al
  LIPPINCOTT WILLIAMS & WILKINS.2012

- **FTO genotype is associated with phenotypic variability of body mass index** *NATURE*
  Yang, J., Loos, R. J., Powell, J. E., Medland, S. E., Speliotes, E. K., Chasman, D. I., Rose, L. M., Thorleifsson, G., Steinthorsdottir, V., Maegi, R., Waite, L., Smith, A. V., Yerges-Armstrong, et al
  2012; 490 (7419): 267-?

- **Randomized Trial of Personal Genomics for Preventive Cardiology Design and Challenges** *CIRCULATION-CARDIOVASCULAR GENETICS*
  Knowles, J. W., Assimes, T. L., Kiernan, M., Pavlovic, A., Goldstein, B. A., Yank, V., McConnell, M. V., Absher, D., Bustamante, C., Ashley, E. A., Ioannidis, J. P.
  2012; 5 (3): 368-376

- **Genetic Variants Associated With Diabetes Related Circulating Metabolite Levels and Their Role in Type 2 Diabetes and Insulin Sensitivity**
  Xie, W., Wood, A. R., Lyssenko, V., Weedon, M. N., Knowles, J. W., Assimes, T. L., Quertermous, T., Abbasi, F., Paananen, J., Haring, H., Hansen, T., Pedersen, O., Smith, et al
  AMER DIABETES ASSOC.2012: A397

- **Genetic determinants of the ankle-brachial index: A meta-analysis of a cardiovascular candidate gene 50K SNP panel in the candidate gene association resource (CARe) consortium** *ATHEROSCLEROSIS*
  Wassel, C. L., Lamina, C., Nambi, V., Coassin, S., Mukamal, K. J., Ganesh, S. K., Jacobs, D. R., Franceschini, N., Papanicolaou, G. J., Gibson, Q., Yanek, L. R., van der Harst, P., Ferguson, et al
  2012; 222 (1): 138-147

- **PREDICTING ACUTE SUDDEN CARDIAC DEATH** *49th Congress of the European-Renal-Association/European-Dialysis-and-Transplant-Association (ERA-EDTA)*
  Goldstein, B., Winkelmayer, W., Assimes, T.
  OXFORD UNIV PRESS.2012: 59–59

- **Central obesity is important but not essential component of the metabolic syndrome for predicting diabetes mellitus in a hypertensive family-based cohort. Results from the Stanford Asia-pacific program for hypertension and insulin resistance (SAPPHIRe) Taiwan follow-up study** *CARDIOVASCULAR DIABETOLOGY*

  Lee, I., Chiu, Y., Hwu, C., He, C., Chiang, F., Lin, Y., Assimes, T., Curb, J. D., Sheu, W. H.

  2012; 11

- **Evaluation of the Metabochip Genotyping Array in African Americans and Implications for Fine Mapping of GWAS-Identified Loci: The PAGE Study** *PLOS ONE*

  Buyske, S., Wu, Y., Carty, C. L., Cheng, I., Assimes, T. L., Dumitrescu, L., Hindorff, L. A., Mitchell, S., Ambite, J. L., Boerwinkle, E., Buzkova, P., Carlson, C. S., Cochran, et al

  2012; 7 (4)

- **Interleukin-6 receptor pathways in coronary heart disease: a collaborative meta-analysis of 82 studies** *LANCET*

  Sarwar, N., Butterworth, A. S., Freitag, D. F., Gregson, J., Willeit, P., Gorman, D. N., Gao, P., Saleheen, D., Rendon, A., Nelson, C. P., Braund, P. S., Hall, A. S., Chasman, et al

  2012; 379 (9822): 1205-1213

- **A LARGE-SCALE MULTI ETHNIC STUDY OF A DIRECT MEASURE OF INSULIN SENSITIVITY DEMONSTRATES THAT SOUTH ASIANS ARE THE MOST INSULIN RESISTANT ETHNIC GROUP IN THE US** *61st Annual Scientific Session and Expo of the American-College-of-Cardiology (ACC)/Conference on ACC-i2 with TCT*

  Divakaruni, M. S., Abbasi, F., Desai, M., Lamendola, C., Palaniappan, L., Reaven, G., Assimes, T.

  ELSEVIER SCIENCE INC.2012: E1792–E1792

- **Age-Related Somatic Structural Changes in the Nuclear Genome of Human Blood Cells** *AMERICAN JOURNAL OF HUMAN GENETICS*

  Forsberg, L. A., Rasi, C., Razzaghian, H. R., Pakalapati, G., Waite, L., Thilbeault, K. S., Ronowicz, A., Wineinger, N. E., Tiwari, H. K., Boomsma, D., Westerman, M. P., Harris, J. R., Lyle, et al

  2012; 90 (2): 217-228

- **Homocysteine and Coronary Heart Disease: Meta-analysis of MTHFR Case-Control Studies, Avoiding Publication Bias** *PLOS MEDICINE*

  Clarke, R., Bennett, D. A., Parish, S., Verhoef, P., Dotsch-Klerk, M., Lathrop, M., Xu, P., Nordestgaard, B. G., Holm, H., Hopewell, J. C., Saleheen, D., Tanaka, T., Anand, et al

  2012; 9 (2)

- **Association Between Chromosome 9p21 Variants and the Ankle-Brachial Index Identified by a Meta-Analysis of 21 Genome-Wide Association Studies** *CIRCULATION-CARDIOVASCULAR GENETICS*

  Murabito, J. M., White, C. C., Kavousi, M., Sun, Y. V., Feitosa, M. F., Nambi, V., Lamina, C., Schillert, A., Coassin, S., Bis, J. C., Broer, L., Crawford, D. C., Franceschini, et al

  2012; 5 (1): 100-112

- **Novel loci for adiponectin levels and their influence on type 2 diabetes and metabolic traits: a multi-ethnic meta-analysis of 45,891 individuals.** *PLoS genetics*

  Dastani, Z., Hivert, M., Timpson, N., Perry, J. R., Yuan, X., Scott, R. A., Henneman, P., Heid, I. M., Kizer, J. R., Lyytikäinen, L., Fuchsberger, C., Tanaka, T., Morris, et al

  2012; 8 (3)

- **Abdominal Aortic Aneurysm Is Associated with a Variant in Low-Density Lipoprotein Receptor-Related Protein 1** *AMERICAN JOURNAL OF HUMAN GENETICS*

  Bown, M. J., Jones, G. T., Harrison, S. C., Wright, B. J., Bumpstead, S., Baas, A. F., Gretarsdottir, S., Badger, S. A., Bradley, D. T., Burnand, K., Child, A. H., Clough, R. E., Cockerill, et al

  2011; 89 (5): 619-627

- **Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk** *NATURE*

  Ehret, G. B., Munroe, P. B., Rice, K. M., Bochud, M., Johnson, A. D., Chasman, D. I., Smith, A. V., Tobin, M. D., Verwoert, G. C., Hwang, S., Pihur, V., Vollenweider, P., O'Reilly, et al

  2011; 478 (7367): 103-109

- **Immortal Person Time Bias in Pharmacoepidemiological Studies of Antihypertensive Drugs** *AMERICAN JOURNAL OF CARDIOLOGY*

  Assimes, T. L., Suissa, S.

  2011; 108 (6): 902-903

- **Human metabolic individuality in biomedical and pharmaceutical research** *NATURE*

Suhre, K., Shin, S., Petersen, A., Mohney, R. P., Meredith, D., Waegele, B., Altmaier, E., Deloukas, P., Erdmann, J., Grundberg, E., Hammond, C. J., Hrabe de Angelis, M., Kastenmueller, et al

2011; 477 (7362): 54-U60

- **Large-Scale Gene-Centric Analysis Identifies Novel Variants for Coronary Artery Disease** *PLOS GENETICS*

  Butterworth, A. S., Braund, P. S., Farrall, M., Hardwick, R. J., Saleheen, D., Peden, J. F., Soranzo, N., Chambers, J. C., Sivapalaratnam, S., Kleber, M. E., Keating, B., Qasim, A., Klopp, et al

  2011; 7 (9)

- **Low lifetime recreational activity is a risk factor for peripheral arterial disease** *JOURNAL OF VASCULAR SURGERY*

  Wilson, A. M., Sadrzadeh-Rafie, A. H., Myers, J., Assimes, T., Nead, K. T., Higgins, M., Gabriel, A., Olin, J., Cooke, J. P.

  2011; 54 (2): 427-432

- **A Bivariate Genome-Wide Approach to Metabolic Syndrome STAMPEED Consortium** *DIABETES*

  Kraja, A. T., Vaidya, D., Pankow, J. S., Goodarzi, M. O., Assimes, T. L., Kullo, I. J., Sovio, U., Mathias, R. A., Sun, Y. V., Franceschini, N., Absher, D., Li, G., Zhang, et al

  2011; 60 (4): 1329-1339

- **Large-scale association analysis identifies 13 new susceptibility loci for coronary artery disease** *NATURE GENETICS*

  Schunkert, H., Koenig, I. R., Kathiresan, S., Reilly, M. P., Assimes, T. L., Holm, H., Preuss, M., Stewart, A. F., Barbalic, M., Gieger, C., Absher, D., Aherrahrou, Z., Allayee, et al

  2011; 43 (4): 333-U153

- **Genome-Wide Association Analysis Identifies Variants Associated with Nonalcoholic Fatty Liver Disease That Have Distinct Effects on Metabolic Traits** *PLOS GENETICS*

  Speliotes, E. K., Yerges-Armstrong, L. M., Wu, J., Hernaez, R., Kim, L. J., Palmer, C. D., Gudnason, V., Eiriksdottir, G., Garcia, M. E., Launer, L. J., Nalls, M. A., Clark, J. M., Mitchell, et al

  2011; 7 (3)

- **Family History of Heart Disease The Re-Emergence of a Traditional Risk Factor** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*

  Assimes, T. L.

  2011; 57 (5): 628-629

- **Identification of ADAMTS7 as a novel locus for coronary atherosclerosis and association of ABO with myocardial infarction in the presence of coronary atherosclerosis: two genome-wide association studies** *LANCET*

  Reilly, M. P., Li, M., He, J., Ferguson, J. F., Stylianou, I. M., Mehta, N. N., Burnett, M. S., Devaney, J. M., Knouff, C. W., Thompson, J. R., Horne, B. D., Stewart, A. F., Assimes, et al

  2011; 377 (9763): 383-392

- **Sex differences in the prevalence of peripheral artery disease in patients undergoing coronary catheterization** *VASCULAR MEDICINE*

  Rafie, A. H., Stefanick, M. L., Sims, S. T., Phan, T., Higgins, M., Gabriel, A., Assimes, T., Narasimhan, B., Nead, K. T., Myers, J., Olin, J., Cooke, J. P.

  2010; 15 (6): 443-450

- **Genetics of Coronary Atherosclerotic Plaque Rupture and Myocardial Infarction**

  Ferguson, J. F., Li, M., He, J., Qasim, A. N., Burnett, M. S., Devaney, J. M., DerOhannessian, S. L., Knouff, C. W., Thompson, J. R., Stewart, A. F., Assimes, T. L., Barnard, J., Wild, et al

  LIPPINCOTT WILLIAMS & WILKINS.2010

- **Lack of Association Between the Trp719Arg Polymorphism in Kinesin-Like Protein-6 and Coronary Artery Disease in 19 Case-Control Studies** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*

  Assimes, T. L., Holm, H., Kathiresan, S., Reilly, M. P., Thorleifsson, G., Voight, B. F., Erdmann, J., Willenborg, C., Vaidya, D., Xie, C., Patterson, C. C., Morgan, T. M., Burnett, et al

  2010; 56 (19): 1552-1563

- **Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution** *NATURE GENETICS*

  Heid, I. M., Jackson, A. U., Randall, J. C., Winkler, T. W., Qi, L., Steinthorsdottir, V., Thorleifsson, G., Zillikens, M. C., Speliotes, E. K., Maegi, R., Workalemahu, T., White, C. C., Bouatia-Naji, et al

  2010; 42 (11): 949-U160

- **Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index** *NATURE GENETICS*

Speliotes, E. K., Willer, C. J., Berndt, S. I., Monda, K. L., Thorleifsson, G., Jackson, A. U., Allen, H. L., Lindgren, C. M., Luan, J., Maegi, R., Randall, J. C., Vedantam, S., Winkler, et al

2010; 42 (11): 937-U53

- **Hundreds of variants clustered in genomic loci and biological pathways affect human height** *NATURE*

  Allen, H. L., Estrada, K., Lettre, G., Berndt, S. I., Weedon, M. N., Rivadeneira, F., Willer, C. J., Jackson, A. U., Vedantam, S., Raychaudhuri, S., Ferreira, T., Wood, A. R., Weyant, et al

  2010; 467 (7317): 832-838

- **Design of the Coronary ARtery DIsease Genome-Wide Replication And Meta-Analysis (CARDIoGRAM) Study A Genome-Wide Association Meta-analysis Involving More Than 22 000 Cases and 60 000 Controls** *CIRCULATION-CARDIOVASCULAR GENETICS*

  Preuss, M., Koenig, I. R., Thompson, J. R., Erdmann, J., Absher, D., Assimes, T. L., Blankenberg, S., Boerwinkle, E., Chen, L., Cupples, L. A., Hall, A. S., Halperin, E., Hengstenberg, et al

  2010; 3 (5): 475-U186

- **Call to Action: Cardiovascular Disease in Asian Americans A Science Advisory From the American Heart Association** *CIRCULATION*

  Palaniappan, L. P., Araneta, M. R., Assimes, T. L., Barrett-Connor, E. L., Carnethon, M. R., Criqui, M. H., Fung, G. L., Narayan, K. M., Patel, H., Taylor-Piliae, R. E., Wilson, P. W., Wong, N. D.

  2010; 122 (12): 1242-1252

- **Biological, clinical and population relevance of 95 loci for blood lipids** *NATURE*

  Teslovich, T. M., Musunuru, K., Smith, A. V., Edmondson, A. C., Stylianou, I. M., Koseki, M., Pirruccello, J. P., Ripatti, S., Chasman, D. I., Willer, C. J., Johansen, C. T., Fouchier, S. W., Isaacs, et al

  2010; 466 (7307): 707-713

- **An "Almost Exhaustive" Search-Based Sequential Permutation Method for Detecting Epistasis in Disease Association Studies** *GENETIC EPIDEMIOLOGY*

  Ma, L., Assimes, T. L., Asadi, N. B., Iribarren, C., Quertermous, T., Wong, W. H.

  2010; 34 (5): 434-443

- **Detailed Physiologic Characterization Reveals Diverse Mechanisms for Novel Genetic Loci Regulating Glucose and Insulin Metabolism in Humans** *59th Annual Meeting of the American-Society-of-Human-Genetics*

  Ingelsson, E., Langenberg, C., Hivert, M., Prokopenko, I., Lyssenko, V., Dupuis, J., Maegi, R., Sharp, S., Jackson, A. U., Assimes, T. L., Shrader, P., Knowles, J. W., Zethelius, et al

  AMER DIABETES ASSOC.2010: 1266–75

- **Genome-wide meta-analyses identify multiple loci associated with smoking behavior** *NATURE GENETICS*

  Furberg, H., Kim, Y., Dackor, J., Boerwinkle, E., Franceschini, N., Ardissino, D., Bernardinelli, L., Mannucci, P. M., Mauri, F., Merlini, P. A., Absher, D., Assimes, T. L., Fortmann, et al

  2010; 42 (5): 441-U134

- **Use of venlafaxine compared with other antidepressants and the risk of sudden cardiac death or near death: a nested case-control study** *BRITISH MEDICAL JOURNAL*

  Martinez, C., Assimes, T. L., Mines, D., Dell'Aniello, S., Suissa, S.

  2010; 340

- **Age at incident treatment of hypertension and risk of cancer: a population study** *CANCER CAUSES & CONTROL*

  Assimes, T. L., Suissa, S.

  2009; 20 (10): 1811-1820

- **Characterizing the admixed African ancestry of African Americans** *GENOME BIOLOGY*

  Zakharia, F., Basu, A., Absher, D., Assimes, T. L., Go, A. S., Hlatky, M. A., Iribarren, C., Knowles, J. W., Li, J., Narasimhan, B., Sidney, S., Southwick, A., Myers, et al

  2009; 10 (12)

- **Digital ischemia** *JOURNAL OF CARDIOVASCULAR MEDICINE*

  Kapoor, J. R., Kapoor, R., Assimes, T. L.

  2008; 9 (12): 1285-1286

- **Long-term use of antihypertensive drugs and risk of cancer** *PHARMACOEPIDEMIOLOGY AND DRUG SAFETY*

  Assimes, T. L., Elstein, E., Langleben, A., Suissa, S.

  2008; 17 (11): 1039-1049

- **Sax Differences In Peripheral Arterial Disease** *81st Annual Scientific Session of the American-Heart-Association*
  Rafie, A. H., Sims, T., Edwards, K. A., Phan, T., Stefanick, M. L., Assimes, T., Trammel, J. A., Olin, J., Cooke, J. P.
  LIPPINCOTT WILLIAMS & WILKINS.2008: S811–S811

- **Susceptibility locus for clinical and subclinical coronary artery disease at chromosome 9p21 in the multi-ethnic ADVANCE study** *HUMAN MOLECULAR GENETICS*
  Assimes, T. L., Knowles, J. W., Basu, A., Iribarren, C., Southwick, A., Tang, H., Absher, D., Li, J., Fair, J. M., Rubin, G. D., Sidney, S., Fortmann, S. P., Go, et al
  2008; 17 (15): 2320-2328

- **A near null variant of 12/15-LOX encoded by a novel SNP in ALOX15 and the risk of coronary artery disease** *ATHEROSCLEROSIS*
  Assimes, T. L., Knowles, J. W., Priest, J. R., Basu, A., Borchert, A., Volcik, K. A., Grove, M. L., Tabor, H. K., Southwick, A., Tabibiazar, R., Sidney, S., Boerwinkle, E., Go, et al
  2008; 198 (1): 136-144

- **Common polymorphisms of ALOX5 and ALOX5AP and risk of coronary artery disease** *HUMAN GENETICS*
  Assimes, T. L., Knowles, J. W., Priest, J. R., Basu, A., Volcik, K. A., Southwick, A., Tabor, H. K., Hartiala, J., Allayee, H., Grove, M. L., Tabibiazar, R., Sidney, S., Fortmann, et al
  2008; 123 (4): 399-408

- **Failure to replicate an association of SNPs in the oxidized LDL receptor gene (OLRI) with CAD** *BMC MEDICAL GENETICS*
  Knowles, J. W., Assimes, T. L., Boerwinkle, E., Fortmann, S. P., Go, A., Grove, M. L., Hlatky, M., Iribarren, C., Li, J., Myers, R., Risch, N., Sidney, S., Southwick, et al
  2008; 9

- **Associations Among Multiple Markers and Complex Disease: Models, Algorithms, and Applications** *GENETIC DISSECTION OF COMPLEX TRAITS, 2ND EDITION*
  Assimes, T. L., Olshen, A. B., Narasimhan, B., Olshen, R. A.
  2008; 60: 437-464

- **Polymorphisms in hypoxia inducible factor 1 and the initial clinical presentation of coronary disease** *AMERICAN HEART JOURNAL*
  Hlatky, M. A., Quertermous, T., Boothroyd, D. B., Priest, J. R., Glassford, A. J., Myers, R. M., Fortmann, S. P., Iribarren, C., Tabor, H. K., Assimes, T. L., Tibshirani, R. J., Go, A. S.
  2007; 154 (6): 1035-1042

- **Circulating chemokines accurately identify individuals with clinically significant atherosclerotic heart disease** *PHYSIOLOGICAL GENOMICS*
  Ardigo, D., Assimes, T. L., Fortmann, S. P., Go, A. S., Hlatky, M., Hytopoulos, E., Iribarren, C., Tsao, P. S., Tabibiazar, R., Quertermous, T.
  2007; 31 (3): 402-409

- **Genetic susceptibility to peripheral arterial disease: A dark corner in vascular biology** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Knowles, J. W., Assimes, T. L., Li, J., Quertermous, T., Cooke, J. P.
  2007; 27 (10): 2068-2078

- **Heritability of left ventricular mass in Japanese families living in Hawaii: the SAPPHIRe Study** *JOURNAL OF HYPERTENSION*
  Assimes, T. L., Narasimhan, B., Seto, T. B., Yoon, S., Curb, J. D., Olshen, R. A., Quertermous, T.
  2007; 25 (5): 985-992

- **Does left ventricular mass differ between apparently normal adults of different ethnicities? The family blood pressure program** *47th Annual Conference on Cardiovascular Disease Epidemiology and Prevention*
  Devereux, R. B., Cooper, R., Weder, A., Seto, T., Hanis, C., Mosley, T., Assimes, T., Rao, D. C., Arnett, D. K.
  LIPPINCOTT WILLIAMS & WILKINS.2007: E288–E288

- **Plasma asymmetric dimethylarginine is an independent marker of peripheral artery disease but not coronary artery disease: A novel marker of atherosclerosis with topographical specificity** *79th Annual Scientific Session of the American-Heart-Association*
  Ng, M. K., Assimes, T., Wang, B., McGee, S., Harada, R. K., Yeung, A. C., Narasimhan, B., Olin, J. W., Cooke, J. P.
  LIPPINCOTT WILLIAMS & WILKINS.2006: 775–76

- **Plasma asymmetric dimethylarginine is an independent marker for the presence and severity of peripheral artery disease** *55th Annual Scientific Session of the American-College-of-Cardiology*
  Ng, M. K., Assimes, T., Wang, B. Y., McGee, S., Harada, R. K., Yeung, A. C., Narasimhan, B., Olin, J. W., Cooke, J. P.
  ELSEVIER SCIENCE INC.2006: 294A–294A

- **Cardiac outcomes occurred more frequently with PCI than CABG or medical therapy in coronary artery disease.** *ACP journal club*
  Assimes, T., Hlatky, M. A.
  2004; 141 (3): 57-?
- **Inhaled corticosteroid use in asthma and the prevention of myocardial infarction** *AMERICAN JOURNAL OF MEDICINE*
  Suissa, S., Assimes, T., Brassard, P., Ernst, P.
  2003; 115 (5): 377-381
- **Inhaled short acting beta agonist use in COPD and the risk of acute myocardial infarction** *THORAX*
  Suissa, S., Assimes, T., Ernst, P.
  2003; 58 (1): 43-46
- **The use of perioperative corticosteroids in craniomaxillofacial surgery** *PLASTIC AND RECONSTRUCTIVE SURGERY*
  Assimes, T. L., Lessard, M. L.
  1999; 103 (1): 313-321
- **Torsade de pointes with sotalol overdose treated successfully with lidocaine** *CANADIAN JOURNAL OF CARDIOLOGY*
  Assimes, T. L., Malcolm, I.
  1998; 14 (5): 753-756