Stanford



Shoa L. Clarke, MD, PhD

Assistant Professor of Medicine (Stanford Prevention Research Center) and of Pediatrics (Cardiology)

CLINICAL OFFICE (PRIMARY)

- **Stanford Cardiovascular Clinic**

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Bio

BIO

Dr. Clarke is a preventive cardiologist and a physician-scientist focused on disease prevention. He earned his undergraduate degree in human biology from the Division of Nutritional Sciences at Cornell University before obtaining his MD and PhD (genetics) from Stanford University School of Medicine. He has completed clinical training in internal medicine (Brigham & Women's Hospital), pediatrics (Boston Children's Hospital), and cardiovascular medicine (Stanford Hospital), and he is board certified in all three specialties. His research is focused on 1) understanding complex disease genetics in diverse populations, 2) integrating monogenic and polygenic risk with clinical risk, 3) large-scale phenotyping using the electronic health record and medical images. His clinical practice focuses on identifying risk factors for cardiovascular disease with the goal of promoting health and longevity through evidence-based personalized treatment. He is interested in developing family-centric approaches for the treatment of adults and children carrying genetic risk for disease.

CLINICAL FOCUS

- Preventive Cardiology
- Genetics
- Familial Hypercholesterolemia
- Lipoprotein-a
- Lipids
- Coronary Artery Disease
- Coronary Artery Calcification
- Pediatrics
- Cardiovascular Disease

ACADEMIC APPOINTMENTS

- Assistant Professor-Univ Med Line, Medicine
- Assistant Professor-Univ Med Line, Pediatrics - Cardiology

- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Wu Tsai Human Performance Alliance
- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- Fellow, American Heart Association (2025)
- Early Career Research Award, American Society for Preventive Cardiology (2024)
- Resource Centers for Minority Aging Research (RCMAR) Scientist, National Institute on Aging (2022)
- Chair Diversity Investigator Award, Stanford University Department of Medicine (2021)
- Chief Fellow, Stanford Division of Cardiovascular Medicine (2019)
- House Officer Research Award, Boston Children's Hospital (2016)
- Gilliam Fellow, Howard Hughes Medical Institute (2008 - 2013)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Co-chair, American Society for Preventive Cardiology, Pediatric Preventive Cardiology Working Group (2026 - present)
- Member, American Heart Association Journal Health and Longevity Editorial Board (2024 - present)
- Member, VA Million Veteran Program Computing and Informatics Task Force (2024 - present)
- Associate Editor, Journal of the American College of Cardiology (2025 - present)

PROFESSIONAL EDUCATION

- Board certified, American Board of Internal Medicine , Cardiovascular Disease
- Board certified, American Board of Pediatrics , Pediatrics
- Board certified, American Board of Internal Medicine , Internal Medicine
- Fellow, Stanford University School of Medicine , Cardiovascular Medicine (2020)
- Resident, Brigham & Women's Hospital and Boston Children's Hospital , Internal Medicine and Pediatrics (2017)
- PhD, Stanford University School of Medicine , Genetics (2013)
- MD, Stanford University School of Medicine (2013)

LINKS

- Clarke Lab website: https://clarkelab.stanford.edu/
- Twitter: https://twitter.com/ShoaClarke
- Bluesky: https://bsky.app/profile/shoaclarke.bsky.social

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Blake Thomson

Postdoctoral Faculty Sponsor

Alexa Barad Zayat

Postdoctoral Research Mentor

Jiaqi Hu

Publications

PUBLICATIONS

- **Association Between Saturated Fat Intake and Low-Density Lipoprotein Cholesterol Across the Genetic Spectrum.** *JACC. Advances*
  Barad, A., Ritter, V., Nudy, M., Van Horn, L., Allison, M. A., Spracklen, C. N., Liu, L., Jung, S. Y., Manson, J. E., Assimes, T. L., Stefanick, M. L., Clarke, S. L.
  2026: 103423

- **Comparative and Sex-Specific Assessment of Proteomics, Clinical, and Genomic Data on Visceral Adipose Tissue Volume Using Machine Learning in UK Biobank: Advancing Precision Medicine.** *Circulation. Genomic and precision medicine*
  Azizi, Z., Gupte, T., Kho, P. F., Zhou, J., Nzenkue, K., Guarischi-Sousa, R., Panyard, D. J., Chen, M. L., Abbasi, F., Clarke, S. L., Knowles, J. W., Tsao, P. S., Assimes, et al
  2026: e005465

- **Association Between AHA's Life's Essential 8 Score and Telomere Length in the VA's Million Veteran Program**
  Huang, R., Hilliard, A., Tsao, P. S., Assimes, T. L., Clarke, S. L.
  LIPPINCOTT WILLIAMS & WILKINS.2026: A10657

- **The Power of PREVENT Meets the Power of Zero.** *Journal of the American College of Cardiology*
  Clarke, S. L.
  2026; 88 (7): 749-751

- **Low-Density Lipoprotein Cholesterol and Venous Thromboembolism: What Rare Variants Teach Us About a Common Disease.** *Journal of the American College of Cardiology*
  Clarke, S. L.
  2026

- **Linkage disequilibrium and allelic heterogeneity explain variation in coronary artery disease risk at 9p21 across populations and reduced effect in Africans.** *American journal of human genetics*
  Alkhairo, H., Koyama, S., Iyer, K., Hilliard, A. T., Kho, P. F., Clarke, S., Abdulwahab, F. M., Assimes, T. L., Lynch, J. A., Ramsay, M., Chang, K. M., Tsao, P. S., Alkuraya, et al
  2026

- **Triangulating Evidence in Proteome-Wide Mendelian Randomization for Cardiovascular Disease: Insights Across Ancestries and Modalities.** *Journal of the American College of Cardiology*
  Yoshiji, S., Clarke, S. L.
  2026

- **Exome-wide association study of blood lipids in 1,158,017 individuals from diverse populations.** *Nature genetics*
  Koyama, S., Yu, Z., Choi, S. H., Jurgens, S. J., Selvaraj, M. S., Klarin, D., Huffman, J. E., Clarke, S. L., Zhang, S. K., Trinh, M. N., Ravi, A., Dron, J. S., Spinks, et al
  2026

- **Association between AHA's Life's Essential 8 and Coronary Artery Plaque Burden in the VA Million Veteran Program**
  Huang, R., Hilliard, A., Tsao, P., Assimes, T., Clarke, S.
  LIPPINCOTT WILLIAMS & WILKINS.2026: ATH938

- **Seven-Day Accelerometer Data Provide a Reasonable Proxy for Longitudinal Exercise Patterns**
  Scharfstein, E., Clarke, S.
  LIPPINCOTT WILLIAMS & WILKINS.2026: AWE534

- **Genetic Propensity Modifies the Association Between Saturated Fat Intake and Low-Density Lipoprotein Cholesterol**
  Barad, A., Stefanick, M., Assimes, T., Clarke, S.
  LIPPINCOTT WILLIAMS & WILKINS.2026: AMPTH76

- **Angiographic Burden of Coronary Atherosclerosis Partially Mediates the Association Between ASCVD Risk Factors and Outcomes.** *Circulation. Genomic and precision medicine*
  Tsao, N. L., Abramowitz, S. A., Shakt, G. E., Judy, R., Hilliard, A. T., Damrauer, S. M., Assimes, T. L., Clarke, S. L., Tcheandjieu, C., Levin, M. G.

2026: e005266

- **Polygenic risk score for type 2 diabetes shows context-dependent effects across populations.** *Nature communications*
  Guo, B., Cai, Y., Kim, D., Smit, R. A., Wang, Z., Iyer, K. R., Hilliard, A. T., Haessler, J., Tao, R., Broadaway, K. A., Wang, Y., Pozdeyev, N., Stæger, et al
  2025; 16 (1): 8632
- **Cross-Ancestry Associations of Spontaneous Coronary Artery Dissection Genetic Risk With Coronary Atherosclerosis and Migraine Headache.** *Journal of the American Heart Association*
  Xu, C., Yang, M. L., Kho, P. F., Clarke, S. L., Tcheandjieu, C., Peyser, P. A., Fann, C. S., Chen, S. P., Saw, J., Zhou, X., Assimes, T. L., Ganesh, S. K.
  2025: e036525
- **Plasma proteomic signatures for type 2 diabetes and related traits in the UK Biobank cohort.** *Diabetes research and clinical practice*
  Gupte, T. P., Azizi, Z., Kho, P. F., Zhou, J., Nzenkue, K., Chen, M. L., Panyard, D. J., Guarischi-Sousa, R., Hilliard, A. T., Sharma, D., Watson, K., Abbasi, F., Tsao, et al
  2025: 112194
- **Rare damaging CCR2 variants are associated with lower lifetime cardiovascular risk.** *Genome medicine*
  Georgakis, M. K., Malik, R., Bounkari, O. E., Hasbani, N. R., Li, J., Huffman, J. E., Shakt, G., Tack, R. W., Kimball, T. N., Asare, Y., Morrison, A. C., Tsao, N. L., Judy, et al
  2025; 17 (1): 27
- **The Case Against Race-Based Coronary Artery Calcium Screening.** *Circulation. Cardiovascular imaging*
  Clarke, S. L.
  2025: e017875
- **CXCL12 drives natural variation in coronary artery anatomy across diverse populations.** *Cell*
  Rios Coronado, P. E., Zhou, J., Fan, X., Zanetti, D., Naftaly, J. A., Prabala, P., Martínez Jaimes, A. M., Farah, E. N., Kundu, S., Deshpande, S. S., Evergreen, I., Kho, P. F., Ma, et al
  2025
- **Unveiling the Genetic Landscape of Coronary Artery Disease Through Common and Rare Structural Variants.** *Journal of the American Heart Association*
  Iyer, K. R., Clarke, S. L., Guarischi-Sousa, R., Gjoni, K., Heath, A. S., Young, E. P., Stitziel, N. O., Laurie, C., Broome, J. G., Khan, A. T., Lewis, J. P., Xu, H., Montasser, et al
  2025: e036499
- **Guideline recommended statin eligibility and use among U.S. adults ages 20 to 39 years.** *American journal of preventive cardiology*
  Clarke, S. L., Thomson, B.
  2024; 20: 100890
- **Rare variant contribution to the heritability of coronary artery disease.** *Nature communications*
  Rocheleau, G., Clarke, S. L., Auguste, G., Hasbani, N. R., Morrison, A. C., Heath, A. S., Bielak, L. F., Iyer, K. R., Young, E. P., Stitziel, N. O., Jun, G., Laurie, C., Broome, et al
  2024; 15 (1): 8741
- **Exome wide association study for blood lipids in 1,158,017 individuals from diverse populations.** *medRxiv : the preprint server for health sciences*
  Koyama, S., Yu, Z., Choi, S. H., Jurgens, S. J., Selvaraj, M. S., Klarin, D., Huffman, J. E., Clarke, S. L., Trinh, M. N., Ravi, A., Dron, J. S., Spinks, C., Surakka, et al
  2024
- **A plasma proteomic signature for atherosclerotic cardiovascular disease risk prediction in the UK Biobank cohort.** *medRxiv : the preprint server for health sciences*
  Gupte, T. P., Azizi, Z., Kho, P. F., Zhou, J., Chen, M., Panyard, D. J., Guarischi-Sousa, R., Hilliard, A. T., Sharma, D., Watson, K., Abbasi, F., Tsao, P. S., Clarke, et al
  2024
- **Plasma proteomic signatures for type 2 diabetes mellitus and related traits in the UK Biobank cohort.** *medRxiv : the preprint server for health sciences*
  Gupte, T. P., Azizi, Z., Kho, P. F., Zhou, J., Nzenkue, K., Chen, M., Panyard, D. J., Guarischi-Sousa, R., Hilliard, A. T., Sharma, D., Watson, K., Abbasi, F., Tsao, et al

2024

- **Genetically predicted lipoprotein(a) associates with coronary artery plaque severity independent of low-density lipoprotein cholesterol.** *European journal of preventive cardiology*
  Clarke, S. L., Huang, R. D., Hilliard, A. T., Levin, M. G., Sharma, D., Thomson, B., Lynch, J., Tsao, P. S., Gaziano, J. M., Assimes, T. L.
  2024

- **PLASMA PROTEOMICS AND VISCERAL ADIPOSE TISSUE VOLUME: A MACHINE LEARNING ANALYSIS OF INTERACTION BETWEEN BIOMARKERS, SOCIO-BEHAVIORAL, AND FITNESS FACTORS IN UK BIOBANK**
  Azizi, Z., Gupte, T., Kho, P., Nzenkue, K., Zhou, J., Guarischi-Sousa, R., Panyard, D., Chen, M., Abbasi, F., Clarke, S., Tsao, P., Assimes, T. L.
  ELSEVIER SCIENCE INC.2024: 1699

- **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

- **Impact of Measurement Noise on Genetic Association Studies of Cardiac Function**
  Vukadinovic, M., Renjith, G., Yuan, V., Kwan, A., Cheng, S. C., Li, D., Clarke, S. L., Ouyang, D.
  edited by Hunter, L., Altman, R. B., Ritchie, M. D., Murray, T., Klein, T. E.
  WORLD SCIENTIFIC PUBL CO PTE LTD.2024: 134-147

- **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., Cardenas, C. L., Lutz, S. M., Wong, D., Guo, X., Yao, et al
  2023; 2 (12): 1159-1172

- **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

- **A genetically supported drug repurposing pipeline for diabetes treatment using electronic health records.** *EBioMedicine*
  Shuey, M. M., Lee, K. M., Keaton, J., Khankari, N. K., Breeyear, J. H., Walker, V. M., Miller, D. R., Heberer, K. R., Reaven, P. D., Clarke, S. L., Lee, J., Lynch, J. A., Vujkovic, et al
  2023; 94: 104674

- **Deep learning-enabled analysis of medical images identifies cardiac sphericity as an early marker of cardiomyopathy and related outcomes.** *Med (New York, N.Y.)*
  Vukadinovic, M., Kwan, A. C., Yuan, V., Salerno, M., Lee, D. C., Albert, C. M., Cheng, S., Li, D., Ouyang, D., Clarke, S. L.
  2023

- **Does low-density lipoprotein fully explain atherosclerotic risk in familial hypercholesterolemia?** *Current opinion in lipidology*
  Clarke, S. L.
  2023

- **The Value of Measuring Lipoprotein(a) in Children.** *Circulation*
  Khoury, M., Clarke, S. L.
  2023; 147 (1): 32-34

- **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

- **Confounders mediate AI prediction of demographics in medical imaging.** *NPJ digital medicine*
  Duffy, G., Clarke, S. L., Christensen, M., He, B., Yuan, N., Cheng, S., Ouyang, D.
  2022; 5 (1): 188

- **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

- **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 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. L., Hilliard, A. T., Tcheandjieu, C., Lynch, J., Damrauer, S. M., Chang, K., 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

- **Using Mendelian randomisation to identify opportunities for type 2 diabetes prevention by repurposing medications used for lipid management.** *EBioMedicine*
  Khankari, N. K., Keaton, J. M., Walker, V. M., Lee, K. M., Shuey, M. M., Clarke, S. L., Heberer, K. R., Miller, D. R., Reaven, P. D., Lynch, J. A., Vujkovic, M., Edwards, T. L.
  2022; 80: 104038

- **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

- **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

- **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

- **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

- **Time to Relax the 40-Year Age Threshold for Pharmacologic Cholesterol Lowering.** *Journal of the American College of Cardiology*
  Heidenreich, P. A., Clarke, S. L., Maron, D. J.
  2021; 78 (20): 1965-1967

- **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

- **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

- **Validation of an Integrated Risk Tool, Including Polygenic Risk Score, for Atherosclerotic Cardiovascular Disease in Multiple Ethnicities and Ancestries.** *The American journal of cardiology*
  Weale, M. E., Riveros-Mckay, F., Selzam, S., Seth, P., Moore, R., Tarran, W. A., Gradovich, E., Giner-Delgado, C., Palmer, D., Wells, D., Saffari, A., Sivley, R. M., Lachapelle, et al
  2021

- **The need for polygenic score reporting standards in evidence-based practice: lipid genetics use case.** *Current opinion in lipidology*
  Wand, H. n., Knowles, J. W., Clarke, S. L.
  2021

- **Combining Clinical and Polygenic Risk Improves Stroke Prediction Among Individuals with Atrial Fibrillation.** *Circulation. Genomic and precision medicine*
  O'Sullivan, J. W., Shcherbina, A., Justesen, J. M., Turakhia, M., Perez, M., Wand, H., Tcheandjieu, C., Clarke, S. L., Rivas, M. A., Ashley, E. A.
  2021

- **A New Era for Preventive Cardiology.** *Trends in cardiovascular medicine*
  Clarke, S. L.
  2021

- **Combining Clinical and Polygenic Risk Improves Stroke Prediction Among Individuals With Atrial Fibrillation**
  Osullivan, J. W., Shcherbina, A., Justesen, J. M., Turakhia, M., Perez, M. V., Wand, H., Tcheandjieu, C., Clarke, S. L., Harrington, R. A., Rivas, M. A., Ashley, E. A.
  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

- **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

- **Cardiorespiratory Fitness, Body-Mass Index, and Markers of Insulin Resistance in Apparently Healthy Women and Men.** *The American journal of medicine*
  Clarke, S. L., Reaven, G. M., Leonard, D., Barlow, C. E., Haskell, W. L., Willis, B. L., DeFina, L., Knowles, J. W., Maron, D. J.
  2020
- **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
- **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
- **Erosion of Conserved Binding Sites in Personal Genomes Points to Medical Histories.** *PLoS computational biology*
  Guturu, H., Chinchali, S., Clarke, S. L., Bejerano, G.
  2016; 12 (2)
- **The enhancer landscape during early neocortical development reveals patterns of dense regulation and co-option.** *PLoS genetics*
  Wenger, A. M., Clarke, S. L., Notwell, J. H., Chung, T., Tuteja, G., Guturu, H., Schaar, B. T., Bejerano, G.
  2013; 9 (8)
- **PRISM offers a comprehensive genomic approach to transcription factor function prediction.** *Genome research*
  Wenger, A. M., Clarke, S. L., Guturu, H., Chen, J., Schaar, B. T., McLean, C. Y., Bejerano, G.
  2013; 23 (5): 889-904
- **Human Developmental Enhancers Conserved between Deuterostomes and Protostomes** *PLOS GENETICS*
  Clarke, S. L., VanderMeer, J. E., Wenger, A. M., Schaar, B. T., Ahituv, N., Bejerano, G.
  2012; 8 (8)
- **Coding exons function as tissue-specific enhancers of nearby genes** *GENOME RESEARCH*
  Birnbaum, R. Y., Clowney, E. J., Agamy, O., Kim, M. J., Zhao, J., Yamanaka, T., Pappalardo, Z., Clarke, S. L., Wenger, A. M., Loan Nguyen, L., Gurrieri, F., Everman, D. B., Schwartz, et al
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