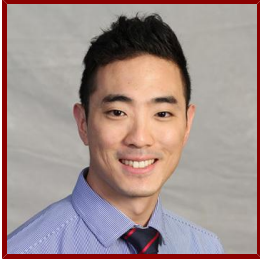



Stanford



Dan Seung Kim, MD, PhD, MPH

Fellow in Medicine - Med/Cardiovascular Medicine

 Curriculum Vitae available Online

Bio

BIO

I am presently a Fellow in Cardiovascular Medicine and Lead Fellow for the Translational Investigator Program (TIP) at Stanford University, where I work in the laboratory of Euan Ashley on a portfolio centering around exercise and physical activity. I previously obtained my MD from the University of Michigan and my PhD in Genome Sciences and MPH in Biostatistics from the University of Washington.

Exercise is the most potent intervention in preventing the common diseases of aging. However, the majority of adults do not meet the recommended amount of exercise by numerous expert consensus groups worldwide. To combat this, we have leveraged digital interventions on smartphones and demonstrate that personalized, AI-driven interventions are more likely to increase short-term physical activity in adults.

Separately, I work on identifying longitudinal (over time) changes in the multi-ome (spanning the genome -> epigenome -> transcriptome -> proteome/metabolome, and post-translational modifications [e.g., phosphorylation]) with endurance exercise training, with a particular focus on changes specific to the heart (my area of clinical interest!).

I have received funding as a principal investigator from the National Institutes of Health (NIH), American Heart Association (AHA), and the Wu Tsai Human Performance Alliance. I am a member of Alpha Omega Alpha (AOA) Medical Honors Society and graduated from the University of Michigan Medical School with distinction in clinical activities (top 10% of class), distinction in research, the Dean's Award for Research Excellence, and the Department of Internal Medicine's Senior Scholarship. At Stanford, I have been awarded the Edwin Alderman award for Excellence in Clinical Research.

Long-term, I will be a physician-scientist working to translate my research findings into actionable therapies for my patients with underlying genetic cardiomyopathies and/or coronary artery disease, and separately, work on innovating technologies to increase physical activity in the general population, with particular attention to the elderly and racial/ethnic minorities.

CLINICAL FOCUS

- Fellow
- Cardiovascular Disease
- Cardiovascular Genetics
- Inherited Cardiomyopathies
- Exercise Physiology
- Preventive Cardiology

- Digital Health

INSTITUTE AFFILIATIONS

- Member (Postdoc), Cardiovascular Institute

HONORS AND AWARDS

- Clinician-Scientist Award, Wu Tsai Human Performance Alliance (2023)
- Edwin Alderman Award for Excellence in Clinical Research, Stanford University (2023)
- Loan Repayment Program, National Institutes of Health (NIH) (2023)
- Dean's Award for Research Excellence, University of Michigan (2019)
- Department of Internal Medicine Senior Scholarship, University of Michigan (2019)
- Graduation with Distinction (Top 10% of Class), University of Michigan (2019)
- Graduation with Distinction in Research, University of Michigan (2019)
- Alpha Omega Alpha (AOA) Medical Honors Society, University of Michigan (2018)
- Clinical Comprehensive Assessment (CCA) Commendation, University of Michigan (2018)
- Dean's Commendation for Excellence in Clinical Skills, University of Michigan (2018)
- Loan Repayment Program, National Institutes of Health (NIH) (2016)
- Postdoctoral Fellowship, American Heart Association (AHA), Western States Affiliate (2016)
- Invited Lecture: High Science HDL Forum, Translational Medicine Academy (2015)
- J. Maxwell Chamberlain Memorial Paper in Congenital Heart Surgery (Plenary Talk), Society for Thoracic Surgery (2014)
- Ruth Kirschstein National Research Fellowship for Predoctoral Fellows (F32), National Institutes of Health (NIH) (2013)
- Alpha Omega Alpha (AOA) Research Fellowship (Declined for Other Funding), University of Michigan (2011)
- Research Fellowship for Medical Students, Sarnoff Cardiovascular Research Foundation (2011)
- Award of Research Excellence, University of Michigan (2010)
- Magna Cum Laude, College of Arts and Sciences, University of Washington (2009)
- Phi Beta Kappa Honors Society, University of Washington (2008)
- Space Grant, National Aeronautics and Space Administration (NASA) (2008)
- Mary Gates Leadership Fellowship for Undergraduates, University of Washington (2007)
- Research Fellowship for Undergraduates, Washington Research Foundation (2007)
- Mary Gates Research Fellowship for Undergraduates, University of Washington (2006)
- Research Experience for Undergraduates, National Science Foundation (2006)
- Undergraduate Scholar Award, University of Washington (2005)

PROFESSIONAL EDUCATION

- Fellowship, Cardiology, Stanford University , Cardiovascular Disease (2025)
- Residency, Internal Medicine, Stanford University , Internal Medicine (2021)
- MD, University of Michigan , Medicine (2019)
- PhD, University of Washington , Genome Sciences (2015)
- MPH, University of Washington , Biostatistics (2016)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research projects within the laboratory of Euan Ashley center around the broad topic of exercise, physiology, and cardiovascular disease:

1. Digital health interventions - I previously have published on the topic of digital health interventions delivered via an iPhone app (Kim and Javed et al, *European Heart Journal - Digital Health* 2023). We found that personalizing interventions based on individual's baseline activity was more effective in increasing short-term physical activity than other "one-size fits all" approaches. In our next phase, we will extend this to under-represented populations in digital health and implement cutting-edge artificial intelligence models to improve our interventions.
2. Molecular mechanisms of exercise physiologic adaptations - using time-series multi-omic data, we aim to map out the molecular responses to endurance exercise training in rats, using data from the Molecular Transducers of Physical Activity Consortium (MoTrPAC). See our recent review in *Nature Reviews Genetics* - Kim et al, 2021.
3. Effect of physical activity on coronary artery disease symptoms and outcomes - in collaboration with Dr David Maron and the ISCHEMIA study, I am investigating the effects of physical activity and sedentary behavior on symptoms related to known coronary heart disease and separately, the outcome of all-cause mortality.
4. Exercise [hysiology - in collaboration with Dr Francois Haddad and Dr Jonathan Myers, I am working on projects to better standardize reporting of maximal oxygen uptake. In brief, maximal oxygen uptake (VO2 max) is an extremely valuable prognostic, but estimation of this physiologic value is poor in certain populations. We are working to improve estimation of this variable and demonstrating its efficacy in predicting hard outcomes in patients with heart failure.
5. Outcomes in inherited cardiomyopathies - under the mentorship of Dr Euan Ashley, I am building my clinical expertise in treating patients with inherited cardiomyopathies. The Stanford Center for Inherited Cardiovascular Disease (SCICD) is home to clinical care of patients with inherited cardiomyopathies, channelopathies, inherited lipid disorders, neuromuscular disorders (e.g., muscular dystrophy), and vascular disorders (e.g., Marfan's and other aorthopathies). Our clinic is nested within the Heart Failure program and manages those patients who are progressing toward advanced heart failure therapies, such as transplant or left ventricular assist devices. Within this clinic, I am leading projects to describe our experience with mavacamten, a first of its class treatment of hypertrophic cardiomyopathy with obstruction.

CURRENT CLINICAL INTERESTS

- Inherited Cardiomyopathies
- Exercise Physiology
- Preventive Cardiology

LAB AFFILIATIONS

- Euan Ashley (7/1/2019)

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cardiovascular Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Personalized digital behaviour interventions increase short-term physical activity: a randomized control crossover trial substudy of the MyHeart Counts Cardiovascular Health Study.** *European heart journal. Digital health*
Javed, A., Kim, D. S., Hershman, S. G., Shcherbina, A., Johnson, A., Tolas, A., O'Sullivan, J. W., McConnell, M. V., Lazzeroni, L., King, A. C., Christle, J. W., Oppezzo, M., Mattsson, et al
2023; 4 (5): 411-419

- **Premature ventricular contractions (PVCs) in young athletes.** *Progress in cardiovascular diseases*
Gomez, S. E., Hwang, C. E., Kim, D. S., Froelicher, V. F., Wheeler, M. T., Perez, M. V.
2022
- **Mind the Gap: The Complete Human Genome Unlocks Benefits for Clinical Genomics.** *Clinical chemistry*
Kim, D. S., Wiel, L., Ashley, E. A.
2022
- **Lipoprotein(a) and Incident Atrial Fibrillation: Leveraging Nature's Randomization to Identify Novel Causal Associations.** *Journal of the American College of Cardiology*
Kim, D. S., Khandelwal, A.
2022; 79 (16): 1591-1593
- **The genetics of human performance.** *Nature reviews. Genetics*
Kim, D. S., Wheeler, M. T., Ashley, E. A.
2021
- **Genetics of Type 2 Diabetes: Opportunities for Precision Medicine: JACC Focus Seminar.** *Journal of the American College of Cardiology*
Kim, D. S., Gloyd, A. L., Knowles, J. W.
2021; 78 (5): 496-512
- **Loci identified by a genome-wide association study of carotid artery stenosis in the eMERGE network.** *Genetic epidemiology*
Palmer, M. R., Kim, D. S., Crosslin, D. R., Stanaway, I. B., Rosenthal, E. A., Carrell, D. S., Cronkite, D. J., Gordon, A., Du, X., Li, Y. K., Williams, M. S., Weng, C., Feng, et al
2021; 45 (1): 4-15
- **Failure to validate association of mannose-binding lectin deficiency with adverse neurodevelopmental outcomes after cardiac surgery in infants.** *The Journal of thoracic and cardiovascular surgery*
Kim, D. S., Newburger, J. W., Bellinger, D. C., Russell, M. W., Goldberg, C. S., Jarvik, G. P., Gaynor, J. W.
2019; 157 (6): e397-e398
- **Hypertriglyceridaemia-induced pancreatitis prompted by acute corticosteroid treatment: caution for clinicians.** *Internal medicine journal*
Kim, D. S., O'Hayer, P. J., Rubenfire, M., Brook, R. D.
2019; 49 (3): 411-412
- **Single-Molecule Sequencing Reveals Patterns of Preexisting Drug Resistance That Suggest Treatment Strategies in Philadelphia-Positive Leukemias.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Schmitt, M. W., Pritchard, J. R., Leighow, S. M., Aminov, B. I., Beppu, L., Kim, D. S., Hodgson, J. G., Rivera, V. M., Loeb, L. A., Radich, J. P.
2018; 24 (21): 5321-5334
- **Identification of seven novel loci associated with amino acid levels using single-variant and gene-based tests in 8545 Finnish men from the METSIM study.** *Human molecular genetics*
Teslovich, T. M., Kim, D. S., Yin, X., Stancáková, A., Jackson, A. U., Wielscher, M., Naj, A., Perry, J. R., Huyghe, J. R., Stringham, H. M., Davis, J. P., Raulerson, C. K., Welch, et al
2018; 27 (9): 1664-1674
- **A novel homozygous ABCA1 variant in an asymptomatic man with profound hypoalphalipoproteinemia.** *Journal of clinical lipidology*
Carcora, Y., Brook, R. D., Farhat, L., Willer, C. J., Rubenfire, M., Kim, D. S.
2018; 12 (4): 878-882
- **Autosomal dominant mannose-binding lectin deficiency is associated with worse neurodevelopmental outcomes after cardiac surgery in infants.** *The Journal of thoracic and cardiovascular surgery*
Kim, D. S., Li, Y. K., Kim, J. H., Bergquist, C. S., Gerdes, M., Bernbaum, J. C., Burnham, N., McDonald-McGinn, D. M., Zackai, E. H., Nicolson, S. C., Spray, T. L., Nickerson, D. A., Hakonarson, et al
2018; 155 (3): 1139-1147.e2
- **A vascular endothelial growth factor A genetic variant is associated with improved ventricular function and transplant-free survival after surgery for non-syndromic CHD.** *Cardiology in the young*
Mavroudis, C. D., Seung Kim, D., Burnham, N., Morss, A. H., Kim, J. H., Burt, A. A., Crosslin, D. R., McDonald-McGinn, D. M., Zackai, E. H., Cohen, M. S., Nicolson, S. C., Spray, T. L., Stanaway, et al
2018; 28 (1): 39-45

- **HDL and atherosclerotic cardiovascular disease: genetic insights into complex biology.** *Nature reviews. Cardiology*
Rosenson, R. S., Brewer, H. B., Barter, P. J., Björkegren, J. L., Chapman, M. J., Gaudet, D., Kim, D. S., Niesor, E., Rye, K. A., Sacks, F. M., Tardif, J. C., Hegele, R. A.
2018; 15 (1): 9-19
- **Discovery and replication of SNP-SNP interactions for quantitative lipid traits in over 60,000 individuals.** *BioData mining*
Holzinger, E. R., Verma, S. S., Moore, C. B., Hall, M., De, R., Gilbert-Diamond, D., Lanktree, M. B., Pankratz, N., Amuzu, A., Burt, A., Dale, C., Dudek, S., Furlong, et al
2017; 10: 25
- **Novel association of TM6SF2 rs58542926 genotype with increased serum tyrosine levels and decreased apoB-100 particles in Finns.** *Journal of lipid research*
Kim, D. S., Jackson, A. U., Li, Y. K., Stringham, H. M., Kuusisto, J., Kangas, A. J., Soininen, P., Ala-Korpela, M., Burant, C. F., Salomaa, V., Boehnke, M., Laakso, M., Speliotes, et al
2017; 58 (7): 1471-1481
- **Sequencing of sporadic Attention-Deficit Hyperactivity Disorder (ADHD) identifies novel and potentially pathogenic de novo variants and excludes overlap with genes associated with autism spectrum disorder.** *American journal of medical genetics. Part B, Neuropsychiatric genetics : the official publication of the International Society of Psychiatric Genetics*
Kim, D. S., Burt, A. A., Ranchalis, J. E., Wilmot, B., Smith, J. D., Patterson, K. E., Coe, B. P., Li, Y. K., Bamshad, M. J., Nikolas, M., Eichler, E. E., Swanson, J. M., Nigg, et al
2017; 174 (4): 381-389
- **Limiting Antibiotics When Managing Mandible Fractures May Not Increase Infection Risk.** *Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons*
Gaal, A., Bailey, B., Patel, Y., Smiley, N., Dodson, T., Kim, D., Dillon, J.
2016; 74 (10): 2008-18
- **Association Between Absolute Neutrophil Count and Variation at TCIRG1: The NHLBI Exome Sequencing Project.** *Genetic epidemiology*
Rosenthal, E. A., Makaryan, V., Burt, A. A., Crosslin, D. R., Kim, D. S., Smith, J. D., Nickerson, D. A., Reiner, A. P., Rich, S. S., Jackson, R. D., Ganesh, S. K., Polfus, L. M., Qi, et al
2016; 40 (6): 470-4
- **Concentration of Smaller High-Density Lipoprotein Particle (HDL-P) Is Inversely Correlated With Carotid Intima Media Thickening After Confounder Adjustment: The Multi Ethnic Study of Atherosclerosis (MESA).** *Journal of the American Heart Association*
Kim, D. S., Li, Y. K., Bell, G. A., Burt, A. A., Vaisar, T., Hutchins, P. M., Furlong, C. E., Otvos, J. D., Polak, J. F., Arnan, M. K., Kaufman, J. D., McClelland, R. L., Longstreth, et al
2016; 5 (5)
- **Burden of potentially pathologic copy number variants is higher in children with isolated congenital heart disease and significantly impairs covariate-adjusted transplant-free survival.** *The Journal of thoracic and cardiovascular surgery*
Kim, D. S., Kim, J. H., Burt, A. A., Crosslin, D. R., Burnham, N., Kim, C. E., McDonald-McGinn, D. M., Zackai, E. H., Nicolson, S. C., Spray, T. L., Stanaway, I. B., Nickerson, D. A., Heagerty, et al
2016; 151 (4): 1147-51.e4
- **PLTP activity inversely correlates with CAAD: effects of PON1 enzyme activity and genetic variants on PLTP activity.** *Journal of lipid research*
Kim, D. S., Burt, A. A., Ranchalis, J. E., Vuletic, S., Vaisar, T., Li, W. F., Rosenthal, E. A., Dong, W., Eintracht, J. F., Motulsky, A. G., Brunzell, J. D., Albers, J. J., Furlong, et al
2015; 56 (7): 1351-62
- **Rare and Coding Region Genetic Variants Associated With Risk of Ischemic Stroke: The NHLBI Exome Sequence Project.** *JAMA neurology*
Auer, P. L., Nalls, M., Meschia, J. F., Worrall, B. B., Longstreth, W. T., Seshadri, S., Kooperberg, C., Burger, K. M., Carlson, C. S., Carty, C. L., Chen, W. M., Cupples, L. A., DeStefano, et al
2015; 72 (7): 781-8
- **Actionable exomic incidental findings in 6503 participants: challenges of variant classification** *GENOME RESEARCH*
Amendola, L. M., Dorschner, M. O., Robertson, P. D., Salama, J. S., Hart, R., Shirts, B. H., Murray, M. L., Tokita, M. J., Gallego, C. J., Kim, D. S., Bennett, J. T., Crosslin, D. R., Ranchalis, et al
2015; 25 (3): 305-315
- **Association of exome sequences with plasma C-reactive protein levels in >9000 participants.** *Human molecular genetics*
Schick, U. M., Auer, P. L., Bis, J. C., Lin, H., Wei, P., Pankratz, N., Lange, L. A., Brody, J., Stitzel, N. O., Kim, D. S., Carlson, C. S., Fornage, M., Haessler, et al

2015; 24 (2): 559-71

- **Parallel reaction monitoring (PRM) and selected reaction monitoring (SRM) exhibit comparable linearity, dynamic range and precision for targeted quantitative HDL proteomics.** *Journal of proteomics*
Ronsein, G. E., Pamir, N., von Haller, P. D., Kim, D. S., Oda, M. N., Jarvik, G. P., Vaisar, T., Heinecke, J. W.
2015; 113: 388-99
- **Validation of association of the apolipoprotein E #2 allele with neurodevelopmental dysfunction after cardiac surgery in neonates and infants.** *The Journal of thoracic and cardiovascular surgery*
Gaynor, J. W., Kim, D. S., Arrington, C. B., Atz, A. M., Bellinger, D. C., Burt, A. A., Ghanayem, N. S., Jacobs, J. P., Lee, T. M., Lewis, A. B., Mahle, W. T., Marino, B. S., Miller, et al
2014; 148 (6): 2560-6
- **Controlling for population structure and genotyping platform bias in the eMERGE multi-institutional biobank linked to electronic health records.** *Frontiers in genetics*
Crosslin, D. R., Tromp, G., Burt, A., Kim, D. S., Verma, S. S., Lucas, A. M., Bradford, Y., Crawford, D. C., Armasu, S. M., Heit, J. A., Hayes, M. G., Kuivaniemi, H., Ritchie, et al
2014; 5: 352
- **Quantification of HDL particle concentration by calibrated ion mobility analysis.** *Clinical chemistry*
Hutchins, P. M., Ronsein, G. E., Monette, J. S., Pamir, N., Wimberger, J., He, Y., Anantharamaiah, G. M., Kim, D. S., Ranchalis, J. E., Jarvik, G. P., Vaisar, T., Heinecke, J. W.
2014; 60 (11): 1393-401
- **Design and Anticipated Outcomes of the eMERGE-PGx Project: A Multicenter Pilot for Preemptive Pharmacogenomics in Electronic Health Record Systems** *CLINICAL PHARMACOLOGY & THERAPEUTICS*
Rasmussen-Torvik, L. J., Stallings, S. C., Gordon, A. S., Almoguera, B., Basford, M. A., Bielinski, S. J., Brautbar, A., Brilliant, M. H., Carrell, D. S., Connolly, J. J., Crosslin, D. R., Doheny, K. F., Gallego, et al
2014; 96 (4): 482-89
- **Effects of dietary components on high-density lipoprotein measures in a cohort of 1,566 participants.** *Nutrition & metabolism*
Kim, D. S., Burt, A. A., Ranchalis, J. E., Jarvik, L. E., Eintracht, J. F., Furlong, C. E., Jarvik, G. P.
2014; 11 (1): 44
- **The relationship between diastolic blood pressure and coronary artery calcification is dependent on single nucleotide polymorphisms on chromosome 9p21.3.** *BMC medical genetics*
Kim, D. S., Smith, J. A., Bielak, L. F., Wu, C. Y., Sun, Y. V., Sheedy, P. F., Turner, S. T., Peyser, P. A., Kardia, S. L.
2014; 15: 89
- **Patient genotypes impact survival after surgery for isolated congenital heart disease.** *The Annals of thoracic surgery*
Kim, D. S., Kim, J. H., Burt, A. A., Crosslin, D. R., Burnham, N., McDonald-McGinn, D. M., Zackai, E. H., Nicolson, S. C., Spray, T. L., Stanaway, I. B., Nickerson, D. A., Russell, M. W., Hakonarson, et al
2014; 98 (1): 104-10; discussion 110-1
- **HDL-3 is a superior predictor of carotid artery disease in a case-control cohort of 1725 participants.** *Journal of the American Heart Association*
Kim, D. S., Burt, A. A., Rosenthal, E. A., Ranchalis, J. E., Eintracht, J. F., Hatsukami, T. S., Furlong, C. E., Marcovina, S., Albers, J. J., Jarvik, G. P.
2014; 3 (3): e000902
- **Rare coding variation in paraoxonase-1 is associated with ischemic stroke in the NHLBI Exome Sequencing Project.** *Journal of lipid research*
Kim, D. S., Crosslin, D. R., Auer, P. L., Suzuki, S. M., Marsillach, J., Burt, A. A., Gordon, A. S., Meschia, J. F., Nalls, M. A., Worrall, B. B., Longstreth, W. T., Gottesman, R. F., Furlong, et al
2014; 55 (6): 1173-8
- **Gene-centric Meta-analysis in 87,736 Individuals of European Ancestry Identifies Multiple Blood-Pressure-Related Loci.** *American journal of human genetics*
Tragante, V., Barnes, M. R., Ganesh, S. K., Lanktree, M. B., Guo, W., Franceschini, N., Smith, E. N., Johnson, T., Holmes, M. V., Padmanabhan, S., Karczewski, K. J., Almoguera, B., Barnard, et al
2014; 94 (3): 349-360
- **The HDL particle: frontiers for new discovery in cardioprotection** *Clinical Laboratory International*
Kim, D. S., Hutchins, P. M., Jarvik, G. P.
2014

- **Dietary fatty acid intake is associated with paraoxonase 1 activity in a cohort-based analysis of 1,548 subjects.** *Lipids in health and disease*
Kim, D. S., Maden, S. K., Burt, A. A., Ranchalis, J. E., Furlong, C. E., Jarvik, G. P.
2013; 12: 183
- **Actionable, Pathogenic Incidental Findings in 1,000 Participants' Exomes** *AMERICAN JOURNAL OF HUMAN GENETICS*
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2013; 93 (4): 631-640
- **Pharmacogenetics of paraoxonase activity: elucidating the role of high-density lipoprotein in disease.** *Pharmacogenomics*
Kim, D. S., Marsillach, J., Furlong, C. E., Jarvik, G. P.
2013; 14 (12): 1495-515
- **Postoperative electroencephalographic seizures are associated with deficits in executive function and social behaviors at 4 years of age following cardiac surgery in infancy.** *The Journal of thoracic and cardiovascular surgery*
Gaynor, J. W., Jarvik, G. P., Gerdes, M., Kim, D. S., Rajagopalan, R., Bernbaum, J., Wernovsky, G., Nicolson, S. C., Spray, T. L., Clancy, R. R.
2013; 146 (1): 132-7
- **Novel gene-by-environment interactions: APOB and NPC1L1 variants affect the relationship between dietary and total plasma cholesterol.** *Journal of lipid research*
Kim, D. S., Burt, A. A., Ranchalis, J. E., Jarvik, E. R., Rosenthal, E. A., Hatsukami, T. S., Furlong, C. E., Jarvik, G. P.
2013; 54 (5): 1512-20
- **Novel common and rare genetic determinants of paraoxonase activity: FTO, SERPINA12, and ITGAL.** *Journal of lipid research*
Kim, D. S., Burt, A. A., Crosslin, D. R., Robertson, P. D., Ranchalis, J. E., Boyko, E. J., Nickerson, D. A., Furlong, C. E., Jarvik, G. P.
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- **Dietary cholesterol increases paraoxonase 1 enzyme activity.** *Journal of lipid research*
Kim, D. S., Burt, A. A., Ranchalis, J. E., Richter, R. J., Marshall, J. K., Nakayama, K. S., Jarvik, E. R., Eintracht, J. F., Rosenthal, E. A., Furlong, C. E., Jarvik, G. P.
2012; 53 (11): 2450-8
- **Results of genome-wide analyses on neurodevelopmental phenotypes at four-year follow-up following cardiac surgery in infancy.** *PloS one*
Kim, D. S., Stanaway, I. B., Rajagopalan, R., Bernbaum, J. C., Sotol, C. B., Burnham, N., Zackai, E. H., Clancy, R. R., Nicolson, S. C., Gerdes, M., Nickerson, D. A., Hakonarson, H., Gaynor, et al
2012; 7 (9): e45936
- **Additional Common Polymorphisms in the PON Gene Cluster Predict PON1 Activity but Not Vascular Disease.** *Journal of lipids*
Kim, D. S., Burt, A. A., Ranchalis, J. E., Richter, R. J., Marshall, J. K., Eintracht, J. F., Rosenthal, E. A., Furlong, C. E., Jarvik, G. P.
2012; 2012: 476316