



Themistocles (Tim) Assimes

Associate Professor of Medicine (Cardiovascular Medicine) and, by courtesy, of Health Research and Policy (Epidemiology)
Medicine - Cardiovascular Medicine

CONTACT INFORMATION

- **Administrative Contact**

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Bio

BIO

Dr. Themistocles (Tim) Assimes, MD PhD, is a board-certified adult cardiologist and a tenured Associate Professor of Medicine at Stanford University in the Department of Medicine (Division of Cardiovascular Medicine). Tim grew up in Montreal, Canada, where he received his medical degree from McGill University in 1994. He then pursued training in surgery for nearly two years before switching into internal medicine. He completed his residency in internal medicine as well as a masters 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 his fellowship and Instructorship years at Stanford University, he also completed a PhD in Epidemiology and Biostatistics in pharmacoepidemiology once again under Dr. Suissa's supervision. Dr. Assimes currently devotes a majority of his time performing advanced population based research 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. He has gained substantial experience collaborating with scientists at the international level by representing Stanford and the affiliated Palo Alto VA in large consortia meta analyzing genetic and genomic data. These efforts go beyond the standard SNP by SNP analyses and include analyses, interpretation, and integration of expression and allelic imbalance SNPs, genetic risk scores, Mendelian randomization, epigenetic, and gene set enrichment analyses for the identification of novel pathways of CHD in multi-ethnic populations. Concurrently, he teaches general cardiology as well as echocardiography to medical students, residents, and cardiology fellows-in-training at the Stanford affiliated Palo Alto VA hospital.

ACADEMIC APPOINTMENTS

- Associate Professor, Medicine - Cardiovascular Medicine
- Associate Professor (By courtesy), Health Research & Policy
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Director, Medical and Population Genomics for Precision Medicine, VA Palo Alto Health Care System, (2019- present)
- 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 Committee, 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 (2020) (12/23/2019)
- 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 University (1989-1994)

PROFESSIONAL EDUCATION

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

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Assimes' investigative focus is the design, conduct, analysis, and interpretation of human molecular epidemiology studies of complex cardiovascular disease (CVD) related traits including coronary atherosclerosis, a condition that causes heart attacks, the number one killer in the US and many other countries, and risk factors for coronary atherosclerosis. In addition to performing discovery and validation population genomic studies, Dr. Assimes uses 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. Dr. Assimes is also actively involved in studies assessing the clinical utility of novel genetic markers in isolation or in combination with other biomarkers. Lastly, Dr. Assimes communicates 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. His broad translational knowledge base in this respect allows him 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 that will help further delineate the utility of genomics in clinical practice.

Dr. Assimes currently has 2 openings for postdoctoral training in molecular epidemiology. If you are interested, please send a cover letter, your CV, and the names of 3 references to tassimes@stanford.edu. Candidates can read about funded projects Dr. Assimes is leading or is contributing substantially to below. Past funded proposals are also listed and described.

CLINICAL TRIALS

- Personal Genomics for Preventive Cardiology, Not Recruiting

PROJECTS

- Efficient electronic phenotyping using APHRODITE in the Million Veteran Program - Palo Alto VA Health Care System (4/1/2018 - 3/30/2020)
- 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)
- Genetics of Cardiometabolic Diseases in the VA Population - Veterans Health Administration (10/1/2016 - 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 uptake in South Asians - Stanford University School of Medicine (4/1/2011 - 1/31/2015)
- Utility of the Avir 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

COURSES

2019-20

- Cardiovascular and Pulmonary Sciences Seminar: MED 223 (Aut)

2018-19

- Cardiovascular and Pulmonary Sciences Seminar: MED 223 (Aut, Win)

2017-18

- Cardiovascular and Pulmonary Sciences Seminar: MED 223 (Aut, Win)

2016-17

- Cardiovascular and Pulmonary Sciences Seminar: MED 223 (Aut, Win)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Joanna Lankester, Catherine Tcheandjieu, Daniela Zanetti

Master's Program Advisor

Matthew Parham

Postdoctoral Research Mentor

Min A Jhun

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

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

Publications

PUBLICATIONS

- **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.
; 10 (8): e0135681
- **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
- **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., Chen, B. H., Assimes, T. L., Bandinelli, S., Hou, L., Baccarelli, A. A., Stewart, J. D., Li, Y., 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., Rand, K. A., Conti, D. V., Setiawan, V. W., Stram, D. O., Wilkens, L., Le Marchand, L., 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–+
 - **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
 - **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., Neuhauser, 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
 - **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
 - **Association analyses based on false discovery rate implicate new loci for coronary artery disease.** *Nature genetics*
Nelson, C. P., Goel, A., Butterworth, A. S., Kanoni, S., Webb, T. R., Marouli, E., Zeng, L., Ntalla, I., Lai, F. Y., Hopewell, J. C., Giannakopoulou, O., Jiang, T., 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., Rasheed, A., Tikkanen, E., Lee, J. J., Butterworth, A. S., Howson, J. M., Assimes, T. L., Chowdhury, R., Orho-Melander, M., Damrauer, S., Small, A., Asma, S., 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., Candille, S. I., Assimes, T. L., Tang, H.
2017; 101 (2): 218–26
- **Leukocyte telomere length, T cell composition and DNA methylation age.** *Aging*
Chen, B. H., Carty, C. L., Kimura, M., Kark, J. D., Chen, W., Li, S., Zhang, T., Kooperberg, C., Levy, D., Assimes, T., Absher, D., Horvath, S., 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., Pavlovic, A., Goldstein, B. A., Tsai, S., Li, J., McConnell, M. V., Absher, D., Ashley, E. A., Kiernan, M., 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)
- **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
 - **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
 - **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
 - **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
 - **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
 - **Detecting clinically meaningful biomarkers with repeated measurements: An illustration with electronic health records** *BIOMETRICS*
Goldstein, B. A., Assimes, T., Winkelmayr, 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., Hämmäläinen, 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
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