



## Juyong Brian Kim

Assistant Professor of Medicine (Cardiovascular Medicine)  
Medicine - Cardiovascular Medicine

### CLINICAL OFFICE (PRIMARY)

- **Cardiovascular Medicine**

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### Bio

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### CLINICAL FOCUS

- Coronary Artery Disease
- Acute Coronary Syndrome
- Percutaneous Coronary Intervention
- Aortic Valve Stenosis
- Transcatheter Aortic Valve Replacement
- Hypertension
- hyperlipidemia
- Prevention
- Interventional Cardiology

### ACADEMIC APPOINTMENTS

- Assistant Professor-Univ Med Line, Medicine - Cardiovascular Medicine
- Member, Bio-X
- Member, Cardiovascular Institute

### PROFESSIONAL EDUCATION

- Medical Education: New York University School of Medicine (2006) NY
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2024)
- Board Certification: Interventional Cardiology, American Board of Internal Medicine (2024)
- Fellowship, Stanford University School of Medicine , General Cardiology (2015)
- Fellowship, Stanford University School of Medicine , Interventional Cardiology (2014)
- Residency: UCLA Medical Center Internal Medicine (2009) CA

- MPH, Mailman School of Public Health, Columbia University , Health Policy (2006)
- BS, Massachusetts Institute of Technology , ChemE/Biology (2001)

## LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>
- The Cardiovascular Link to Environmental ActioN (CLEAN) Lab: <http://med.stanford.edu/kimlab.html>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

The lifetime risk of developing cardiovascular disease (CVD) is determined by the genetic makeup and exposure to modifiable risk factors. The Cardiovascular Link to Environmental ActioN (CLEAN) Lab is interested in understanding how various environmental pollutants (eg. tobacco, e-cigarettes, air pollution and wildfire) interact with genes to affect the transcriptome, epigenome, and eventually disease phenotype of CVD. The current focus is to investigate how different toxic exposures can adversely remodel the vascular wall leading to increased cardiac events. We intersect human genomic discoveries with animal models of disease, in-vitro and in-vivo systems of exposure, single-cell sequencing technologies to solve these questions. Additionally, we collaborate with various members of the Stanford community to develop biomarkers that will aid with detection and prognosis of CVD. We are passionate about the need to reduce the environmental effects on health through strong advocacy and outreach.  
(<http://kimlab.stanford.edu>)

### CLINICAL TRIALS

- A Study of Milvexian in Participants After a Recent Acute Coronary Syndrome, Recruiting
- Epicardial Delivery of XC001 Gene Therapy for Refractory Angina Coronary Treatment (The EXACT Trial), Not Recruiting

## Teaching

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### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Siwen Zheng, isabella damiani

#### Postdoctoral Research Mentor

isabella damiani

## Publications

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### PUBLICATIONS

- **Pilot proteomics study for identifying a pollution exposure signature in firefighters.** *Journal of exposure science & environmental epidemiology*  
Ding, V. Y., Lu, D., Ji, Y., Johnson, M. M., Haddad, F., Kim, J. B., Horne, B. D., Park, J. A., Nadeau, K. C., Desai, M., Maecker, H. T.  
2026
- **Workplace Pollution and Risk of Incident Coronary Artery Disease.** *medRxiv : the preprint server for health sciences*  
Gao, H., Jarr, K. U., Kojima, Y., Xiong, T., Kim, J. B., Cheng, P., Trasande, L., Peters, A., Pasterkamp, G., Giannarelli, C., Leeper, N. J.  
2026
- **Reframing Cardiovascular Interventions in Cancer Patients: Emerging Evidence and Evolving Paradigms** *CURRENT TREATMENT OPTIONS IN CARDIOVASCULAR MEDICINE*  
Kabir, R., Fearon, W., Kim, J.  
2026; 28 (1)

- **Chronic Electronic Cigarette Exposure Promotes Atherosclerosis and Chondrogenic Modulation of Smooth Muscle Cells**  
Damiani, I., Weldy, C., Zhao, Q., Hurtado Solberg, E., Qin, G., Easwaran, M., Basu, S., Gu, W., Worssam, M., Monteiro, J., Zheng, S., Kaur Bahia, G., Kundu, et al  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **The Relationship Between Race and Post-TAVR Bleeding Outcomes: Analysis from the Trans-Pacific TAVR (TP-TAVR) Registry**  
Iyer, M., Tanaka, J., Fearon, W., Yeung, A., Park, D., Park, S., Ahn, J., Kang, D., Cantey, E., Flaherty, J., Kim, J.  
ELSEVIER SCIENCE INC.2025
- **A cell and transcriptome atlas of human arterial vasculature.** *Cell genomics*  
Zhao, Q., Pedroza, A., Sharma, D., Gu, W., Dalal, A., Weldy, C., Jackson, W., Li, D. Y., Ryan, Y., Nguyen, T., Shad, R., Palmisano, B. T., Monteiro, et al  
2025: 101034
- **Enhancer-targeting CRISPR screens at coronary artery disease loci suggest shared mechanisms of disease risk.** *medRxiv : the preprint server for health sciences*  
Ramste, M., Weldy, C., Kundu, S., Zhao, Q., Li, D., Brand, K., Sharma, D., Ramste, A., Jagoda, E., Ray, J., Caceres, R. D., Galante, J., Gschwind, et al  
2025
- **Body Mass Index and Outcomes After Transcatheter Aortic Valve Replacement: Insights From the Transpacific-TAVR Registry.** *JACC. Asia*  
Cantey, E. P., Samhan, A., Baldridge, A. S., Malaisrie, S. C., Davidson, C. J., Yeung, A. C., Fearon, W. F., Kang, D. Y., Park, S. J., Park, D. W., Flaherty, J. D.  
2025; 5 (9): 1124-1133
- **Latent Effects of Wildfire Particulate Matter on Resting Heart Rate Measured With Wearable Devices.** *Circulation. Arrhythmia and electrophysiology*  
Cheong, S. M., Perez, M., Jung, Y. S., Kim, B., Nadeau, K.  
2025: e013836
- **In-bedroom renewed air as anti-inflammatory adjuvant therapy in cancer survivors: BREATHS trial**  
Hernandez-Garcia, E., Edkins, A., Chrysikou, E., Ordonez-Mena, J. M., Nekhlyudov, L., Kim, J., Mclean, G., Frost, H.  
LIPPINCOTT WILLIAMS & WILKINS.2025: TPS12136
- **Environmental pollutants and atherosclerosis: Epigenetic mechanisms linking genetic risk and disease.** *Atherosclerosis*  
Damiani, I., Solberg, E. H., Iyer, M., Cheng, P., Weldy, C. S., Kim, J. B.  
2025: 119131
- **Combined Effect of Air Pollution and Genetic Risk on Incident Cardiovascular Diseases.** *Journal of the American Heart Association*  
Rhee, T. M., Ji, Y., Yang, S., Lee, H., Park, J. B., Kim, H. K., Kim, Y. J., Kim, J. B., Won, S., Lee, S. P.  
2024: e033497
- **Sex-Specific Disparities in Clinical Outcomes After Transcatheter Aortic Valve Replacement Among Different Racial Populations.** *JACC. Asia*  
Kim, M., Kang, D. Y., Ahn, J. M., Kim, J. B., Yeung, A. C., Nishi, T., Fearon, W. F., Cantey, E. P., Flaherty, J. D., Davidson, C. J., Malaisrie, S. C., Kim, H. J., Lee, et al  
2024; 4 (4): 292-302
- **Associations of Sarcopenia and Body Composition Measures With Mortality After Transcatheter Aortic Valve Replacement.** *Circulation. Cardiovascular interventions*  
Stein, E. J., Neill, C., Nair, S., Terry, J. G., Carr, J. J., Fearon, W. F., Elmariah, S., Kim, J. B., Kapadia, S., Kumbhani, D. J., Gillam, L., Whisenant, B., Quader, et al  
2024: e013298
- **Association of Depression and Cognitive Dysfunction With Patient-Centered Outcomes After Transcatheter Aortic Valve Replacement.** *Circulation. Cardiovascular interventions*  
El-Sabawi, B., Cloud, H., Patel, J. N., Bell, S. P., Elmariah, S., Fearon, W. F., Kim, J. B., Piana, R. N., Kapadia, S. R., Kumbhani, D. J., Gillam, L. D., Whisenant, B. K., Quader, et al  
2023: e012875
- **Metabolic Signatures of Cardiac Dysfunction, Multimorbidity, and Post-Transcatheter Aortic Valve Implantation Death.** *Journal of the American Heart Association*

- Perry, A. S., Zhao, S., Murthy, V., Gupta, D. K., Fearon, W. F., Kim, J. B., Kapadia, S., Kumbhani, D. J., Gillam, L., Whisenant, B., Quader, N., Zajarias, A., Mallugari, et al  
2023: e029542
- **Air Pollution, Built Environment, and Early Cardiovascular Disease.** *Circulation research*  
Zhang, K., Brook, R. D., Li, Y., Rajagopalan, S., Kim, J. B.  
2023; 132 (12): 1707-1724
  - **Race-Specific Impact of Conventional Surgical Risk Score on 1-Year Mortality After Transcatheter Aortic Valve Replacement.** *JACC. Asia*  
Kim, H., Kang, D. Y., Ahn, J. M., Kim, J. B., Yeung, A. C., Nishi, T., Fearon, W. F., Cantey, E. P., Flaherty, J. D., Davidson, C. J., Malaisrie, S. C., Kim, N., Kim, et al  
2023; 3 (3): 376-387
  - **Reduced Pulmonary Artery Distensibility Predicts Persistent Pulmonary Hypertension and 2-Year Mortality in Patients with Severe Aortic Stenosis Undergoing TAVR.** *Academic radiology*  
Turner, V., Maret, E., Kim, J. B., Codari, M., Hinostroza, V., Mastrodicasa, D., Watkins, A. C., Fearon, W. F., Fischbein, M. P., Haddad, F., Willemink, M. J., Fleischmann, D.  
2023
  - **Discovery of Transacting Long Noncoding RNAs That Regulate Smooth Muscle Cell Phenotype.** *Circulation research*  
Shi, H., Nguyen, T., Zhao, Q., Cheng, P., Sharma, D., Kim, H. J., Brian Kim, J., Wirka, R., Weldy, C. S., Monteiro, J. P., Quertermous, T.  
2023
  - **Correction: Immune biomarkers link air pollution exposure to blood pressure in adolescents.** *Environmental health : a global access science source*  
Prunicki, M., Cauwenberghs, N., Ataam, J. A., Movassagh, H., Kim, J. B., Kuznetsova, T., Wu, J. C., Maecker, H., Haddad, F., Nadeau, K.  
2022; 21 (1): 117
  - **Modulation of mouse laryngeal inflammatory and immune cell responses by low and high doses of mainstream cigarette smoke.** *Scientific reports*  
Easwaran, M., Martinez, J. D., Kim, J. B., Erickson-DiRenzo, E.  
2022; 12 (1): 18667
  - **Global Longitudinal Strain and Biomarkers of Cardiac Damage and Stress as Predictors of Outcomes After Transcatheter Aortic Valve Implantation.** *Journal of the American Heart Association*  
Perry, A. S., Stein, E. J., Biersmith, M., Fearon, W. F., Elmariah, S., Kim, J. B., Clark, D. E., Patel, J. N., Gonzales, H., Baker, M., Piana, R. N., Mallugari, R. R., Kapadia, et al  
2022: e026529
  - **Differential Prognostic Impact of Conventional Surgical Risk Score on One-Year Mortality After Transcatheter Aortic Valve Replacement Among Asian and Non- Asian Populations: Insights From the Multinational Multicenter TP-TAVR Registry**  
Kim, H., Kang, D., Ahn, J., Kim, J., Yeung, A., Fearon, W., Cantey, E., Flaherty, J., Davidson, C., Malaisrie, S., Kim, M., Lee, J., Park, et al  
ELSEVIER SCIENCE INC.2022: B208-B209
  - **Dissecting the Genomics of Spontaneous Coronary Artery Dissection.** *Circulation. Genomic and precision medicine*  
Weldy, C. S., Murtha, R., Kim, J. B.  
2022: 101161CIRCGEN122003867
  - **Smad3 regulates smooth muscle cell fate and mediates adverse remodeling and calcification of the atherosclerotic plaque.** *Nature cardiovascular research*  
Cheng, P., Wirka, R. C., Kim, J. B., Kim, H. J., Nguyen, T., Kundu, R., Zhao, Q., Sharma, D., Pedroza, A., Nagao, M., Iyer, D., Fischbein, M. P., Quertermous, et al  
2022; 1 (4): 322-333
  - **Left Ventricular Hypertrophy and Biomarkers of Cardiac Damage and Stress in Aortic Stenosis.** *Journal of the American Heart Association*  
Stein, E. J., Fearon, W. F., Elmariah, S., Kim, J. B., Kapadia, S., Kumbhani, D. J., Gillam, L., Whisenant, B., Quader, N., Zajarias, A., Welt, F. G., Bavry, A. A., Coylewright, et al  
2022: e023466
  - **Inter-racial differences in patients undergoing transcatheter aortic valve implantation.** *Heart (British Cardiac Society)*  
Kang, D., Ahn, J., Kim, J. B., Yeung, A., Nishi, T., Fearon, W., Cantey, E. P., Flaherty, J. D., Davidson, C. J., Malaisrie, S. C., Park, S. Y., Yun, S., Ko, et al

1800

- **ZEB2 Shapes the Epigenetic Landscape of Atherosclerosis** *Circulation*  
Cheng, P., Wirka, R. C., Clarke, L., Zhao, Q., Kundu, R., Nguyen, T., Nair, S., Sharma, D., Kim, H., Shi, H., Assimes, T., Kim, J., Kundaje, et al  
2022; 145 (6): 469–485
- **Distance between valvular leaflet and coronary ostium predicting risk of coronary obstruction during TAVR.** *International journal of cardiology. Heart & vasculature*  
Oh, J., Kobayashi, Y., Kang, G., Nishi, T., Willemink, M. J., Fearon, W. F., Fischbein, M., Fleishmann, D., Yeung, A. C., Kim, J. B.  
1800; 37: 100917
- **Racial Differences in the Incidence and Impact of Prosthesis-Patient Mismatch After Transcatheter Aortic Valve Replacement.** *JACC. Cardiovascular interventions*  
Park, H., Ahn, J., Kang, D., Kim, J. B., Yeung, A. C., Nishi, T., Fearon, W. F., Cantey, E. P., Flaherty, J. D., Davidson, C. J., Malaisrie, S. C., Kim, S., Yun, et al  
2021
- **CTA pulmonary artery enlargement in patients with severe aortic stenosis: Prognostic impact after TAVR.** *Journal of cardiovascular computed tomography*  
Turner, V. L., Jubran, A., Kim, J. B., Maret, E., Moneghetti, K. J., Haddad, F., Amsallem, M., Codari, M., Hinostroza, V., Mastrodicasa, D., Sailer, A. M., Kobayashi, Y., Nishi, et al  
2021
- **Immune biomarkers link air pollution exposure to blood pressure in adolescents.** *Environmental health : a global access science source*  
Prunicki, M., Cauwenberghs, N., Ataam, J. A., Movassagh, H., Kim, J. B., Kuznetsova, T., Wu, J. C., Maecker, H., Haddad, F., Nadeau, K.  
2020; 19 (1): 108
- **Quantifying the Influence of Wedge Pressure, Age, and Heart Rate on the Systolic Thresholds for Detection of Pulmonary Hypertension.** *Journal of the American Heart Association*  
Amsallem, M., Tedford, R. J., Denault, A., Sweatt, A. J., Guihaire, J., Hedman, K., Peighambari, S., Kim, J. B., Li, X., Miller, R. J., Mercier, O., Fadel, E., Zamanian, et al  
2020: e016265
- **The Environment-Sensing Aryl-Hydrocarbon Receptor Inhibits the Chondrogenic Fate of Modulated Smooth Muscle Cells in Atherosclerotic Lesions.** *Circulation*  
Kim, J. B., Zhao, Q. n., Nguyen, T. n., Pjanic, M. n., Cheng, P. n., Wirka, R. n., Travisano, S. n., Nagao, M. n., Kundu, R. n., Quertermous, T. n.  
2020
- **Spontaneous Coronary Artery Dissection and ST-Segment Elevation Myocardial Infarction in an Anomalous LAD Artery** *JACC: Case Reports*  
Kang, G., Sarraju, A., Nishi, T., Rogers, I., Tremmel, J., Kim, J.  
2020
- **Molecular mechanisms of coronary disease revealed using quantitative trait loci for TCF21 binding, chromatin accessibility, and chromosomal looping.** *Genome biology*  
Zhao, Q. n., Dacre, M. n., Nguyen, T. n., Pjanic, M. n., Liu, B. n., Iyer, D. n., Cheng, P. n., Wirka, R. n., Kim, J. B., Fraser, H. B., Quertermous, T. n.  
2020; 21 (1): 135
- **Immunologic effects of forest fire exposure show increases in IL-1 $\beta$  and CRP.** *Allergy*  
Prunicki, M. M., Dant, C. C., Cao, S. n., Maecker, H. n., Haddad, F. n., Kim, J. B., Snyder, M. n., Wu, J. n., Nadeau, K. n.  
2020
- **Cumulative Lifetime Burden of Cardiovascular Disease From Early Exposure to Air Pollution.** *Journal of the American Heart Association*  
Kim, J. B., Prunicki, M. n., Haddad, F. n., Dant, C. n., Sampath, V. n., Patel, R. n., Smith, E. n., Akdis, C. n., Balmes, J. n., Snyder, M. P., Wu, J. C., Nadeau, K. C.  
2020; 9 (6): e014944
- **Coronary Disease Associated Gene TCF21 Inhibits Smooth Muscle Cell Differentiation by Blocking the Myocardin-Serum Response Factor Pathway.** *Circulation research*  
Nagao, M., Lyu, Q., Zhao, Q., Wirka, R. C., Bagga, J., Nguyen, T., Cheng, P., Kim, J. B., Pjanic, M., Miano, J. M., Quertermous, T.  
2019

- **Utility of High-Sensitivity and Conventional Troponin in Patients Undergoing Transcatheter Aortic Valve Replacement: Incremental Prognostic Value to B-type Natriuretic Peptide.** *Scientific reports*  
Kobayashi, Y., Kim, J. B., Moneghetti, K. J., Fischbein, M., Lee, A., Watkins, C. A., Yeung, A. C., Liang, D., Ozen, M. O., Demirci, U., Bowen, R., Fearon, W. F., Haddad, et al  
2019; 9 (1): 14936
- **Aortic Lumen Area Modifies the Association Between Aortic Calcification and Mortality After Transcatheter Aortic Valve Replacement**  
Rangavajla, G., Fearon, W., Elmariah, S., Kim, J., Gillam, L., Carr, J., Quader, N., Whisenant, B., Kapadia, S., Kumbhani, D., Bavry, A., Welt, F., Coylewright, et al  
ELSEVIER SCIENCE INC.2019: B701
- **PM2.5 concentration in the ambient air is a risk factor for the development of high-risk coronary plaques.** *European heart journal cardiovascular Imaging*  
Yang, S., Lee, S., Park, J., Lee, H., Kang, S., Lee, S., Kim, J. B., Choi, S., Kim, Y., Chang, H.  
2019
- **Atheroprotective roles of smooth muscle cell phenotypic modulation and the TCF21 disease gene as revealed by single-cell analysis.** *Nature medicine*  
Wirka, R. C., Wagh, D., Paik, D. T., Pjanic, M., Nguyen, T., Miller, C. L., Kundu, R., Nagao, M., Collier, J., Koyano, T. K., Fong, R., Woo, Y. J., Liu, et al  
2019
- **TCF21 and AP-1 interact through epigenetic modifications to regulate coronary artery disease gene expression** *GENOME MEDICINE*  
Zhao, Q., Wirka, R., Trieu Nguyen, Nagao, M., Cheng, P., Miller, C. L., Kim, J., Pjanic, M., Quertermous, T.  
2019; 11
- **Incremental value of calcifications of the aortomitral continuity after transcatheter aortic valve replacement.** *Radiology: Cardiothoracic Imaging*  
Willemink, M. J., Maret, E., Moneghetti, K., Kim, J. B., Haddad, F., , et al  
2019; 1 (5)
- **Incremental Value of Aortomitral Continuity Calcification for Risk Assessment after Transcatheter Aortic Valve Replacement.** *Radiology. Cardiothoracic imaging*  
Willemink, M. J., Maret, E. n., Moneghetti, K. J., Kim, J. B., Haddad, F. n., Kobayashi, Y. n., Nishi, T. n., Nieman, K. n., Cauwenberghs, N. n., Kuznetsova, T. n., Higashigaito, K. n., Sailer, A. M., Yeung, et al  
2019; 1 (5): e190067
- **TCF21 and AP-1 interact through epigenetic modifications to regulate coronary artery disease gene expression.** *Genome medicine*  
Zhao, Q. n., Wirka, R. n., Nguyen, T. n., Nagao, M. n., Cheng, P. n., Miller, C. L., Kim, J. B., Pjanic, M. n., Quertermous, T. n.  
2019; 11 (1): 23
- **Single Cell Characterization of Smooth Muscle Cell Phenotypic Modulation in vivo Reveals a Critical Role for the Coronary Disease Gene Tcf21 in Mice and Humans**  
Wirka, R., Kim, J. B., Wagh, D., Paik, D. T., Pjanic, M., Nguyen, T., Miller, C., Kundu, R. K., Collier, J., Zhu Kuixi, Chang, R., Koyano, T. K., Fong, R., et al  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Cytokines profile of reverse cardiac remodeling following transcatheter aortic valve replacement.** *International journal of cardiology*  
Kim, J. B., Kobayashi, Y., Kuznetsova, T., Moneghetti, K. J., Brenner, D. A., O'Malley, R., Dao, C., Wu, J. C., Fischbein, M., Craig Miller, D., Yeung, A. C., Liang, D., Haddad, et al  
2018; 270: 83–88
- **Cytokines profile of reverse cardiac remodeling following transcatheter aortic valve replacement** *INTERNATIONAL JOURNAL OF CARDIOLOGY*  
Kim, J., Kobayashi, Y., Kuznetsova, T., Moneghetti, K. J., Brenner, D. A., O'Malley, R., Dao, C., Wu, J. C., Fischbein, M., Miller, D., Yeung, A. C., Liang, D., Haddad, et al  
2018; 270: 83–88
- **Coronary artery disease genes SMAD3 and TCF21 promote opposing interactive genetic programs that regulate smooth muscle cell differentiation and disease risk** *PLOS GENETICS*  
Iyer, D., Zhao, Q., Wirka, R., Naravane, A., Trieu Nguyen, Liu, B., Nagao, M., Cheng, P., Miller, C. L., Kim, J., Pjanic, M., Quertermous, T.  
2018; 14 (10)

- **Expanding transcatheter aortic valve replacement into uncharted indications.** *The Korean journal of internal medicine*  
Kang, G., Kim, J. B.  
2018; 33 (3): 474–82
- **Coronary artery disease genes SMAD3 and TCF21 promote opposing interactive genetic programs that regulate smooth muscle cell differentiation and disease risk.** *PLoS genetics*  
Iyer, D. n., Zhao, Q. n., Wirka, R. n., Naravane, A. n., Nguyen, T. n., Liu, B. n., Nagao, M. n., Cheng, P. n., Miller, C. L., Kim, J. B., Pjanic, M. n., Quertermous, T. n.  
2018; 14 (10): e1007681
- **Dynamic changes in aortic impedance after transcatheter aortic valve replacement and its impact on exploratory outcome.** *international journal of cardiovascular imaging*  
Kobayashi, Y., Kim, J. B., Moneghetti, K. J., Kobayashi, Y., Zhang, R., Brenner, D. A., O'Malley, R., Schnittger, I., Fischbein, M., Miller, D. C., Yeung, A. C., Liang, D., Haddad, et al  
2017
- **TCF21 and the environmental sensor aryl-hydrocarbon receptor cooperate to activate a pro-inflammatory gene expression program in coronary artery smooth muscle cells.** *PLoS genetics*  
Kim, J. B., Pjanic, M., Nguyen, T., Miller, C. L., Iyer, D., Liu, B., Wang, T., Sazonova, O., Carcamo-Orive, I., Matic, L. P., Maegdefessel, L., Hedin, U., Quertermous, et al  
2017; 13 (5)
- **THE INFLAMMASOME PATHWAY IS ASSOCIATED WITH ADVERSE VENTRICULAR REMODELING FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT**  
Kim, J., Kobayashi, Y., Kouznetsova, T., Moneghetti, K., Brenner, D., O'Malley, R., Dao, C., Schnittger, I., Liang, D., Wu, J., Fischbein, M., Lee, A., Miller, et al  
ELSEVIER SCIENCE INC.2017: 1040
- **GDF-15 (Growth Differentiation Factor 15) Is Associated With Lack of Ventricular Recovery and Mortality After Transcatheter Aortic Valve Replacement.** *Circulation. Cardiovascular interventions*  
Kim, J. B., Kobayashi, Y. n., Moneghetti, K. J., Brenner, D. A., O'Malley, R. n., Schnittger, I. n., Wu, J. C., Murtagh, G. n., Beshiri, A. n., Fischbein, M. n., Miller, D. C., Liang, D. n., Yeung, et al  
2017; 10 (12)
- **Moving Beyond Linear Formulas for Left Ventricular Mass in Aortic Valve Replacement** *Structural Heart*  
Moneghetti, K. J., Bouajila, S., Kobayashi, Y., Kim, J., Fearon, W., Haddad, F.  
2017
- **A Computational Framework for Age-at-Death Estimation from the Skeleton: Surface and Outline Analysis of 3D Laser Scans of the Adult Pubic Symphysis** *Journal of Forensic Sciences*  
Stoyanova, D. F., Algee-Hewitt, B. F., Kim, J., Slice, D.  
2017
- **Moving beyond linear formulas for left ventricular mass in aortic valve replacement** *Structural Heart: The Journal of the Heart Team*  
Moneghetti, K. J., Bouajila, S., Kobayashi, Y., Kim, J. B., Fearon, W., Haddad, F.  
2017; 1 (2)
- **Incremental Value of Deformation Imaging and Hemodynamics Following Heart Transplantation: Insights From Graft Function Profiling.** *JACC. Heart failure*  
Kobayashi, Y. n., Sudini, N. L., Rhee, J. W., Aymami, M. n., Moneghetti, K. J., Bouajila, S. n., Kobayashi, Y. n., Kim, J. B., Schnittger, I. n., Teuteberg, J. J., Khush, K. K., Fearon, W. F., Haddad, et al  
2017; 5 (12): 930–39
- **Genetics and Genomics of Coronary Artery Disease.** *Current cardiology reports*  
Pjanic, M., Miller, C. L., Wirka, R., Kim, J. B., Direnzo, D. M., Quertermous, T.  
2016; 18 (10): 102–?
- **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–?

- **Effects of combined treatment with arsenic trioxide and itraconazole in patients with refractory metastatic basal cell carcinoma** *JAMA Dermatology*  
Sarin, K. Y., Ally, M. S., Ransohoff, K. J., Atwood, S. X., Rezaee, M.  
2016; 1–5
- **Coronary Artery Disease Associated Transcription Factor TCF21 Regulates Smooth Muscle Precursor Cells that Contribute to the Fibrous Cap.** *Genomics data*  
Nurnberg, S. T., Cheng, K., Raiesdana, A., Kundu, R., MILLER, C. L., Kim, J. B., Arora, K., Carcamo-Oribe, I., Xiong, Y., Tellakula, N., Nanda, V., Murthy, N., Boisvert, et al  
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