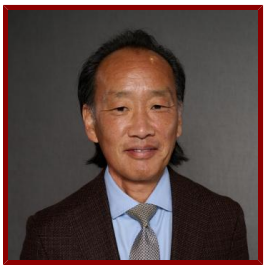
Stanford



Philip S. Tsao, PhD

Professor (Research) of Medicine (Cardiovascular Medicine)

Medicine - Cardiovascular Medicine

Bio

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- Executive Committee, Stanford Cardiovascular Institute, (2010- present)
- Member, Stanford Diabetes Research Center, (2018- present)
- Co-Director, Cardiovascular Pulmonary Sciences Application, (2005-2018)

HONORS AND AWARDS

- Department of Medicine Teaching Award, Stanford (2003)
- Fellow, Arteriosclerosis, Thrombosis, and Vascular Biology Council of the American Heart Association (2003)
- Established Investigator Award, American Heart Association (2008)

PROFESSIONAL EDUCATION

- PhD, Thomas Jefferson University , Cardiovascular Physiology (1991)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Our primary interests are in understanding the molecular underpinnings of vascular disease as well as assessing disease risk. We use a wide range of biochemical, molecular and physiological techniques to make primary observations in cell systems as well as preclinical models. Furthermore, we continue to extend our findings to human subjects in order to confirm their clinical applicability. Current research projects include:

Mechanisms regulating atherosclerosis and abdominal aortic aneurysm disease: While single genes can have dramatic effects in cellular biology, it is becoming increasingly clear that vascular disease (and health) is regulated by the coordinated expression of gene cassettes or pathways. By monitoring expression patterns of the entire genome simultaneously, we can begin to identify networks of genes that work in concert to affect disease progression.

Moreover, this approach can often implicate specific nexus genes that are at the center of larger networks and/or participate in multiple pathways. Additionally, we are investigating the role microRNAs, a newly discovered class of small RNA molecues, in orchestrating the activity of multiple genes during the course of disease.

Role of insulin resistance: Reduced activity of the endogenous hormone, insulin, is now recognized as a cardinal feature of type 2 diabetes and an independent risk factor for cardiovascular disease. We have investigated the effects of insulin resistance in several tissues and have recently focused our attention on adipose tissue biology and how it relates to CVD. Long known as a storage vehicle for excess calories, the fat cell is now recognized to be a factory of different products that can not only affect local activity, but can circulate in the blood as hormones and regulate many biological processes. For example, we have recently reported that the novel hormone, apelin, is produced by fat tissue and has important effects upon insulin resistance, obesity and diabetes, all of which have significant implications for cardiovascular disease.

Biomarkers for risk assessment: In addition to target identification, we are applying transcriptional profiling and pathway analysis for another important aspect of cardiovascular disease management--biomarker discovery. As the name connotes, a biomarker should be a good indication of the disease state and thereby allow for early detection as well as monitoring disease progression and, hopefully, efficacy of an applied therapy. Biomarkers can encompass a wide range of molecules including DNA variants, RNA, proteins, as well as lipids. They can even encompass modalities such as molecular imaging. We are engaged in not only identifying novel biomarkers for cardiovascular disease, but also in producing algorithms that combine multiple biomarkers to optimally assess risk.

CLINICAL TRIALS

- Predicting DVT Risk in GI Cancer Patients Using Plasma Biomarkers, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Yuri Kono, Agnesa Mazrekaj

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Bioengineering (Phd Program)
- Cardiovascular Medicine (Fellowship Program)
- Medicine (Masters Program)
- Molecular and Genetic Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Genome-wide association meta-analysis identifies risk loci for abdominal aortic aneurysm and highlights PCSK9 as a therapeutic target** *NATURE GENETICS*
  Roychowdhury, T., Klarin, D., Levin, M. G., Spin, J. M., Rhee, Y., Deng, A., Headley, C. A., Tsao, N. L., Gellatly, C., Zuber, V., Shen, F., Hornsby, W. E., Laursen, et al
  2023
- **Genome-wide association meta-analysis identifies risk loci for abdominal aortic aneurysm and highlights PCSK9 as a therapeutic target.** *Nature genetics*
  Roychowdhury, T., Klarin, D., Levin, M. G., Spin, J. M., Rhee, Y. H., Deng, A., Headley, C. A., Tsao, N. L., Gellatly, C., Zuber, V., Shen, F., Hornsby, W. E., Laursen, et al

2023

- **E-cigarette exposure augments murine abdominal aortic aneurysm development: role of Chil1.** *Cardiovascular research*
  Mulorz, J., Spin, J. M., Mulorz, P., Wagenhauser, M., Deng, A., Mattern, K., Rhee, Y. H., Toyama, K., Adam, M., Schelzig, H., Maegdefessel, L., Tsao, P. S.
  2022

- **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

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

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

- **Decoding the Genomics of Abdominal Aortic Aneurysm.** *Cell*
  Li, J., Pan, C., Zhang, S., Spin, J. M., Deng, A., Leung, L. L., Dalman, R. L., Tsao, P. S., Snyder, M.
  2018; 174 (6): 1361

- **Segmental Aortic Stiffening Contributes to Experimental Abdominal Aortic Aneurysm Development** *CIRCULATION*
  Raaz, U., Zoellner, A. M., Schellinger, I. N., Toh, R., Nakagami, F., Brandt, M., Emrich, F. C., Kayama, Y., Eken, S., Adam, M., Maegdefessel, L., Hertel, T., Deng, et al
  2015; 131 (20): 1783-1795

- **miR-24 limits aortic vascular inflammation and murine abdominal aneurysm development** *NATURE COMMUNICATIONS*
  Maegdefessel, L., Spin, J. M., Raaz, U., Eken, S. M., Toh, R., Azuma, J., Adam, M., Nagakami, F., Heymann, H. M., Chernugobova, E., Jin, H., Roy, J., Hultgren, et al
  2014; 5

- **Pathogenesis of Abdominal Aortic Aneurysms: MicroRNAs, Proteases, Genetic Associations.** *Annual review of medicine*
  Maegdefessel, L., Dalman, R. L., Tsao, P. S.
  2014; 65: 49-62

- **MicroRNA-21 Blocks Abdominal Aortic Aneurysm Development and Nicotine-Augmented Expansion** *SCIENCE TRANSLATIONAL MEDICINE*
  Maegdefessel, L., Azuma, J., Toh, R., Deng, A., Merk, D. R., Raiesdana, A., Leeper, N. J., Raaz, U., Schoelmerich, A. M., McConnell, M. V., Dalman, R. L., Spin, J. M., Tsao, et al
  2012; 4 (122)

- **Inhibition of microRNA-29b reduces murine abdominal aortic aneurysm development** *JOURNAL OF CLINICAL INVESTIGATION*
  Maegdefessel, L., Azuma, J., Toh, R., Merk, D. R., Deng, A., Chin, J. T., Raaz, U., Schoelmerich, A. M., Raiesdana, A., Leeper, N. J., McConnell, M. V., Dalman, R. L., Spin, et al
  2012; 122 (2): 497-506

- **A narrative review of recent literature of circulating biomarkers of abdominal aortic aneurysm.** *JVS-vascular science*
  Rhee, Y. H., Spin, J. M., Tsao, P. S.
  2026; 7: 100399

- **Carriage of rare APOB variants predisposes to severe steatotic liver disease and hepatocellular carcinoma.** *The Journal of clinical investigation*
  Mureddu, M., Pelusi, S., Jamialahmadi, O., Vujkovic, M., Miano, L., Eidgah Torghabehei, H., Ronzoni, L., Malvestiti, F., Saracino, M., Periti, G., Moretti, V., Teerlink, C. C., Lynch, et al
  2026

- **Genetic and Social Determinants of Renin-Angiotensin-Aldosterone System Inhibitor-Induced Angioedema: A Precision Medicine Health Equity Study.** *medRxiv : the preprint server for health sciences*
  Toda, N., Haldar, T., Teerlink, C. C., Hu, D., Danilov, P., Huntsman, S., Lu, M., Tsao, P. S., Tcheandjieu, C., Iribarren, C., Bress, A., Lynch, J. A., Ziv, et al
  2026

- **Harnessing iPSCs, 3D organoids, and multiomics to model rare vascular diseases: Emerging new approach methodologies.** *Vascular medicine (London, England)*
  Liu, L., Wu, D., Tsao, P. S., Leeper, N. J., Sayed, N.
  2026: 1358863X251394285

- **Opportunistic Genomic Screening for Familial Hypercholesterolemia to Improve Low-Density Lipoprotein Cholesterol: A Randomized Clinical Trial.** *JAMA network open*
  Vassy, J. L., Brunette, C. A., Yi, T., Assimes, T. L., Christensen, K. D., Knowles, J. W., Sturm, A. C., Sun, Y. V., Alexander, N., Cardellino, M. P., Harrison, A., Gerety, H. L., Pyatt, et al
  2026; 9 (1): e2549664

- **Leveraging Large-Scale Biobanks for Therapeutic Target Discovery.** *HGG advances*
  Ferolito, B. R., Dashti, H., Giambartolomei, C., Peloso, G. M., Golden, D. J., Gravel-Pucillo, K., Rasooly, D., Horimoto, A. R., Matty, R., Gaziano, L., Liu, Y., Smit, I. A., Zdrazil, et al
  2025: 100556

- **Stem cell-based therapies for treatment of abdominal aortic aneurysm: development, application, and future potential.** *npj biomedical innovations*
  Badawy, S., Anand, S., Marini, A. X., Mulorz, J., Tsao, P. S., Huang, N. F.
  2025; 2 (1): 41

- **Multipopulation Genome-Wide Association Study Identifies Novel Loci for Bicuspid Aortic Valve and Reveals Shared Genetic Architecture With Aortopathies.** *Circulation. Genomic and precision medicine*
  Bermudez, F., Shakt, G., Bowles, A., Alba, P., Dinatale, T., Chang, K. M., Tsao, P. S., Lynch, J., Dochtermann, D., Pyarajan, S., Small, A., Levin, M. G., Damrauer, et al
  2025: e005491

- **Abstract 4367273: Epigenetic Architecture of Abdominal Aortic Aneurysm and Its Augmented Risk in Smokers: Insights from Methylome-Genome Integration**
  Yuan, S., Shakt, G., Hartmann, K., Levin, M., Tsao, P., Voight, B., Jones, G., Damrauer, S.
  LIPPINCOTT WILLIAMS & WILKINS.2025

- **Genomic Insights into Incretin-Based Therapeutics for Peripheral Arterial Disease**
  Sorondo, S., Cabot, J., Tsao, P., Klarin, D., Leeper, N., Adkar, S.
  LIPPINCOTT WILLIAMS & WILKINS.2025

- **GREGoR: accelerating genomics for rare diseases.** *Nature*
  Dawood, M., Heavner, B., Wheeler, M. M., Ungar, R. A., LoTempio, J., Wiel, L., Berger, S., Bernstein, J. A., Chong, J. X., Délot, E. C., Eichler, E. E., Lupski, J. R., Shojaie, et al
  2025; 647 (8089): 331-342

- **Clinical validation of a statin-benefit polygenic score using real-world cohorts of primary prevention participants.** *medRxiv : the preprint server for health sciences*
  Haldar, T., Lee, K. M., Teerlink, C. C., Iyer, K. R., Voorhees, A. L., Najera, J. A., Toda, N., Lu, M., Douglas, M. P., Popejoy, A. B., Bress, A., Tcheandjieu, C., Tsao, et al
  2025

- **Mendelian Randomization Suggests a Causal Link Between Glycemic Traits and Thoracic Aortic Structures and Diseases.** *JACC. Basic to translational science*
  Daria, T., Iyer, K., Alkhairo, H., Kho, P. F., Suzuki, K., Hatzikotoulas, K., Southam, L., Taylor, H. J., Yin, X., Mandla, R., Huerta-Chagoya, A., Rayner, W. N., Levin, et al
  2025: 101390

- **Polygenic Susceptibility in Peripartum, Alcohol-Induced, and Cancer Therapy-Related Cardiomyopathies.** *JAMA cardiology*
  Maamari, D. J., Biddinger, K. J., Jurgens, S. J., Rämö, J. T., Gaziano, L., Zheng, A., Challa, S. P., Hayes, D., Gongora, C. A., Choi, S. H., Chang, K. M., Tsao, P. S., Arany, et al

2025

- **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

- **Germline Variants Influence Chronic Liver Disease Progression through Distinct Pathways.** *medRxiv : the preprint server for health sciences*
  Vujkovic, M., Kaplan, D. E., Ghouse, J., Loza, B. L., Brancale, J., Lewis, A., Zhang, D. Y., Levin, M. G., Veatch, O. J., Johnson, J. P., Schneider, C. V., Verma, A., Wangensteen, et al
  2025

- **Single-cell polygenic risk scores dissect cellular and molecular heterogeneity of complex human diseases.** *Nature biotechnology*
  Zhang, S., Shu, H., Zhou, J., Rubin-Sigler, J., Yang, X., Liu, Y., Cooper-Knock, J., Monte, E., Zhu, C., Tu, S., Li, H., Tong, M., Ecker, et al
  2025

- **Multi-ancestry polygenic risk scores for the prediction of type 2 diabetes and complications in diverse ancestries.** *medRxiv : the preprint server for health sciences*
  Huerta-Chagoya, A., Kim, J., Mandla, R., Lu, Y., Suzuki, K., Petty, L. E., Ng, H. K., Choi, J., Lee, S., Rout, M., Lin, K., Adair, L. S., Adeyemo, et al
  2025

- **Circulating Protein Mediators Linking Genetically Predicted Smoking to Abdominal Aortic Aneurysm: A Genomic-Proteomic Analysis.** *Arteriosclerosis, thrombosis, and vascular biology*
  Yuan, S., Khodursky, S., Geng, J., Sharma, P., Spin, J. M., Tsao, P., Levin, M. G., Damrauer, S. M.
  2025

- **A genome-wide association study of hidradenitis suppurativa from the VA's Million Veteran Program.** *medRxiv : the preprint server for health sciences*
  Wendland, Z., Teerlink, C. C., Pridgen, K. M., Lo, S., Sayed, C., Van Straalen, K. R., Tcheandjieu, C., Tsao, P. S., Chang, K. M., Li, Y., Mohlke, K. L., Sun, Q., Lynch, et al
  2025

- **MicroRNA-15a-5p mediates abdominal aortic aneurysm progression and serves as a potential diagnostic and prognostic circulating biomarker.** *Communications medicine*
  Winski, G., Chernogubova, E., Busch, A., Eken, S. M., Jin, H., Lindquist Liljeqvist, M., Khan, T., Bäcklund, A., Paloschi, V., Roy, J., Hultgren, R., Brostjan, C., de Borst, et al
  2025; 5 (1): 218

- **CYP2C19 Polymorphisms and Clinical Outcomes Following Percutaneous Coronary Intervention in the Million Veteran Program.** *Clinical pharmacology and therapeutics*
  Chanfreau-Coffinier, C., Friede, K. A., Plomondon, M. E., Lee, K. M., Lu, Z., Dinatale, T., DuVall, S. L., Vassy, J. L., Waldo, S. W., Cleator, J. H., Maddox, T. M., Rader, D. J., Assimes, et al
  2025

- **Genome-wide Association Study of Lower Extremity Aneurysms Reveals Shared Genetic Architecture With Abdominal Aortic Aneurysms**
  Cabot, J., Sorondo, S., Adkar, S., Klarin, D., Tsao, P., Levin, M., Damrauer, S.
  MOSBY-ELSEVIER.2025

- **Plasma proteome-wide Mendelian randomization reveals the association of extracellular matrix proteins with abdominal aortic aneurysm.** *JVS-vascular science*
  Khodursky, S., Yuan, S., Spin, J. M., Tsao, P. S., Levin, M. G., Damrauer, S. M.
  2025; 6: 100290

- **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

- **Dissecting the Genetic Architecture of Intracranial Aneurysms.** *Circulation. Genomic and precision medicine*
  Adkar, S. S., Lynch, J., Choi, R. B., Roychowdhury, T., Judy, R. L., Paruchuri, K., Go, D. C., Bamezai, S., Cabot, J., Sorondo, S., Levin, M. G., Milewicz, D. M., Willer, et al
  2025: e004626

- **Heterogeneous effects of genetic variants and traits associated with fasting insulin on cardiometabolic outcomes.** *Nature communications*
  Sevilla-González, M., Smith, K., Wang, N., Jensen, A. E., Litkowski, E. M., Kim, H., DiCorpo, D. A., Hsu, S., Cui, J., Liu, C. T., Yu, C., McNeil, J. J., Lacaze, et al
  2025; 16 (1): 2569

- **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

- **Identifying Circulating Protein Mediators in the Link Between Smoking and Abdominal Aortic Aneurysm: An Integrated Analysis of Human Proteomic and Genomic Data.** *medRxiv : the preprint server for health sciences*
  Yuan, S., Khodursky, S., Geng, J., Sharma, P., Spin, J. M., Tsao, P., Levin, M. G., Damrauer, S. M.
  2025

- **Investigation of Genomic and Transcriptomic Risk Factors of Clopidogrel Response in African Americans.** *Clinical pharmacology and therapeutics*
  Yang, G., Alarcon, C., Chanfreau, C., Lee, N. H., Friedman, P., Nutescu, E., Tuck, M., O'Brien, T., Gong, L., Klein, T. E., Chang, K. M., Tsao, P. S., Meltzer, et al
  2025

- **Plasma proteome-wide Mendelian randomization reveals the association of extracellular matrix proteins with abdominal aortic aneurysm** *JVS-VASCULAR SCIENCE*
  Khodursky, S., Yuan, S., Spin, J. M., Tsao, P. S., Levin, M. G., Damrauer, S. M.
  2025; 6

- **Critical genes in genitourinary embryogenesis are related to the development of adult hydrocele.** *Scientific reports*
  Roberson, J. L., Neylan, C. J., Judy, R., Walker, V., Tsao, P. S., Damrauer, S. M., Maguire, L. H.
  2024; 14 (1): 30314

- **Publisher Correction: Genome-wide association study reveals mechanisms underlying dilated cardiomyopathy and myocardial resilience.** *Nature genetics*
  Jurgens, S. J., Rämö, J. T., Kramarenko, D. R., Wijdeveld, L. F., Haas, J., Chaffin, M. D., Garnier, S., Gaziano, L., Weng, L. C., Lipov, A., Zheng, S. L., Henry, A., Huffman, et al
  2024

- **Genome-wide association analyses identify distinct genetic architectures for age-related macular degeneration across ancestries.** *Nature genetics*
  Gorman, B. R., Voloudakis, G., Igo, R. P., Kinzy, T., Halladay, C. W., Bigdeli, T. B., Zeng, B., Venkatesh, S., Cooke Bailey, J. N., Crawford, D. C., Markianos, K., Dong, F., Schreiner, et al
  2024

- **Genome-wide association study reveals mechanisms underlying dilated cardiomyopathy and myocardial resilience.** *Nature genetics*
  Jurgens, S. J., Rämö, J. T., Kramarenko, D. R., Wijdeveld, L. F., Haas, J., Chaffin, M. D., Garnier, S., Gaziano, L., Weng, L. C., Lipov, A., Zheng, S. L., Henry, A., Huffman, et al
  2024

- **Polygenic Risk Scores and Risk of Drug-induced Liver Injury following initiation of antiretroviral therapy in people living with HIV**
  Cindi, Z., Cardone, K. M., Bradford, Y., Kim, H., Daar, E. S., Gulick, R., Riddler, S. A., Vujkovic, M., Chang, K., Tsao, P. S., Maartens, G., Sinxadi, P., Haas, et al
  WILEY.2024: 351

- **NOVEL GENETIC ARCHITECTURE AND METABOLIC INTERACTIONS FOR ALL-CAUSE CIRRHOSIS AND HEPATOCELLULAR CARCINOMA DEFINED IN MULTI-ANCESTRY META-ANALYSES**
  Vujkovic, M., Kaplan, D., Ghouse, J., Levin, M., Brancale, J., Lewis, A., Veatch, O., Schneider, C., Chang, B., Verma, A., Wangensteen, K., Gill, D., Konkwo, et al
  LIPPINCOTT WILLIAMS & WILKINS.2024: S1992-S1993

- **Plasma proteomics reveals the potential causal impact of extracellular matrix proteins on abdominal aortic aneurysm.** *medRxiv : the preprint server for health sciences*
  Khodursky, S., Yuan, S., Spin, J. M., Tsao, P. S., Levin, M. G., Damrauer, S. M.

2024

- **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
- **Association of Cardiac MRI-derived Aortic Stiffness with Early Stages and Progression of Heart Failure with Preserved Ejection Fraction.** *Radiology. Cardiothoracic imaging*
  Schulz, A., Schellinger, I. N., Backhaus, S. J., Adler, A. S., Lange, T., Evertz, R., Kowallick, J. T., Hoffmann, A., Matek, C., Tsao, P. S., Hasenfuß, G., Raaz, U., Schuster, et al
  2024; 6 (4): e230344
- **Mitochondrial Transplantation Promotes Protective Effector and Memory CD4+ T Cell Response During Mycobacterium Tuberculosis Infection and Diminishes Exhaustion and Senescence in Elderly CD4+ T cells.** *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*
  Headley, C. A., Gautam, S., Olmo-Fontanez, A., Garcia-Vilanova, A., Dwivedi, V., Schami, A., Weintraub, S., Tsao, P. S., Torrelles, J. B., Turner, J.
  2024: e2401077
- **Diversity and scale: Genetic architecture of 2068 traits in the VA Million Veteran Program.** *Science (New York, N.Y.)*
  Verma, A., Huffman, J. E., Rodriguez, A., Conery, M., Liu, M., Ho, Y. L., Kim, Y., Heise, D. A., Guare, L., Panickan, V. A., Garcon, H., Linares, F., Costa, et al
  2024; 385 (6706): eadj1182
- **Abdominal aortic aneurysm and cardiometabolic traits share strong genetic susceptibility to lipid metabolism and inflammation.** *Nature communications*
  Zheng, S., Tsao, P. S., Pan, C.
  2024; 15 (1): 5652
- **Clinical and genetic risk factors for progressive fibrosis in metabolic dysfunction-associated steatotic liver disease.** *Hepatology communications*
  Kaplan, D. E., Teerlink, C. C., Schwantes-An, T. H., Norden-Krichmar, T. M., DuVall, S. L., Morgan, T. R., Tsao, P. S., Voight, B. F., Lynch, J. A., Vujković, M., Chang, K. M.
  2024; 8 (7)
- **Gasdermin D Inhibitor Necrosulfonamide Alleviates Angiotensin II-Induced Abdominal Aortic Aneurysms in Apolipoprotein E-Deficient Mice.** *Biomolecules*
  Guo, J., Zhang, Q., Li, Z., Qin, M., Shi, J., Wang, Y., Ai, W., Ju, J., Samura, M., Tsao, P. S., Xu, B.
  2024; 14 (6)
- **Postdoctoral T32 training is correlated with obtaining an academic primarily research faculty position.** *PloS one*
  Mueller, A. L., Schnirel, A., Kleppner, S., Tsao, P., Leeper, N. J.
  2024; 19 (6): e0303792

- **Deconvolution of polygenic risk score in single cells unravels cellular and molecular heterogeneity of complex human diseases.** *bioRxiv : the preprint server for biology*
  Zhang, S., Shu, H., Zhou, J., Rubin-Sigler, J., Yang, X., Liu, Y., Cooper-Knock, J., Monte, E., Zhu, C., Tu, S., Li, H., Tong, M., Ecker, et al
  2024

- **Integrative common and rare variant analyses provide insights into the genetic architecture of liver cirrhosis.** *Nature genetics*
  Ghouse, J., Sveinbjörnsson, G., Vujkovic, M., Seidelin, A. S., Gellert-Kristensen, H., Ahlberg, G., Tragante, V., Rand, S. A., Brancale, J., Vilarinho, S., Lundegaard, P. R., Sørensen, E., Erikstrup, et al
  2024

- **Type 1 Diabetes Genetic Risk in 109,954 Veterans With Adult-Onset Diabetes: The Million Veteran Program (MVP).** *Diabetes care*
  Yang, P. K., Jackson, S. L., Charest, B. R., Cheng, Y. J., Sun, Y. V., Raghavan, S., Litkowski, E. M., Legvold, B. T., Rhee, M. K., Oram, R. A., Kuklina, E. V., Vujkovic, M., Reaven, et al
  2024

- **A multi-ancestry GWAS of Fuchs corneal dystrophy highlights the contributions of laminins, collagen, and endothelial cell regulation** *COMMUNICATIONS BIOLOGY*
  Gorman, B. R., Francis, M., Nealon, C. L., Halladay, C. W., Duro, N., Markianos, K., Genovese, G., Hysi, P. G., Choquet, H., Afshari, N. A., Li, Y., Tsao, P. S., Gaziano, et al
  2024; 7 (1): 418

- **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

- **Deep learning modeling of rare noncoding genetic variants in human motor neurons definesCCDC146as a therapeutic target for ALS.** *medRxiv : the preprint server for health sciences*
  Zhang, S., Moll, T., Rubin-Sigler, J., Tu, S., Li, S., Yuan, E., Liu, M., Butt, A., Harvey, C., Gornall, S., Alhalthli, E., Shaw, A., Souza, et al
  2024

- **Evaluation of Plasma Biomarkers for Causal Association With Peripheral Artery Disease.** *Arteriosclerosis, thrombosis, and vascular biology*
  Sharma, P., Klarin, D., Voight, B. F., Tsao, P. S., Levin, M. G., Damrauer, S. M.
  2024

- **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

- **Genetic drivers of heterogeneity in type 2 diabetes pathophysiology.** *Nature*
  Suzuki, K., Hatzikotoulas, K., Southam, L., Taylor, H. J., Yin, X., Lorenz, K. M., Mandla, R., Huerta-Chagoya, A., Melloni, G. E., Kanoni, S., Rayner, N. W., Bocher, O., Arruda, et al
  2024

- **Mitochondrial Transplantation promotes protective effector and memory CD4+ T cell response during Mycobacterium tuberculosis infection and diminishes exhaustion and senescence in elderly CD4+ T cells.** *bioRxiv : the preprint server for biology*
  Headley, C. A., Gautam, S., Olmo-Fontanez, A., Garcia-Vilanova, A., Dwivedi, V., Schami, A., Weintraub, S., Tsao, P. S., Torrelles, J. B., Turner, J.
  2024

- **Can Metformin reduce AAA risk? A Mendelian randomisation study**
  Saxby, K., Dudbridge, F., Roychowdhury, T., Klarin, D., Jones, G., Tsao, P., Damrauer, S., Bown, M., Nelson, C.
  SPRINGERNATURE.2024: 416

- **Investigation of genomic and transcriptomic risk factors in clopidogrel response in African Americans.** *medRxiv : the preprint server for health sciences*
  Yang, G., Alarcon, C., Chanfreau, C., Lee, N. H., Friedman, P., Nutescu, E., Tuck, M., O'Brien, T., Gong, L., Klein, T. E., Chang, K. M., Tsao, P. S., Meltzer, et al
  2023

- **Profiling the genome and proteome of metabolic dysfunction-associated steatotic liver disease identifies potential therapeutic targets.** *medRxiv : the preprint server for health sciences*
  Liu, J., Hu, S., Chen, L., Daly, C., Prada Medina, C. A., Richardson, T. G., Traylor, M., Dempster, N. J., Mbasu, R., Monfeuga, T., Vujkovic, M., Tsao, P. S., Lynch, et al
  2023

- **Extracellular Delivery of Functional Mitochondria Rescues the Dysfunction of CD4+T Cells in Aging.** *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*
  Headley, C. A., Gautam, S., Olmo-Fontanez, A., Garcia-Vilanova, A., Dwivedi, V., Akhter, A., Schami, A., Chiem, K., Ault, R., Zhang, H., Cai, H., Whigham, A., Delgado, et al
  2023: e2303664

- **Crosstalk of platelets with macrophages and fibroblasts aggravates inflammation, aortic wall stiffening, and osteopontin release in abdominal aortic aneurysm** *CARDIOVASCULAR RESEARCH*
  Wagenhaeuser, M. U., Mulorz, J., Krott, K. J., Bosbach, A., Feige, T., Rhee, Y. H., Chatterjee, M., Petzold, N., Boeddeker, C., Ibing, W., Krueger, I., Popovic, A. M., Roseman, et al
  2023

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

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

- **Genetic Inhibition of APOL1 Pore-Forming Function Prevents APOL1-Mediated Kidney Disease.** *Journal of the American Society of Nephrology : JASN*
  Hung, A. M., Assimon, V. A., Chen, H., Yu, Z., Vlasschaert, C., Triozzi, J. L., Chan, H., Wheless, L., Wilson, O., Shah, S. C., Mack, T., Thompson, T., Matheny, et al
  2023

- **Admixture mapping of peripheral artery disease in a Dominican population reveals a putative risk locus on 2q35.** *Frontiers in genetics*
  Cullina, S., Wojcik, G. L., Shemirani, R., Klarin, D., Gorman, B. R., Sorokin, E. P., Gignoux, C. R., Belbin, G. M., Pyarajan, S., Asgari, S., Tsao, P. S., Damrauer, S. M., Abul-Husn, et al
  2023; 14: 1181167

- **Serum microRNA-501-3p is a potential diagnostic tool for detecting mild cognitive impairment: Ehime genome study.** *Journal of neurochemistry*
  Toyama, K., Spin, J. M., Tsao, P. S., Maruyama, K., Osawa, H., Mogi, M., Takata, Y.
  2023

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

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

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

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

- **Autoimmune alleles at the major histocompatibility locus modify melanoma susceptibility.** *American journal of human genetics*
  Talwar, J. V., Laub, D., Pagadala, M. S., Castro, A., Lewis, M., Luebeck, G. E., Gorman, B. R., Pan, C., Dong, F. N., Markianos, K., Teerlink, C. C., Lynch, J., Hauger, et al
  2023

- **Genome-wide association study of thoracic aortic aneurysm and dissection in the Million Veteran Program.** *Nature genetics*
  Klarin, D., Devineni, P., Sendamarai, A. K., Angueira, A. R., Graham, S. E., Shen, Y. H., Levin, M. G., Pirruccello, J. P., Surakka, I., Karnam, P. R., Roychowdhury, T., Li, Y., Wang, et al
  2023

- **Genome-Wide Association Study of CKD Progression.** *Journal of the American Society of Nephrology : JASN*
  Robinson-Cohen, C., Triozzi, J. L., Rowan, B., He, J., Chen, H. C., Zheng, N. S., Wei, W. Q., Wilson, O. D., Hellwege, J. N., Tsao, P. S., Gaziano, J. M., Bick, A., Matheny, et al
  2023

- **Author Correction: 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
  2023

- **Genetically proxied glucose-lowering drug target perturbation and risk of cancer: a Mendelian randomisation analysis.** *Diabetologia*
  Yarmolinsky, J., Bouras, E., Constantinescu, A., Burrows, K., Bull, C. J., Vincent, E. E., Martin, R. M., Dimopoulou, O., Lewis, S. J., Moreno, V., Vujkovic, M., Chang, K. M., Voight, et al
  2023

- **Building the case for mitochondrial transplantation as an anti-aging cardiovascular therapy.** *Frontiers in cardiovascular medicine*
  Headley, C. A., Tsao, P. S.
  2023; 10: 1141124

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

- **Multi-ancestry genome-wide study in >2.5 million individuals reveals heterogeneity in mechanistic pathways of type 2 diabetes and complications.** *medRxiv : the preprint server for health sciences*
  Suzuki, K., Hatzikotoulas, K., Southam, L., Taylor, H. J., Yin, X., Lorenz, K. M., Mandla, R., Huerta-Chagoya, A., Rayner, N. W., Bocher, O., Arruda, A. n., Sonehara, K., Namba, et al
  2023

- **Genetics of varicose veins reveals polygenic architecture and genetic overlap with arterial and venous disease** *NATURE CARDIOVASCULAR RESEARCH*
  Levin, M. G., Huffman, J. E., Verma, A., Sullivan, K. A., Rodriguez, A. A., Kainer, D., Garvin, M. R., Lane, M., Cashman, M., Miller, J., Won, H., Li, B., Luo, et al
  2023; 2 (1): 44-+

- **Genetics of varicose veins reveals polygenic architecture and genetic overlap with arterial and venous disease.** *Nature cardiovascular research*
  Levin, M. G., Huffman, J. E., Verma, A., Sullivan, K. A., Rodriguez, A. A., Kainer, D., Garvin, M. R., Lane, M., Cashman, M., Miller, J. I., Won, H., Li, B., Luo, et al
  2023; 2 (1): 44-57

- **IS IT POSSIBLE TO ACCELERATE SENESCENCE IN THE VASCULAR ENDOTHELIAL CELL BY MODULATING SEVERAL MICRORNAS?**
  Toyama, K., Spin, J. M., Tsao, P. S., Mogi, M.
  LIPPINCOTT WILLIAMS & WILKINS.2023: E171

- **Overview of Efforts to Increase Women Enrollment in the Veterans Affairs Million Veteran Program.** *Health equity*
  Whitbourne, S. B., Li, Y., Brewer, J. V., Deen, J., Gutierrez, C., Murphy, S. A., Lord, E., Yan, J., Nguyen, X. T., Tsao, P. S., Gaziano, J. M., Muralidhar, S.
  2023; 7 (1): 324-332

- **Genomics and phenomics of body mass index reveals a complex disease network.** *Nature communications*
  Huang, J., Huffman, J. E., Huang, Y., Do Valle, Í., Assimes, T. L., Raghavan, S., Voight, B. F., Liu, C., Barabási, A. L., Huang, R. D., Hui, Q., Nguyen, X. T., Ho, et al
  2022; 13 (1): 7973

- **Implicating genes, pleiotropy, and sexual dimorphism at blood lipid loci through multi-ancestry meta-analysis.** *Genome biology*
  Kanoni, S., Graham, S. E., Wang, Y., Surakka, I., Ramdas, S., Zhu, X., Clarke, S. L., Bhatti, K. F., Vedantam, S., Winkler, T. W., Locke, A. E., Marouli, E., Zajac, et al
  2022; 23 (1): 268

- **Linking single nucleotide polymorphisms to signaling blueprints in abdominal aortic aneurysms.** *Scientific reports*
  Lim, C., Pratama, M. Y., Rivera, C., Silvestro, M., Tsao, P. S., Maegdefessel, L., Gallagher, K. A., Maldonado, T., Ramkhelawon, B.
  2022; 12 (1): 20990

- **Fibromuscular Dysplasia and Abdominal Aortic Aneurysms Are Dimorphic Sex-Specific Diseases With Shared Complex Genetic Architecture.** *Circulation. Genomic and precision medicine*
  Katz, A. E., Yang, M., Levin, M. G., Tcheandjieu, C., Mathis, M., Hunker, K., Blackburn, S., Eliason, J. L., Coleman, D. M., Fendrikova-Mahlay, N., Gornik, H. L., Karmakar, M., Hill, et al
  2022: e003496

- **Mild-to-Moderate Kidney Dysfunction and Cardiovascular Disease: Observational and Mendelian Randomization Analyses.** *Circulation*
  Gaziano, L., Sun, L., Arnold, M., Bell, S., Cho, K., Kaptoge, S. K., Song, R. J., Burgess, S., Posner, D. C., Mosconi, K., Robinson-Cohen, C., Mason, A., Bolton, et al
  2022

- **A GENOTYPE-FIRST APPROACH TO DEFINING THE HEPATOBILIARY PHENOTYPES IN CARRIERS OF THE AFRICAN-ANCESTRY SPECIFIC ABCB4 MISSENSE VARIANT P.ALA934THR**
  Mezina, A., Vujkovic, M., Park, J., Lynch, J. A., Voight, B. F., Tsao, P. S., Kaplan, D. E., Chang, K., Wangensteen, K., Rader, D. J.
  WILEY.2022: S1283

- **GERMLINE SUSCEPTIBILITY TO HEPATOCELLULAR CARCINOMA AMONG PATIENTS WITH CIRRHOSIS: A GENOME-WIDE ASSOCIATION STUDY**
  Kaplan, D. E., Vujkovic, M., Dochtermann, D., Chang, B., Hoteit, M. A., Wangensteen, K., Keating, B., Shaked, A., Olthoff, K. M., Asrani, S. K., Testa, G., Trotter, J. F., Klintmalm, et al
  WILEY.2022: S182-S183

- **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

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

- **Role of MicroRNAs in acceleration of vascular endothelial senescence.** *Biochemistry and biophysics reports*
  Toyama, K., Spin, J. M., Deng, A. C., Abe, Y., Tsao, P. S., Mogi, M.

2022; 30: 101281

- **Linear slope of serial FIB-4 measurements predicts liver-related complications and correlates with cirrhosis-associated genetic variants among patients with ALT-based NAFLD phenotype**
  Teerlink, C., Kaplan, D. E., Vujkovic, M., Voight, B., Chang, K., Lynch, J., Duvall, S., Anglin, T., Morgan, T., Tae-Hwi, L., Norden-Krichmar, T., Dochterman, D., Devineni, et al
  ELSEVIER.2022: S30-S31

- **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

- **Multiomic analysis reveals cell-type-specific molecular determinants of COVID-19 severity.** *Cell systems*
  Zhang, S., Cooper-Knock, J., Weimer, A. K., Shi, M., Kozhaya, L., Unutmaz, D., Harvey, C., Julian, T. H., Furini, S., Frullanti, E., Fava, F., Renieri, A., Gao, et al
  2022

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

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

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

- **Genome-wide association study and replication of liver enzyme loci**
  Pazoki, R., Vujkovic, M., Elliott, J., Evangelou, E., Gill, D., Ghanbari, M., Van der Most, P. J., Pinto, R., Wielscher, M., Farlik, M., Zuber, V., de Knegt, R. J., Snieder, et al
  SPRINGERNATURE.2022: 47-48

- **A Phenome-Wide Association Study of genes associated with COVID-19 severity reveals shared genetics with complex diseases in the Million Veteran Program.** *PLoS genetics*
  Verma, A., Tsao, N. L., Thomann, L. O., Ho, Y., Iyengar, S. K., Luoh, S., Carr, R., Crawford, D. C., Efird, J. T., Huffman, J. E., Hung, A., Ivey, K. L., Levin, et al
  2022; 18 (4): e1010113

- **Development of a polygenic risk score to improve detection of peripheral artery disease.** *Vascular medicine (London, England)*
  Wang, F., Ghanzouri, I., Leeper, N. J., Tsao, P. S., Ross, E. G.
  2022: 1358863X211067564

- **Genetic and clinical determinants of abdominal aortic diameter: genome-wide association studies, exome array data and Mendelian randomization study.** *Human molecular genetics*
  Portilla-Fernandez, E., Klarin, D., Hwang, S., Biggs, M. L., Bis, J. C., Weiss, S., Rospleszcz, S., Natarajan, P., Hoffmann, U., Rogers, I. S., Truong, Q. A., Volker, U., Dorr, et al
  2022

- **APOL1 Risk Variants, Acute Kidney Injury, and Death in Participants With African Ancestry Hospitalized With COVID-19 From the Million Veteran Program.** *JAMA internal medicine*
  Hung, A. M., Shah, S. C., Bick, A. G., Yu, Z., Chen, H., Hunt, C. M., Wendt, F., Wilson, O., Greevy, R. A., Chung, C. P., Suzuki, A., Ho, Y., Akwo, et al
  1800

- **Leveraging cell-type-specific regulatory networks to interpret genetic variants in abdominal aortic aneurysm.** *Proceedings of the National Academy of Sciences of the United States of America*
  Ma, S., Chen, X., Zhu, X., Tsao, P. S., Wong, W. H.
  1800; 119 (1)

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

- **Million Veteran Program's response to COVID-19: Survey development and preliminary findings.** *PloS one*
  Whitbourne, S. B., Nguyen, X. T., Song, R. J., Lord, E., Lyden, M., Harrington, K. M., Ward, R., Li, Y., Brewer, J. V., Cho, K. M., Djousse, L., Muralidhar, S., Tsao, et al
  2022; 17 (4): e0266381

- **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

- **Preoperative Computed Tomography Angiography Reveals Leaflet-Specific Calcification and Excursion Patterns in Aortic Stenosis.** *Circulation. Cardiovascular imaging*
  Chen, I. Y., Vedula, V., Malik, S. B., Liang, T., Chang, A. Y., Chung, K. S., Sayed, N., Tsao, P. S., Giacomini, J. C., Marsden, A. L., Wu, J. C.
  1800: CIRCIMAGING121012884

- **Trellis for efficient data and task management in the VA Million Veteran Program.** *Scientific reports*
  Ross, P. B., Song, J., Tsao, P. S., Pan, C.
  2021; 11 (1): 23229

- **A Phenome-Wide Association Study of genes associated with COVID-19 severity reveals shared genetics with complex diseases in the Million Veteran Program.** *medRxiv : the preprint server for health sciences*
  Verma, A., Tsao, N., Thomann, L., Ho, Y. L., Iyengar, S., Luoh, S. W., Carr, R., Crawford, D., Efird, J. T., Huffman, J., Hung, A., Ivey, K., Levin, et al
  2021

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

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

- **peri-Adventitial delivery of smooth muscle cells in porous collagen scaffolds for treatment of experimental abdominal aortic aneurysm.** *Biomaterials science*
  Mulorz, J., Shayan, M., Hu, C., Alcazar, C., Chan, A. H., Briggs, M., Wen, Y., Walvekar, A. P., Ramasubramanian, A. K., Spin, J. M., Chen, B., Tsao, P. S., Huang, et al
  2021

- **Dissecting the Shared Genetic Architecture of Suicide Attempt, Psychiatric Disorders, and Known Risk Factors.** *Biological psychiatry*
  Mullins, N., Kang, J., Campos, A. I., Coleman, J. R., Edwards, A. C., Galfalvy, H., Levey, D. F., Lori, A., Shabalin, A., Starnawska, A., Su, M., Watson, H. J., Adams, et al
  2021

- **Regulatory variants in TCF7L2 are associated with thoracic aortic aneurysm.** *American journal of human genetics*
  Roychowdhury, T., Lu, H., Hornsby, W. E., Crone, B., Wang, G. T., Guo, D., Sendamarai, A. K., Devineni, P., Lin, M., Zhou, W., Graham, S. E., Wolford, B. N., Surakka, et al
  2021

- **Nicotine Affects Murine Aortic Stiffness and Fatigue Response During Supraphysiological Cycling.** *Journal of biomechanical engineering*
  Ho, E., Mulorz, J., Wong, J., Wagenhauser, M. U., Tsao, P., Ramasubramanian, A. K., Lee, S. J.
  2021

- **Publisher Correction: A multi-ethnic epigenome-wide association study of leukocyte DNA methylation and blood lipids.** *Nature communications*
  Jhun, M., Mendelson, M., Wilson, R., Gondalia, R., Joehanes, R., Salfati, E., Zhao, X., Braun, K. V., Do, A. N., Hedman, A. K., Zhang, T., Carnero-Montoro, E., Shen, et al
  2021; 12 (1): 4256

- **Genetic Evidence for Repurposing of GLP1R (Glucagon-Like Peptide-1 Receptor) Agonists to Prevent Heart Failure.** *Journal of the American Heart Association*
  Daghlas, I., Karhunen, V., Ray, D., Zuber, V., Burgess, S., Tsao, P. S., Lynch, J. A., Lee, K. M., Voight, B. F., Chang, K., Baker, E. H., Damrauer, S. M., Howson, et al
  2021: e020331

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

- **Prioritizing the Role of Major Lipoproteins and Subfractions as Risk Factors for Peripheral Artery Disease.** *Circulation*
  Levin, M. G., Zuber, V., Walker, V. M., Klarin, D., Lynch, J., Malik, R., Aday, A. W., Bottolo, L., Pradhan, A. D., Dichgans, M., Chang, K., Rader, D. J., Tsao, et al
  2021

- **Genetic Determinants of Peripheral Artery Disease.** *Circulation research*
  Klarin, D., Tsao, P. S., Damrauer, S. M.
  2021; 128 (12): 1805-1817

- **MicroRNA miR-29b regulates diabetic aortic remodeling and stiffening.** *Molecular therapy. Nucleic acids*
  Schellinger, I. N., Wagenhauser, M., Chodisetti, G., Mattern, K., Dannert, A., Petzold, A., Jakubizka-Smorag, J., Emrich, F., Haunschild, J., Schuster, A., Schwob, E., Schulz, K., Maegdefessel, et al
  2021; 24: 188–99

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

- **Risk factors mediating the effect of body mass index and waist-to-hip ratio on cardiovascular outcomes: Mendelian randomization analysis.** *International journal of obesity (2005)*
  Gill, D., Zuber, V., Dawson, J., Pearson-Stuttard, J., Carter, A. R., Sanderson, E., Karhunen, V., Levin, M. G., Wootton, R. E., Klarin, D., Tsao, P. S., Tsilidis, K. K., Damrauer, et al
  2021

- **Genetic analysis in European ancestry individuals identifies 517 loci associated with liver enzymes.** *Nature communications*
  Pazoki, R., Vujkovic, M., Elliott, J., Evangelou, E., Gill, D., Ghanbari, M., van der Most, P. J., Pinto, R. C., Wielscher, M., Farlik, M., Zuber, V., de Knegt, R. J., Snieder, et al
  2021; 12 (1): 2579

- **Response by Pan and Tsao to Letter Regarding Article, "Genetic Architecture of Abdominal Aortic Aneurysm in the Million Veteran Program".** *Circulation*
  Pan, C., Tsao, P. S.
  2021; 143 (17): e873–e874

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

- **Actionable druggable genome-wide Mendelian randomization identifies repurposing opportunities for COVID-19.** *Nature medicine*
  Gaziano, L., Giambartolomei, C., Pereira, A. C., Gaulton, A., Posner, D. C., Swanson, S. A., Ho, Y., Iyengar, S. K., Kosik, N. M., Vujkovic, M., Gagnon, D. R., Bento, A. P., Barrio-Hernandez, et al
  2021
- **Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals (vol 52, pg 1314, 2020)** *NATURE GENETICS*
  Surendran, P., Feofanova, E. V., Lahrouchi, N., Ntalla, I., Karthikeyan, S., Cook, J., Chen, L., Mifsud, B., Yao, C., Kraja, A. T., Cartwright, J. H., Hellwege, J. N., Giri, et al
  2021
- **Hummingbird: Efficient Performance Prediction for Executing Genomic Applications in the Cloud.** *Bioinformatics (Oxford, England)*
  Bahmani, A., Xing, Z., Krishnan, V., Ray, U., Mueller, F., Alavi, A., Tsao, P. S., Snyder, M. P., Pan, C.
  2021
- **Exosome miR-501-3p Elevation Contributes to Progression of Vascular Stiffness.** *Circulation reports*
  Toyama, K., Igase, M., Spin, J. M., Abe, Y., Javkhlant, A., Okada, Y., Wagenhauser, M. U., Schelzig, H., Tsao, P. S., Mogi, M.
  2021; 3 (3): 170–77
- **Multi-trait association studies discover pleiotropic loci between Alzheimer's disease and cardiometabolic traits.** *Alzheimer's research & therapy*
  Bone, W. P., Siewert, K. M., Jha, A., Klarin, D., Damrauer, S. M., VA Million Veteran Program, Chang, K., Tsao, P. S., Assimes, T. L., Ritchie, M. D., Voight, B. F., Ballas, Z. K., Bhushan, S., et al
  2021; 13 (1): 34
- **Genetics of Smoking and Risk of Atherosclerotic Cardiovascular Diseases: A Mendelian Randomization Study.** *JAMA network open*
  Levin, M. G., Klarin, D., Assimes, T. L., Freiberg, M. S., Ingelsson, E., Lynch, J., Natarajan, P., O'Donnell, C., Rader, D. J., Tsao, P. S., Chang, K., Voight, B. F., Damrauer, et al
  2021; 4 (1): e2034461
- **Chitinase 3 like 1 (CHI3L1) is a regulator of smooth muscle cell physiology and atherosclerotic lesion stability.** *Cardiovascular research*
  Tsantilas, P. n., Lao, S. n., Wu, Z. n., Eberhard, A. n., Winski, G. n., Vaerst, M. n., Nanda, V. n., Wang, Y. n., Kojima, Y. n., Ye, J. n., Flores, A. n., Jarr, K. U., Pelisek, et al
  2021
- **Multi-Trait Genome-Wide Association Study of Atherosclerosis Detects Novel Pleiotropic Loci.** *Frontiers in genetics*
  Bellomo, T. R., Bone, W. P., Chen, B. Y., Gawronski, K. A., Zhang, D., Park, J., Levin, M., Tsao, N., Klarin, D., Lynch, J., Assimes, T. L., Gaziano, J. M., Wilson, et al
  2021; 12: 787545
- **A statistical quality assessment method for longitudinal observations in electronic health record data with an application to the VA million veteran program.** *BMC medical informatics and decision making*
  Wang, H., Belitskaya-Levy, I., Wu, F., Lee, J. S., Shih, M. C., Tsao, P. S., Lu, Y.
  2021; 21 (1): 289
- **Swarm: A federated cloud framework for large-scale variant analysis.** *PLoS computational biology*
  Bahmani, A. n., Ferriter, K. n., Krishnan, V. n., Alavi, A. n., Alavi, A. n., Tsao, P. S., Snyder, M. P., Pan, C. n.
  2021; 17 (5): e1008977
- **Phenome-wide association of 1809 phenotypes and COVID-19 disease progression in the Veterans Health Administration Million Veteran Program.** *PloS one*
  Song, R. J., Ho, Y., Schubert, P., Park, Y., Posner, D., Lord, E. M., Costa, L., Gerlovin, H., Kurgansky, K. E., Anglin-Foote, T., DuVall, S., Huffman, J. E., Pyarajan, et al
  2021; 16 (5): e0251651
- **E-Cigarettes and Cardiopulmonary Health.** *Function (Oxford, England)*
  Tarran, R., Barr, R. G., Benowitz, N. L., Bhatnagar, A., Chu, H. W., Dalton, P., Doerschuk, C. M., Drummond, M. B., Gold, D. R., Goniewicz, M. L., Gross, E. R., Hansel, N. N., Hopke, et al
  2021; 2 (2): zqab004
- **Unresolved Issues in RNA Therapeutics in Vascular Diseases With a Focus on Aneurysm Disease.** *Frontiers in cardiovascular medicine*

Schellinger, I. N., Dannert, A. R., Mattern, K., Raaz, U., Tsao, P. S.
2021; 8: 571076

- **Urate, Blood Pressure, and Cardiovascular Disease: Evidence From Mendelian Randomization and Meta-Analysis of Clinical Trials.** *Hypertension (Dallas, Tex. : 1979)*
  Gill, D., Cameron, A. C., Burgess, S., Li, X., Doherty, D. J., Karhunen, V., Abdul-Rahim, A. H., Taylor-Rowan, M., Zuber, V., Tsao, P. S., Klarin, D., VA Million Veteran Program, Evangelou, E., et al
  2020: HYPERTENSIONAHA12016547

- **Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals.** *Nature genetics*
  Surendran, P., Feofanova, E. V., Lahrouchi, N., Ntalla, I., Karthikeyan, S., Cook, J., Chen, L., Mifsud, B., Yao, C., Kraja, A. T., Cartwright, J. H., Hellwege, J. N., Giri, et al
  2020

- **Transfer learning enables prediction of CYP2D6 haplotype function.** *PLoS computational biology*
  McInnes, G., Dalton, R., Sangkuhl, K., Whirl-Carrillo, M., Lee, S., Tsao, P. S., Gaedigk, A., Altman, R. B., Woodahl, E. L.
  2020; 16 (11): e1008399

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

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

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

- **Involvement of Myeloid Cells and Non-Coding RNA in Abdominal Aortic Aneurysm Disease.** *Antioxidants & redox signaling*
  Knappich, C. n., Spin, J. M., Eckstein, H. H., Tsao, P. S., Maegdefessel, L. n.
  2020

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

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

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

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

- **Hyperlipidemia does not affect development of elastase-induced abdominal aortic aneurysm in mice.** *Atherosclerosis*
  Mulorz, J. n., Spin, J. M., Beck, H. C., Tha Thi, M. L., Wagenhäuser, M. U., Rasmussen, L. M., Lindholt, J. S., Tsao, P. S., Steffensen, L. B.

2020; 311: 73–83

- **The relationship between circulating lipids and breast cancer risk: A Mendelian randomization study.** *PLoS medicine*
  Johnson, K. E., Siewert, K. M., Klarin, D. n., Damrauer, S. M., Chang, K. M., Tsao, P. S., Assimes, T. L., Maxwell, K. N., Voight, B. F.
  2020; 17 (9): e1003302
- **Genetic determinants of increased body mass index mediate the effect of smoking on increased risk for type 2 diabetes risk but not coronary artery disease.** *Human molecular genetics*
  Thom, C. S., Ding, Z. n., Levin, M. G., Damrauer, S. M., Lee, K. M., Lynch, J. n., Chang, K. M., Tsao, P. S., Cho, K. n., Wilson, P. W., Assimes, T. L., Sun, Y. V., O'Donnell, et al
  2020
- **Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study.** *PLoS genetics*
  Hu, Y. n., Graff, M. n., Haessler, J. n., Buyske, S. n., Bien, S. A., Tao, R. n., Highland, H. M., Nishimura, K. K., Zubair, N. n., Lu, Y. n., Verbanck, M. n., Hilliard, A. T., Klarin, et al
  2020; 16 (3): e1008684
- **PCSK9 loss of function is protective against extra-coronary atherosclerotic cardiovascular disease in a large multi-ethnic cohort.** *PloS one*
  Small, A. M., Huffman, J. E., Klarin, D. n., Lynch, J. A., Assimes, T. n., DuVall, S. n., Sun, Y. V., Shere, L. n., Natarajan, P. n., Gaziano, M. n., Rader, D. J., Wilson, P. W., Tsao, et al
  2020; 15 (11): e0239752
- **Genome-wide association analysis of venous thromboembolism identifies new risk loci and genetic overlap with arterial vascular disease.** *Nature genetics*
  Klarin, D., Busenkell, E., Judy, R., Lynch, J., Levin, M., Haessler, J., Aragam, K., Chaffin, M., Haas, M., Lindstrom, S., Assimes, T. L., Huang, J., Min Lee, et al
  2019
- **Mapping eGFR loci to the renal transcriptome and phenome in the VA Million Veteran Program.** *Nature communications*
  Hellwege, J. N., Velez Edwards, D. R., Giri, A., Qiu, C., Park, J., Torstenson, E. S., Keaton, J. M., Wilson, O. D., Robinson-Cohen, C., Chung, C. P., Roumie, C. L., Klarin, D., Damrauer, et al
  2019; 10 (1): 3842
- **Author Correction: Genome-wide association study of alcohol consumption and use disorder in 274,424 individuals from multiple populations.** *Nature communications*
  Kranzler, H. R., Zhou, H., Kember, R. L., Smith, R. V., Justice, A. C., Damrauer, S., Tsao, P. S., Klarin, D., Baras, A., Reid, J., Overton, J., Rader, D. J., Cheng, et al
  2019; 10 (1): 2275
- **Controlled isoflurane anesthesia exposure is required for reliable behavioral testing in murine surgical models.** *Journal of pharmacological sciences*
  Toyama, K., Spin, J. M., Abe, Y., Suzuki, Y., Deng, A. C., Wagenhauser, M. U., Yoshino, T., Mulorz, J., Liu, S., Tsao, P. S., Mogi, M.
  2019
- **Genome-wide association study of alcohol consumption and use disorder in 274,424 individuals from multiple populations** *NATURE COMMUNICATIONS*
  Kranzler, H. R., Zhou, H., Kember, R. L., Smith, R., Justice, A. C., Damrauer, S., Tsao, P. S., Klarin, D., Baras, A., Reid, J., Oyerton, J., Rader, D. J., Cheng, et al
  2019; 10
- **An Automated Algorithm to Quantify Collagen Distribution in Aortic Wall** *JOURNAL OF HISTOCHEMISTRY & CYTOCHEMISTRY*
  Nguyen, D. M., Wagenhauser, M. U., Mehrkens, D., Adam, M., Tsao, P. S., Ramasubramanian, A. K.
  2019; 67 (4): 267–74
- **microRNA-based biomarker for dementia** *AGING-US*
  Toyama, K., Mogi, M., Tsao, P. S.
  2019; 11 (5): 1329–30
- **microRNA-based biomarker for dementia.** *Aging*
  Toyama, K., Mogi, M., Tsao, P. S.
  2019

- **Non-coding RNAs in aneurysmal aortopathy** *VASCULAR PHARMACOLOGY*
  Spin, J. M., Li, D. Y., Maegdefessel, L., Tsao, P. S.
  2019; 114: 110–21

- **Association of APOL1 Risk Alleles with Cardiovascular Disease in African Americans in the Million Veteran Program.** *Circulation*
  Bick, A. G., Akwo, E. n., Robinson-Cohen, C. n., Lee, K. n., Lynch, J. n., Assimes, T. L., DuVall, S. n., Edwards, T. n., Fang, H. n., Freiberg, S. M., Giri, A. n., Huffman, J. E., Huang, et al
  2019

- **Author Correction: Genome-wide association study of alcohol consumption and use disorder in 274,424 individuals from multiple populations.** *Nature communications*
  Kranzler, H. R., Zhou, H. n., Kember, R. L., Smith, R. V., Justice, A. C., Damrauer, S. n., Tsao, P. S., Klarin, D. n., Baras, A. n., Reid, J. n., Overton, J. n., Rader, D. J., Cheng, et al
  2019; 10 (1): 4050

- **Harmonizing Genetic Ancestry and Self-identified Race/Ethnicity in Genome-wide Association Studies.** *American journal of human genetics*
  Fang, H. n., Hui, Q. n., Lynch, J. n., Honerlaw, J. n., Assimes, T. L., Huang, J. n., Vujkovic, M. n., Damrauer, S. M., Pyarajan, S. n., Gaziano, J. M., DuVall, S. L., O'Donnell, C. J., Cho, et al
  2019

- **Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease.** *Circulation*
  Agha, G. n., Mendelson, M. M., Ward-Caviness, C. K., Joehanes, R. n., Huan, T. n., Gondalia, R. n., Salfati, E. n., Brody, J. A., Fiorito, G. n., Bressler, J. n., Chen, B. H., Ligthart, S. n., Guarrera, et al
  2019; 140 (8): 645–57

- **Trans-ethnic association study of blood pressure determinants in over 750,000 individuals** *NATURE GENETICS*
  Giri, A., Hellwege, J. N., Keaton, J. M., Park, J., Qiu, C., Warren, H. R., Torstenson, E. S., Kovesdy, C. P., Sun, Y. V., Wilson, O. D., Robinson-Cohen, C., Roumie, C. L., Chung, et al
  2019; 51 (1): 51-+

- **Genome-wide association study of alcohol consumption and use disorder in 274,424 individuals from multiple populations.** *Nature communications*
  Kranzler, H. R., Zhou, H., Kember, R. L., Vickers Smith, R., Justice, A. C., Damrauer, S., Tsao, P. S., Klarin, D., Baras, A., Reid, J., Overton, J., Rader, D. J., Cheng, et al
  2019; 10 (1): 1499

- **Trans-ethnic association study of blood pressure determinants in over 750,000 individuals.** *Nature genetics*
  Giri, A., Hellwege, J. N., Keaton, J. M., Park, J., Qiu, C., Warren, H. R., Torstenson, E. S., Kovesdy, C. P., Sun, Y. V., Wilson, O. D., Robinson-Cohen, C., Roumie, C. L., Chung, et al
  2019; 51 (1): 51–62

- **Therapeutic perspective on vascular cognitive impairment.** *Pharmacological research*
  Toyama, K. n., Spin, J. M., Mogi, M. n., Tsao, P. S.
  2019: 104266

- **Effects of Genetic Variants Associated with Familial Hypercholesterolemia on Low-Density Lipoprotein-Cholesterol Levels and Cardiovascular Outcomes in the Million Veteran Program.** *Circulation. Genomic and precision medicine*
  Sun, Y. V., Damrauer, S. M., Hui, Q., Assimes, T. L., Ho, Y. L., Natarajan, P., Klarin, D., Huang, J., Lynch, J., DuVall, S. L., Pyarajan, S., Honerlaw, J. P., Gaziano, et al
  2018; 11 (12)

- **Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits (vol 50, pg 1412, 2018)** *NATURE GENETICS*
  Evangelou, E., Warren, H. R., Mosen-Ansorena, D., Mifsud, B., Pazoki, R., Gao, H., Ntritsos, G., Dimou, N., Cabrera, C. P., Karaman, I., Fu Liang Ng, Evangelou, M., Witkowska, K., et al
  2018; 50 (12): 1755

- **Effects of Genetic Variants Associated with Familial Hypercholesterolemia on Low-Density Lipoprotein-Cholesterol Levels and Cardiovascular Outcomes in the Million Veteran Program** *CIRCULATION-GENOMIC AND PRECISION MEDICINE*
  Sun, Y., Damrauer, S. M., Hui, Q., Assimes, T. L., Ho, Y., Natarajan, P., Klarin, D., Huang, J., Lynch, J., Duvall, S. L., Pyarajan, S., Honerlaw, J. P., Gaziano, et al

2018; 11 (12)

- **An Automated Algorithm to Quantify Collagen Distribution in Aortic Wall.** *The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society*
  Nguyen, D. M., Wagenhauser, M. U., Mehrkens, D., Adam, M., Tsao, P. S., Ramasubramanian, A. K.
  2018: 22155418814231

- **Publisher Correction: Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits.** *Nature genetics*
  Evangelou, E., Warren, H. R., Mosen-Ansorena, D., Mifsud, B., Pazoki, R., Gao, H., Ntritsos, G., Dimou, N., Cabrera, C. P., Karaman, I., Ng, F. L., Evangelou, M., Witkowska, et al
  2018

- **Genetics of blood lipids among similar to 300,000 multi-ethnic participants of the Million Veteran Program** *NATURE GENETICS*
  Klarin, D., Damrauer, S. M., Cho, K., Sun, Y., Teslovich, T. M., Honerlaw, J., Gagnon, D. R., Du Vall, S. L., Li, J., Peloso, G. M., Chaffin, M., Small, A. M., Huang, et al
  2018; 50 (11): 1514-+

- **Chronic Nicotine Exposure Induces Murine Aortic Remodeling and Stiffness Segmentation-Implications for Abdominal Aortic Aneurysm Susceptibility.** *Frontiers in physiology*
  Wagenhäuser, M. U., Schellinger, I. N., Yoshino, T., Toyama, K., Kayama, Y., Deng, A., Guenther, S. P., Petzold, A., Mulorz, J., Mulorz, P., Hasenfuß, G., Ibing, W., Elvers, et al
  2018; 9: 1459

- **Chronic Nicotine Exposure Induces Murine Aortic Remodeling and Stiffness Segmentation-Implications for Abdominal Aortic Aneurysm Susceptibility** *FRONTIERS IN PHYSIOLOGY*
  Wagenhaeuser, M. U., Schellinger, I. N., Yoshino, T., Toyamau, K., Kayamau, Y., Deng, A., Guentheru, S. P., Petzold, A., Mulorz, J., Mulorz, P., Hasenfuss, G., Ibing, W., Elvers, et al
  2018; 9

- **Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits** *NATURE GENETICS*
  Evangelou, E., Warren, H. R., Mosen-Ansorena, D., Mifsu, B., Pazoki, R., Gao, H., Ntritsos, G., Dimou, N., Cabrer, C. P., Karaman, I., Ng, F., Evangelou, M., Witkowska, et al
  2018; 50 (10): 1412-+

- **Validation of Established Genetic Loci for Non-Alcoholic Fatty Liver Disease (NAFLD) and Their Contribution to NAFLD Phenotype in 194,457 Individuals Enrolled in the Million Veteran Program**
  Serper, M., Vujkovic, M., Kaplan, D. E., Carr, R. M., Lee, K., Shao, Q., Miller, D., Huang, J., Reaven, P. D., Phillips, L. S., O'Donnell, C. J., Meigs, J. B., Wilson, et al
  WILEY.2018: 210A–211A

- **Validation of Established Genetic Loci for Non-Alcoholic Fatty Liver Disease (NAFLD) and Their Contribution to NAFLD Phenotype in 194,457 Individuals Enrolled in the Million Veteran Program**
  Serper, M., Vujkovic, M., Kaplan, D. E., Carr, R. M., Lee, K., Shao, Q., Miller, D., Huang, J., Reaven, P. D., Phillips, L. S., O'Donnell, C. J., Meigs, J. B., Wilson, et al
  WILEY.2018: 210A–211A

- **Decoding the Genomics of Abdominal Aortic Aneurysm** *CELL*
  Li, J., Pan, C., Zhang, S., Spin, J. M., Deng, A., Leung, L. L. K., Dalman, R. L., Tsao, P. S., Snyder, M.
  2018; 174 (6): 1361-+

- **Association of Interleukin 6 Receptor Variant With Cardiovascular Disease Effects of Interleukin 6 Receptor Blocking Therapy A Phenome-Wide Association Study** *JAMA CARDIOLOGY*
  Cai, T., Zhang, Y., Ho, Y., Link, N., Sun, J., Huang, J., Cai, T. A., Damrauer, S., Ahuja, Y., Honerlaw, J., Costa, L., Schubert, P., Hong, et al
  2018; 3 (9): 849–57

- **Phenome Wide Association Study of IL6R Variant Identifies Drug Target for Cardiovascular Disease and Inflammation**
  Cai, T., Zhang, Y., Ho, Y., Link, N., Sun, J., Huang, J., Cai, T., Damrauer, S., Ahuja, Y., Honerlaw, J., Huang, J., Costa, L., Schubert, et al
  WILEY.2018

- **Apelin and APJ orchestrate complex tissue-specific control of cardiomyocyte hypertrophy and contractility in the hypertrophy-heart failure transition** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*

Parikh, V. N., Liu, J., Shang, C., Woods, C., Chang, A. C., Zhao, M., Charo, D. N., Grunwald, Z., Huang, Y., Seo, K., Tsao, P. S., Bernstein, D., Ruiz-Lozano, et al

2018; 315 (2): H348–H356

- **Systemic Upregulation of IL-10 (Interleukin-10) Using a Nonimmunogenic Vector Reduces Growth and Rate of Dissecting Abdominal Aortic Aneurysm** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*

  Adam, M., Kooreman, N., Jagger, A., Wagenhaeuser, M. U., Mehrkens, D., Wang, Y., Kayama, Y., Toyama, K., Raaz, U., Schellinger, I. N., Maegdefessel, L., Spin, J. M., Hamming, et al

  2018; 38 (8): 1796-1805

- **Non-coding RNAs in aneurysmal aortopathy.** *Vascular pharmacology*

  Spin, J. M., Li, D. Y., Maegdefessel, L., Tsao, P. S.

  2018

- **MicroRNA-Mediated Therapy Modulating Blood-Brain Barrier Disruption Improves Vascular Cognitive Impairment** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*

  Toyama, K., Spin, J. M., Deng, A. C., Huang, T., Wei, K., Wagenhaeuser, M. U., Yoshino, T., Huy Nguyen, Mulorz, J., Kundu, S., Raaz, U., Adam, M., Schellinger, I. N., et al

  2018; 38 (6): 1392–1406

- **Apelin and APJ orchestrate complex tissue-specific control of cardiomyocyte hypertrophy and contractility in the hypertrophy-heart failure transition.** *American journal of physiology. Heart and circulatory physiology*

  Parikh, V. N., Liu, J., Shang, C., Woods, C., Chang, A. C., Zhao, M., Charo, D. N., Grunwald, Z., Huang, Y., Seo, K., Tsao, P. S., Bernstein, D., Ruiz-Lozano, et al

  2018

- **MicroRNA-Mediated Therapy Modulating Blood-Brain Barrier Disruption Improves Vascular Cognitive Impairment.** *Arteriosclerosis, thrombosis, and vascular biology*

  Toyama, K., Spin, J. M., Deng, A. C., Huang, T., Wei, K., Wagenhauser, M. U., Yoshino, T., Nguyen, H., Mulorz, J., Kundu, S., Raaz, U., Adam, M., Schellinger, et al

  2018

- **Antioxidants from diet or supplements do not alter inflammatory markers in adults with cardiovascular disease risk. A pilot randomized controlled trial** *NUTRITION RESEARCH*

  Dewell, A., Tsao, P., Rigdon, J., Gardner, C. D.

  2018; 50: 63–72

- **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

- **Systemic Upregulation of IL-10 (Interleukin-10) Using a Nonimmunogenic Vector Reduces Growth and Rate of Dissecting Abdominal Aortic Aneurysm.** *Arteriosclerosis, thrombosis, and vascular biology*

  Adam, M. n., Kooreman, N. n., Jagger, A. n., Wagenhaeuser, M. U., Mehrkens, D. n., Wang, Y. n., Kayama, Y. n., Toyama, K. n., Raaz, U. n., Schellinger, I. N., Maegdefessel, L. n., Spin, J. M., Hamming, et al

  2018

- **Baseline Characterization and Annual Trends of Body Mass Index for a Mega-Biobank Cohort of US Veterans 2011-2017.** *Journal of health research and reviews in developing countries*

  Nguyen, X. T., Quaden, R. M., Song, R. J., Ho, Y. L., Honerlaw, J. n., Whitbourne, S. n., DuVall, S. L., Deen, J. n., Pyarajan, S. n., Moser, J. n., Huang, G. D., Muralidhar, S. n., Concato, et al

  2018; 5 (2): 98–107

- **H19 Induces Abdominal Aortic Aneurysm Development and Progression.** *Circulation*

  Li, D. Y., Busch, A. n., Jin, H. n., Chernogubova, E. n., Pelisek, J. n., Karlsson, J. n., Sennblad, B. n., Liu, S. n., Lao, S. n., Hofmann, P. n., Bäcklund, A. n., Eken, S. M., Roy, et al

  2018

- **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-+

- **Cloud-based interactive analytics for terabytes of genomic variants data.** *Bioinformatics (Oxford, England)*
  Pan, C., McInnes, G., Deflaux, N., Snyder, M., Bingham, J., Datta, S., Tsao, P. S.
  2017; 33 (23): 3709-3715

- **Phenotype and genotype analysis of metabolic liver disease in half million US Veterans enrolled in the Million Veteran Program (MVP) megabiobank**
  Serper, M., Kaplan, D. E., Lynch, J., Lee, J., Damrauer, S., Miller, D. R., Shao, Q., Lee, K. M., Reaven, P., Huang, J., Wilson, P. W., O'Donnell, C. J., Rader, et al
  WILEY.2017: 90A–91A

- **Local microRNA Modulation is a Suitable Way to Prevent In-Stent Restenosis and Coronary Allograft Arteriosclerosis**
  Wang, D., Deuse, T., Stubbendorff, M., Chernogubova, E., Erben, R. G., Eken, S. M., Jin, H., Heeger, C., Behnisch, B., Reichenspurner, H., Robbins, R. C., Spin, J. M., Tsao, et al
  LIPPINCOTT WILLIAMS & WILKINS.2017: S28

- **A Stent to Prevent: A Translational Approach Towards Small Abdominal Aortic Aneurysm (AAA) Therapy**
  Schellinger, I. N., Spin, J. M., Hasenfuss, G., Tsao, P. S., Raaz, U.
  LIPPINCOTT WILLIAMS & WILKINS.2017

- **Genetic Evidence for Overlap in the Pathogenesis of Peripheral Artery Disease and Coronary Artery Disease**
  Klarin, D., Small, A., Huang, J., Lynch, J., Arya, S., Assimes, T. L., Natarajan, P., Saleheen, D., Kathiresan, S., Rader, D. J., Concato, J., Gaziano, J., Cho, et al
  LIPPINCOTT WILLIAMS & WILKINS.2017

- **The Long Non-Coding RNA H19 Regulates Experimental Abdominal Aortic Aneurysm Development and Progression**
  Li, Y., Jin, H., Busch, A., Chernogubova, E., Backlund, A., Olofsson, A., Eken, S., Sun, C., Simon, N., Korzunowicz, G., Eriksson, P., Hultgren, R., Roy, et al
  LIPPINCOTT WILLIAMS & WILKINS.2017

- **Nicotine Differentially Influences Segmental Aortic Stiffening**
  Wagenhaeuser, M. U., Schellinger, I. N., Guenther, S. P., Yoshino, T., Toyama, K., Kayama, Y., Deng, A., Zoellner, A. M., Raaz, U., Spin, J. M., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2017

- **Hypoxia inducible factor stabilization improves defective ischemia-induced angiogenesis in a rodent model of chronic kidney disease.** *Kidney international*
  Schellinger, I. N., Cordasic, N., Panesar, J., Buchholz, B., Jacobi, J., Hartner, A., Klanke, B., Jakubiczka-Smorag, J., Burzlaff, N., Heinze, E., Warnecke, C., Raaz, U., Willam, et al
  2017; 91 (3): 616-627

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

- **Effect of Pioglitazone on Cardiometabolic Risk in Patients With Obstructive Sleep Apnea.** *American journal of cardiology*
  Liu, A., Abbasi, F., Kim, S. H., Ariel, D., Lamendola, C., Cardell, J., Xu, S., Patel, S., Tomasso, V., Mojaddidi, H., Grove, K., Tsao, P. S., Kushida, et al
  2017

- **A Pilot Study: The Beneficial Effects of Combined Statinexercise Therapy on Cognitive Function in Patients with Coronary Artery Disease and Mild Cognitive Decline** *INTERNAL MEDICINE*
  Toyama, K., Sugiyama, S., Oka, H., Hamada, M., Iwasaki, Y., Horio, E., Rokutanda, T., Nakamura, S., Spin, J. M., Tsao, P. S., Ogawa, H.
  2017; 56 (6): 641-649

- **Cloud-based Interactive Analytics for Terabytes of Genomic Variants Data** *Bioinformatics*
  Pan, C., McInnes, G., Deflaux, N., Snyder, M. P., Bingham, J., Datta, S., Tsao, P. S.
  2017: 3709–15

- **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

- **Transcriptomic Profiling Maps Anatomically Patterned Subpopulations among Single Embryonic Cardiac Cells** *DEVELOPMENTAL CELL*
  Li, G., Xu, A., Sim, S., Priest, J. R., Tian, X., Khan, T., Quertermous, T., Zhou, B., Tsao, P. S., Quake, S. R., Wu, S. M.
  2016; 39 (4): 491-507

- **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

- **Role of microRNAs on Blood Brain Barrier Dysfunction in Vascular Cognitive Impairment.** *Current drug delivery*
  Toyama, K., Spin, J. M., Tsao, P. S.
  2016: -?

- **Does enhanced insulin sensitivity improve sleep measures in patients with obstructive sleep apnea: a randomized, placebo-controlled pilot study.** *Sleep medicine*
  Liu, A., Kim, S. H., Ariel, D., Abbasi, F., Lamendola, C., Cardell, J., Xu, S., Patel, S., Tomasso, V., Mojaddidi, H., Grove, K., Tsao, P. S., Kushida, et al
  2016; 22: 57-60

- **Response to Letters Regarding Article, "Segmental Aortic Stiffening Contributes to Experimental Abdominal Aortic Aneurysm Development"** *CIRCULATION*
  Raaz, U., Zoellner, A. M., Schellinger, I. N., Toh, R., Nakagami, F., Brandt, M., Emrich, F. C., Kayama, Y., Eken, S., Adam, M., Maegdefessel, L., Hertel, T., Deng, et al
  2016; 133 (1): E11–E12

- **Identification and validation of N-acetyltransferase 2 as an insulin sensitivity gene.** *journal of clinical investigation*
  Knowles, J. W., Xie, W., Zhang, Z., Chennamsetty, I., Assimes, T. L., Paananen, J., Hansson, O., Pankow, J., Goodarzi, M. O., Carcamo-Orive, I., Morris, A. P., Chen, Y. I., Mäkinen, et al
  2016; 126 (1): 403-?

- **Heme Oxygenase-1 Expression Affects Murine Abdominal Aortic Aneurysm Progression.** *PloS one*
  Azuma, J., Wong, R. J., Morisawa, T., Hsu, M., Maegdefessel, L., Zhao, H., Kalish, F., Kayama, Y., Wallenstein, M. B., Deng, A. C., Spin, J. M., Stevenson, D. K., Dalman, et al
  2016; 11 (2)

- **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-?

- **Dietary fructose in pregnancy induces hyperglycemia, hypertension, and pathologic kidney and liver changes in a rodent model** *PREGNANCY HYPERTENSION-AN INTERNATIONAL JOURNAL OF WOMENS CARDIOVASCULAR HEALTH*
  Shortliffe, L. M., Hammam, O., Han, X., Kouba, E., Tsao, P. S., Wang, B.
  2015; 5 (4): 308-314

- **Diabetic Cardiovascular Disease Induced by Oxidative Stress** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
  Kayama, Y., Raaz, U., Jagger, A., Adam, M., Schellinger, I. N., Sakamoto, M., Suzuki, H., Toyama, K., Spin, J. M., Tsao, P. S.
  2015; 16 (10): 25234-25263

- **Human Engineered Heart Muscles Engraft and Survive Long Term in a Rodent Myocardial Infarction Model.** *Circulation research*
  Riegler, J., Tiburcy, M., Ebert, A., Tzatzalos, E., Raaz, U., Abilez, O. J., Shen, Q., Kooreman, N. G., Neofytou, E., Chen, V. C., Wang, M., Meyer, T., Tsao, et al
  2015; 117 (8): 720-730

- **Local MicroRNA Modulation Using a Novel Anti-miR21-Eluting Stent Effectively Prevents Experimental In-Stent Restenosis** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Wang, D., Deuse, T., Stubbendorff, M., Chernogubova, E., Erben, R. G., Eken, S. M., Jin, H., Li, Y., Busch, A., Heeger, C., Behnisch, B., Reichenspurner, H., Robbins, et al
  2015; 35 (9): 1945-1953

- **Local MicroRNA Modulation Using a Novel Anti-miR-21-Eluting Stent Effectively Prevents Experimental In-Stent Restenosis.** *Arteriosclerosis, thrombosis, and vascular biology*
  Wang, D., Deuse, T., Stubbendorff, M., Chernogubova, E., Erben, R. G., Eken, S. M., Jin, H., Li, Y., Busch, A., Heeger, C., Behnisch, B., Reichenspurner, H., Robbins, et al
  2015; 35 (9): 1945-1953

- **Transcription Factor Runx2 Promotes Aortic Fibrosis and Stiffness in Type 2 Diabetes Mellitus** *CIRCULATION RESEARCH*
  Raaz, U., Schellinger, I. N., Chernogubova, E., Warnecke, C., Kayama, Y., Penov, K., Hennigs, J. K., Salomons, F., Eken, S., Emrich, F. C., Zheng, W. H., Adam, M., Jagger, et al
  2015; 117 (6): 513-524

- **Transcription Factor Runx2 Promotes Aortic Fibrosis and Stiffness in Type 2 Diabetes Mellitus.** *Circulation research*
  Raaz, U., Schellinger, I. N., Chernogubova, E., Warnecke, C., Kayama, Y., Penov, K., Hennigs, J. K., Salomons, F., Eken, S., Emrich, F. C., Zheng, W. H., Adam, M., Jagger, et al
  2015; 117 (6): 513-524

- **Levosimendan displays anti-inflammatory effects and decreases MPO bioavailability in patients with severe heart failure** *SCIENTIFIC REPORTS*
  Adam, M., Meyer, S., Knors, H., Klinke, A., Radunski, U. K., Rudolph, T. K., Rudolph, V., Spin, J. M., Tsao, P. S., Costard-Jaeckle, A., Baldus, S.
  2015; 5

- **Identification and validation of N-acetyltransferase 2 as an insulin sensitivity gene** *JOURNAL OF CLINICAL INVESTIGATION*
  Knowles, J. W., Xie, W., Zhang, Z., Chennemsetty, I., Assimes, T. L., Paananen, J., Hansson, O., Pankow, J., Goodarzi, M. O., Carcamo-Orive, I., Morris, A. P., Chen, Y. I., Maekinen, et al
  2015; 125 (4): 1739-1751

- **MicroRNAs in Abdominal Aortic Aneurysm.** *Current vascular pharmacology*
  Adam, M., Raaz, U., Spin, J. M., Tsao, P. S.
  2015; 13 (3): 280-290

- **Levosimendan displays anti-inflammatory effects and decreases MPO bioavailability in patients with severe heart failure.** *Scientific reports*
  Adam, M., Meyer, S., Knors, H., Klinke, A., Radunski, U. K., Rudolph, T. K., Rudolph, V., Spin, J. M., Tsao, P. S., Costard-Jäckle, A., Baldus, S.
  2015; 5: 9704-?

- **Erratum: miR-24 limits aortic vascular inflammation and murine abdominal aneurysm development.** *Nature communications*
  Maegdefessel, L., Spin, J. M., Raaz, U., Eken, S. M., Toh, R., Azuma, J., Adam, M., Nakagami, F., Heymann, H. M., Chernogubova, E., Jin, H., Roy, J., Hultgren, et al
  2015; 6: 6506-?

- **Battle of the bulge: miR-195 versus miR-29b in aortic aneurysm.** *Circulation research*
  Spin, J. M., Tsao, P. S.
  2014; 115 (10): 812-813

- **Red blood cells serve as intravascular carriers of myeloperoxidase.** *Journal of molecular and cellular cardiology*
  Adam, M., Gajdova, S., Kolarova, H., Kubala, L., Lau, D., Geisler, A., Ravekes, T., Rudolph, V., Tsao, P. S., Blankenberg, S., Baldus, S., Klinke, A.
  2014; 74: 353-363

- **New ways to dismantle a ticking time bomb: microRNA 712/205 and abdominal aortic aneurysm development.** *Arteriosclerosis, thrombosis, and vascular biology*
  Maegdefessel, L., Spin, J. M., Tsao, P. S.
  2014; 34 (7): 1339-1340

- **Dichloroacetate prevents restenosis in preclinical animal models of vessel injury.** *Nature*
  Deuse, T., Hua, X., Wang, D., Maegdefessel, L., Heeren, J., Scheja, L., Bolaños, J. P., Rakovic, A., Spin, J. M., Stubbendorff, M., Ikeno, F., Länger, F., Zeller, et al
  2014; 509 (7502): 641-644

- **Dichloroacetate prevents restenosis in preclinical animal models of vessel injury.** *Nature*
  Deuse, T., Hua, X., Wang, D., Maegdefessel, L., Heeren, J., Scheja, L., Bolaños, J. P., Rakovic, A., Spin, J. M., Stubbendorff, M., Ikeno, F., Länger, F., Zeller, et al
  2014; 509 (7502): 641-644

- **Hemodynamic regulation of reactive oxygen species: implications for vascular diseases.** *Antioxidants & redox signaling*
  Raaz, U., Toh, R., Maegdefessel, L., Adam, M., Nakagami, F., Emrich, F. C., Spin, J. M., Tsao, P. S.
  2014; 20 (6): 914-928

- **MicroRNA-29b regulation of abdominal aortic aneurysm development** *TRENDS IN CARDIOVASCULAR MEDICINE*
  Maegdefessel, L., Azuma, J., Tsao, P. S.
  2014; 24 (1): 1-6

- **miR-24 limits aortic vascular inflammation and murine abdominal aneurysm development.** *Nature communications*
  Maegdefessel, L., Spin, J. M., Raaz, U., Eken, S. M., Toh, R., Azuma, J., Adam, M., Nakagami, F., Heymann, H. M., Chernogubova, E., Jin, H., Roy, J., Hultgren, et al
  2014; 5: 5214-?

- **MicroRNAs Are Novel Plasma Biomarkers for Diagnosis and Prognosis of Abdominal Aortic Aneurysm Disease**
  Chernogubova, E., Eken, S. M., Spin, J. M., Raaz, U., Jin, H., Roy, J., Hamsten, A., Eriksson, P., Tsao, P. S., Maegdefessel, L.
  LIPPINCOTT WILLIAMS & WILKINS.2013

- **Micromanaging Abdominal Aortic Aneurysms** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
  Maegdefessel, L., Spin, J. M., Adam, M., Raaz, U., Toh, R., Nakagami, F., Tsao, P. S.
  2013; 14 (7): 14374-14394

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

- **MicroRNA-24 controls abdominal aortic aneurysm development through regulation of YKL-40**
  Maegdefessel, L., Raaz, U., Adam, M., Spin, J., Eriksson, P., Hamsten, A., Tsao, P.
  SPRINGER.2013: 10–10

- **Oxidative Stress And Cyclic Strain Mediated Smad6 Regulation In Vascular Endothelial Cells Correlates With Autophagy Induction And Endothelial Dysfunction**
  Hayashi, S., Matsushita, H., Kawano, Y., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2013

- **Loss of CDKN2B promotes p53-dependent smooth muscle cell apoptosis and aneurysm formation.** *Arteriosclerosis, thrombosis, and vascular biology*
  Leeper, N. J., Raiesdana, A., Kojima, Y., Kundu, R. K., Cheng, H., Maegdefessel, L., Toh, R., Ahn, G., Ali, Z. A., Anderson, D. R., Miller, C. L., Roberts, S. C., Spin, et al
  2013; 33 (1): e1-e10

- **Loss of CDKN2B Promotes p53-Dependent Smooth Muscle Cell Apoptosis and Aneurysm Formation** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Leeper, N. J., Raiesdana, A., Kojima, Y., Kundu, R. K., Cheng, H., Maegdefessel, L., Toh, R., Ahn, G., Ali, Z. A., Anderson, D. R., Miller, C. L., Roberts, S. C., Spin, et al
  2013; 33 (1): E1-?

- **Prospective Transcriptomic Pathway Analysis of Human Lymphatic Vascular Insufficiency: Identification and Validation of a Circulating Biomarker Panel** *PLOS ONE*
  Lin, S., Kim, J., Lee, M., Roche, L., Yang, N. L., Tsao, P. S., Rockson, S. G.
  2012; 7 (12)

- **Dose-dependent Differential Impact of Estrogen Replacement on Abdominal Aortic Aneurysm Formation in a Murine Model**
  Toh, R., Raaz, U., Nakagami, F., Azuma, J., Maegdefessel, L., Deng, A., Spin, J. M., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2012

- **Microrna-24 Regulates Inflammation and Calcification During Abdominal Aortic Aneurysm Development Through Targeting Ykl-40**
  Maegdefessel, L., Raaz, U., Toh, R., Deng, A., Chernogubova, E., Eriksson, P., Hamsten, A., Spin, J. M., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2012

- **Coronary risk assessment among intermediate risk patients using a clinical and biomarker based algorithm developed and validated in two population cohorts** *CURRENT MEDICAL RESEARCH AND OPINION*
  Cross, D. S., McCarty, C. A., Hytopoulos, E., Beggs, M., Nolan, N., Harrington, D. S., Hastie, T., Tibshirani, R., Tracy, R. P., Psaty, B. M., McClelland, R., Tsao, P. S., Quertermous, et al
  2012; 28 (11): 1819-1830

- **Wall shear stress is decreased in the pulmonary arteries of patients with pulmonary arterial hypertension: An image-based, computational fluid dynamics study.** *Pulmonary circulation*
  Tang, B. T., Pickard, S. S., Chan, F. P., Tsao, P. S., Taylor, C. A., Feinstein, J. A.
  2012; 2 (4): 470-476

- **In vivo, ex vivo, and in vitro studies on apelin's effect on myocardial glucose uptake** *PEPTIDES*
  Xu, S., Han, P., Huang, M., Wu, J. C., Chang, C., Tsao, P. S., Yue, P.
  2012; 37 (2): 320-326

- **Apolipoprotein(a) Genetic Sequence Variants Associated With Systemic Atherosclerosis and Coronary Atherosclerotic Burden But Not With Venous Thromboembolism** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Helgadottir, A., Gretarsdottir, S., Thorleifsson, G., Holm, H., Patel, R. S., Gudnason, T., Jones, G. T., van Rij, A. M., Eapen, D. J., Baas, A. F., Tregouet, D., Morange, P., Emmerich, et al
  2012; 60 (8): 722-729

- **Apolipoprotein(a) genetic sequence variants associated with systemic atherosclerosis and coronary atherosclerotic burden but not with venous thromboembolism.** *Journal of the American College of Cardiology*
  Helgadottir, A., Gretarsdottir, S., Thorleifsson, G., Holm, H., Patel, R. S., Gudnason, T., Jones, G. T., van Rij, A. M., Eapen, D. J., Baas, A. F., Tregouet, D., Morange, P., Emmerich, et al
  2012; 60 (8): 722-729

- **Vascular smooth muscle cell phenotypic plasticity: focus on chromatin remodelling** *CARDIOVASCULAR RESEARCH*
  Spin, J. M., Maegdefessel, L., Tsao, P. S.
  2012; 95 (2): 147-155

- **Using plasma proteomic analysis for venous thromboembolism risk stratification in patients with advanced gastrointestinal cancers**
  Itakura, H., Holzer, A. K., Hofmann, L. V., Tsao, P. S.
  AMER SOC CLINICAL ONCOLOGY.2012

- **Human Internal Mammary Artery (IMA) Transplantation and Stenting: A Human Model to Study the Development of In-Stent Restenosis** *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*
  Hua, X., Deuse, T., Michelakis, E. D., Haromy, A., Tsao, P. S., Maegdefessel, L., Erben, R. G., Bergow, C., Behnisch, B. B., Reichenspurner, H., Robbins, R. C., Schrepfer, S.
  2012

- **Three-Dimensional Microstructural Changes in Murine Abdominal Aortic Aneurysms Quantified Using Immunofluorescent Array Tomography** *JOURNAL OF HISTOCHEMISTRY & CYTOCHEMISTRY*
  Saatchi, S., Azuma, J., Wanchoo, N., Smith, S. J., Yock, P. G., Taylor, C. A., Tsao, P. S.
  2012; 60 (2): 97-109

- **miR-29b Participates in Early Aneurysm Development in Marfan Syndrome** *CIRCULATION RESEARCH*
  Merk, D. R., Chin, J. T., Dake, B. A., Maegdefessel, L., Miller, M. O., Kimura, N., Tsao, P. S., Iosef, C., Berry, G. J., Mohr, F. W., Spin, J. M., Alvira, C. M., Robbins, et al
  2012; 110 (2): 312-?

- **Human internal mammary artery (IMA) transplantation and stenting: a human model to study the development of in-stent restenosis.** *Journal of visualized experiments : JoVE*
  Hua, X., Deuse, T., Michelakis, E. D., Haromy, A., Tsao, P. S., Maegdefessel, L., Erben, R. G., Bergow, C., Behnisch, B. B., Reichenspurner, H., Robbins, R. C., Schrepfer, S.
  2012: e3663-?

- **Low- and High-Dose Plant and Marine (n-3) Fatty Acids Do Not Affect Plasma Inflammatory Markers in Adults with Metabolic Syndrome** *JOURNAL OF NUTRITION*
  Dewell, A., Marvasti, F. F., Harris, W. S., Tsao, P., Gardner, C. D.
  2011; 141 (12): 2166-2171

- **In Vivo Bioluminescence Imaging of Inducible Nitric Oxide Synthase Gene Expression in Vascular Inflammation** *MOLECULAR IMAGING AND BIOLOGY*
  Terashima, M., Ehara, S., Yang, E., Kosuge, H., Tsao, P. S., Quertermous, T., Contag, C. H., McConnell, M. V.
  2011; 13 (6): 1061-1066

- **Microrna-21 Regulates Expansion of Abdominal Aortic Aneurysms Through the PTEN/PI3K/AKT Pathway** *Scientific Sessions of the American-Heart-Association/Resuscitation Science Symposium*
  Maegdefessel, L., Azuma, J., Deng, A., Toh, R. M., Merk, D. R., Raiesdana, A., Leeper, N. J., Spin, J. M., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2011

- **Nicotine-Augmented Abdominal Aortic Aneurysms are Regulated by MicroRNA-29b** *Scientific Sessions of the American-Heart-Association/ Resuscitation Science Symposium*
  Maegdefessel, L., Azuma, J., Merk, D. R., Toh, R. M., Deng, A., Chin, J. P., Spin, J. M., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2011

- **Human Leukocyte Antigen I Knockdown Human Embryonic Stem Cells Induce Host Ignorance and Achieve Prolonged Xenogeneic Survival** *Annual Meeting of the American-Heart-Association*
  Deuse, T., Seifert, M., Phillips, N., Fire, A., Tyan, D., Kay, M., Tsao, P. S., Hua, X., Velden, J., Eiermann, T., Volk, H., Reichenspurner, H., Robbins, et al
  LIPPINCOTT WILLIAMS & WILKINS.2011: S3–S9

- **Transcriptional profiling and network analysis of the murine angiotensin II-induced abdominal aortic aneurysm** *PHYSIOLOGICAL GENOMICS*
  Spin, J. M., Hsu, M., Azuma, J., Tedesco, M. M., Deng, A., Dyer, J. S., Maegdefessel, L., Dalman, R. L., Tsao, P. S.
  2011; 43 (17): 993-1003

- **Apelin and insulin resistance: Another arrow for the quiver?** *JOURNAL OF DIABETES*
  Xu, S., Tsao, P. S., Yue, P.
  2011; 3 (3): 225-231

- **Immunobiology of naive and genetically modified HLA-class-I-knockdown human embryonic stem cells** *JOURNAL OF CELL SCIENCE*
  Deuse, T., Seifert, M., Phillips, N., Fire, A., Tyan, D., Kay, M., Tsao, P. S., Hua, X., Velden, J., Eiermann, T., Volk, H., Reichenspurner, H., Robbins, et al
  2011; 124 (17): 3029-3037

- **Detecting Drug Interactions From Adverse-Event Reports: Interaction Between Paroxetine and Pravastatin Increases Blood Glucose Levels** *CLINICAL PHARMACOLOGY & THERAPEUTICS*
  Tatonetti, N. P., Denny, J. C., Murphy, S. N., Fernald, G. H., Krishnan, G., Castro, V., Yue, P., Tsau, P. S., Kohane, I., Roden, D. M., Altman, R. B.
  2011; 90 (1): 133-142

- **Apelin Increases Myocardial Glucose Uptake in Young but Not Older Diabetic Mice**
  Xu, S., Azuma, J., Wu, J. C., Quertermous, T., Tsao, P. S., Yue, P.
  AMER DIABETES ASSOC.2011: A689-A690

- **Apelin Expression in Human Adipocytes Is Associated with Insulin Sensitivity**
  Yue, P., Abbasi, F. A., Deng, A. C., Mclaughlin, T. L., Reaven, G. M., Tsao, P. S.
  AMER DIABETES ASSOC.2011: A480–A481

- **Asymmetric dimethylarginine impairs fibrinolytic activity in human umbilical vein endothelial cells via p38 MAPK and NF-kappa B pathways** *THROMBOSIS RESEARCH*
  Zhang, Q., Chen, N., Qiu, W., Xu, X., Wang, D., Tsao, P. S., Jin, H.
  2011; 128 (1): 42-46

- **The Use of Immunofluorescent Array Tomography to Study the Three-Dimensional Microstructure of Murine Blood Vessels** *CELLULAR AND MOLECULAR BIOENGINEERING*
  Saatchi, S., Wanchoo, N., Azuma, J., Smith, S. J., Tsao, P. S., Yock, P. G., Taylor, C. A.
  2011; 4 (2): 311-323

- **MicroRNA-26a Is a Novel Regulator of Vascular Smooth Muscle Cell Function** *JOURNAL OF CELLULAR PHYSIOLOGY*
  Leeper, N. J., Raiesdana, A., Kojima, Y., Chun, H. J., Azuma, J., Maegdefessel, L., Kundu, R. K., Quertermous, T., Tsao, P. S., Spin, J. M.
  2011; 226 (4): 1035-1043

- **Influences of Aortic Motion and Curvature on Vessel Expansion in Murine Experimental Aneurysms** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Goergen, C. J., Azuma, J., Barr, K. N., Magdefessel, L., Kallop, D. Y., Gogineni, A., Grewall, A., Weimer, R. M., Connolly, A. J., Dalman, R. L., Taylor, C. A., Tsao, P. S., Greve, et al
  2011; 31 (2): 270-U102

- **Human ferritin cages for imaging vascular macrophages** *BIOMATERIALS*
  Terashima, M., Uchida, M., Kosuge, H., Tsao, P. S., Young, M. J., Conolly, S. M., Douglas, T., McConnell, M. V.
  2011; 32 (5): 1430-1437

- **Selective Glucocorticoid Receptor (GR-II) Antagonist Reduces Body Weight Gain in Mice.** *Journal of nutrition and metabolism*
  Asagami, T., Belanoff, J. K., Azuma, J., Blasey, C. M., Clark, R. D., Tsao, P. S.
  2011; 2011: 235389-?

- **Apelin Decreases Lipolysis via G(q), G(i), and AMPK-Dependent Mechanisms** *ENDOCRINOLOGY*
  Yue, P., Jin, H., Xu, S., Aillaud, M., Deng, A. C., Azuma, J., Kundu, R. K., Reaven, G. M., Quertermous, T., Tsao, P. S.
  2011; 152 (1): 59-68

- **Three-Dimensional Hemodynamics in the Human Pulmonary Arteries Under Resting and Exercise Conditions** *ANNALS OF BIOMEDICAL ENGINEERING*
  Tang, B. T., Fonte, T. A., Chan, F. P., Tsao, P. S., Feinstein, J. A., Taylor, C. A.
  2011; 39 (1): 347-358

- **Assessment of Elastase-Induced Murine Abdominal Aortic Aneurysms: Comparison of Ultrasound Imaging with In Situ Video Microscopy** *JOURNAL OF BIOMEDICINE AND BIOTECHNOLOGY*
  Azuma, J., Maegdefessel, L., Kitagawa, T., Dalman, R. L., McConnell, M. V., Tsao, P. S.
  2011

- **Chromatin Remodeling Pathways in Smooth Muscle Cell Differentiation, and Evidence for an Integral Role for p300** *PLOS ONE*
  Spin, J. M., Quertermous, T., Tsao, P. S.
  2010; 5 (12)

- **Nicotine Accelerates the Expansion of Abdominal Aortic Aneurysms in Mice; A Potential Role for miR-21 and miR-26a**
  Maegdefessel, L., Azuma, J., Spin, J. M., Deng, A., McConnell, M. V., Dalman, R. L., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2010

- **Beneficial Effects of Heme Oxygenase-1 Expression and Activity in Experimental Abdominal Aortic Aneurysm**
  Azuma, J., Wong, R., Maegdefessel, L., Zhao, H., Deng, A., Stevenson, D. K., Tsao, P. S., Kalish, F. S.
  LIPPINCOTT WILLIAMS & WILKINS.2010

- **Apelin Inhibits Lipolysis in a Gq-, Gi-, and AMPK-Dependent Manner**
  Yue, P., Jin, H., Aillaud, M., Deng, A., Azuma, J., Kundu, R., Reaven, G., Quertermous, T., Tsao, P.
  LIPPINCOTT WILLIAMS & WILKINS.2010

- **Novel 3-Dimensional Microscopy Methodology Development to Study Regional Microstructural Changes over the Time Course of Abdominal Aortic Aneurysm Development** *Scientific Sessions on Arteriosclerosis, Thrombosis and Vascular Biology*
  Saatchi, S., Azuma, J., Wanchoo, N., Tsao, P. S., Smith, S. J., Yock, P. G., Taylor, C. A.
  LIPPINCOTT WILLIAMS & WILKINS.2010: E277–E277

- **Leftward Suprarenal Curvature and Motion in Mice: Possible Influence in the Location and Shape of Angiotensin II-Induced Murine Aneurysms**
  Goergen, C. J., Barr, K. N., Choi, G., Dalman, R. L., Taylor, C. A., Tsao, P. S., Greve, J. M.
  LIPPINCOTT WILLIAMS & WILKINS.2010: E272

- **Microarray Analysis Identifies miRNA-26a as a Regulator of Vascular Smooth Muscle Cell Phenotypic Modulation** *Scientific Sessions on Arteriosclerosis, Thrombosis and Vascular Biology*
  Leeper, N. J., Raiesdana, A., Kojima, Y., Chun, H. J., Azuma, J., Kundu, R. K., Quertermous, T., Tsao, P. S., Spin, J. M.
  LIPPINCOTT WILLIAMS & WILKINS.2010: E244–E244

- **In Vivo Quantification of Murine Aortic Cyclic Strain, Motion, and Curvature: Implications for Abdominal Aortic Aneurysm Growth** *JOURNAL OF MAGNETIC RESONANCE IMAGING*

Goergen, C. J., Barr, K. N., Huynh, D. T., Eastham-Anderson, J. R., Choi, G., Hedehus, M., Dalman, R. L., Connolly, A. J., Taylor, C. A., Tsao, P. S., Greve, J. M.
2010; 32 (4): 847-858

- **Differential adipogenic and inflammatory properties of small adipocytes in Zucker Obese and Lean rats** *DIABETES & VASCULAR DISEASE RESEARCH*
  Liu, A., Sonmez, A., Yee, G., Bazuine, M., Arroyo, M., Sherman, A., McLaughlin, T., Reaven, G., Cushman, S., Tsao, P.
  2010; 7 (4): 311-318
- **Pioglitazone Increases the Proportion of Small Cells in Human Abdominal Subcutaneous Adipose Tissue** *OBESITY*
  McLaughlin, T. M., Liu, T., Yee, G., Abbasi, F., Lamendola, C., Reaven, G. M., Tsao, P., Cushman, S. W., Sherman, A.
  2010; 18 (5): 926-931
- **Using Pre-existing Microarray Datasets to Increase Experimental Power: Application to Insulin Resistance** *PLOS COMPUTATIONAL BIOLOGY*
  Daigle, B. J., Deng, A., McLaughlin, T., Cushman, S. W., Cam, M. C., Reaven, G., Tsao, P. S., Altman, R. B.
  2010; 6 (3)
- **Inflammation in subcutaneous adipose tissue: relationship to adipose cell size** *DIABETOLOGIA*
  McLaughlin, T., Deng, A., Yee, G., Lamendola, C., Reaven, G., Tsao, P. S., Cushman, S. W., Sherman, A.
  2010; 53 (2): 369-377
- **New options with dabigatran etexilate in anticoagulant therapy.** *Vascular health and risk management*
  Maegdefessel, L., Spin, J. M., Azuma, J., Tsao, P. S.
  2010; 6: 339-349
- **QUANTIFICATION OF ABDOMINAL AORTIC ANEURYSM DISEASE PROGRESSION USING SMALL ANIMAL MAGNETIC RESONANCE IMAGING** *12th ASME Summer Bioengineering Conference*
  Barr, K. N., Goergen, C. J., Hedehus, M., Azuma, J., Taylor, C. A., Tsao, P. S., Greve, J. M.
  AMER SOC MECHANICAL ENGINEERS.2010: 659–660
- **Apelin is necessary for the maintenance of insulin sensitivity** *AMERICAN JOURNAL OF PHYSIOLOGY-ENDOCRINOLOGY AND METABOLISM*
  Yue, P., Jin, H., Aillaud, M., Deng, A. C., Azuma, J., Asagami, T., Kundu, R. K., Reaven, G. M., Quertermous, T., Tsao, P. S.
  2010; 298 (1): E59-E67
- **Modern role for clopidogrel in management of atrial fibrillation and stroke reduction.** *Vascular health and risk management*
  Maegdefessel, L., Azuma, J., Tsao, P. S.
  2010; 6: 95-103
- **Distribution of Asymmetric Dimethylarginine among 980 Healthy, Older Adults of Different Ethnicities** *CLINICAL CHEMISTRY*
  Sydow, K., Fortmann, S. P., Fair, J. M., Varady, A., Hlatky, M. A., Go, A. S., Iribarren, C., Tsao, P. S.
  2010; 56 (1): 111-120
- **Apelin is Necessary for the Maintenance of Insulin Sensitivity** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*
  Yue, P., Jin, H., Aillaud-Manzanera, M., Deng, A. C., Azuma, J., Kundu, R. K., Reaven, G. M., Quertermous, T., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2009: S1114–S1115
- **Generation of Low-antigenicity MHC I Knock-down Human Embryonic Stem Cells Using Molecular Therapy**
  Deuse, T., Seifert, M., Phillips, N., Fire, A., Kay, M., Tsao, P., Reichenspurner, H., Robbins, R. C., Schrepfer, S.
  LIPPINCOTT WILLIAMS & WILKINS.2009: S594–S595
- **Differential Intra-abdominal Adipose Tissue Profiling in Obese, Insulin-resistant Women** *OBESITY SURGERY*
  Liu, A., McLaughlin, T., Liu, T., Sherman, A., Yee, G., Abbasi, F., Lamendola, C., Morton, J., Cushman, S. W., Reaven, G. M., Tsao, P. S.
  2009; 19 (11): 1564-1573
- **Hypercholesterolemia impairs exercise capacity in mice** *VASCULAR MEDICINE*
  Maxwell, A. J., Niebauer, J., Lin, P. S., Tsao, P. S., Bernstein, D., Cooke, J. P.
  2009; 14 (3): 249-257

- **Transcriptional Profiling and Network Analysis of the Murine Angiotensin II-Induced Abdominal Aortic Aneurysm Model**
  Spin, J. M., Hsu, M., Azuma, J., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2009: E112–E113

- **Exercise Delays Progression of Abdominal Aortic Aneurysm Through Anti-inflammatory Gene Expression**
  Hsu, M., Azuma, J., Dalman, R. L., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2009: E61–E62

- **Leftward Abdominal Aortic Motion Correlates with Vessel Bulging in a Murine Aneurysm Model: Possible Role of Biomechanical Forces in Aneurysm Development**
  Goergen, C. J., Hedehus, M., Taylor, C. A., Tsao, P. S., Greve, J. M.
  LIPPINCOTT WILLIAMS & WILKINS.2009: E83

- **Mandatory and Voluntary Physical Training Have Analogous Inhibitory Effects on Experimental Abdominal Aortic Aneurysm (AAA) Disease Progression**
  Schultz, G. M., Azuma, J., Hsu, M., Tsao, P., Dalman, R. L.
  LIPPINCOTT WILLIAMS & WILKINS.2009: E84

- **Apelin prevents aortic aneurysm formation by inhibiting macrophage inflammation** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
  Leeper, N. J., Tedesco, M. M., Kojima, Y., Schultz, G. M., Kundu, R. K., Ashley, E. A., Tsao, P. S., Dalman, R. L., Quertermous, T.
  2009; 296 (5): H1329-H1335

- **Creation of murine experimental abdominal aortic aneurysms with elastase.** *Journal of visualized experiments : JoVE*
  Azuma, J., Asagami, T., Dalman, R., Tsao, P. S.
  2009

- **CORRELATION BETWEEN AORTIC MOTION AND VESSEL BULGING IN A MURINE ANEURYSM MODEL USING SMALL ANIMAL MAGNETIC RESONANCE IMAGING** *ASME Summer Bioengineering Conference*
  Goergen, C. J., Choi, G., Hedehus, M., Taylor, C. A., Tsao, P. S., Greve, J. M.
  AMER SOC MECHANICAL ENGINEERS.2009: 909–910

- **Robust Automatic Feature Extraction for Protein Microarrays** *26th IEEE International Instrumentation and Measurement Technology Conference*
  Ahmed, M. O., Dyer, J. S., Hytopoulos, E., Itakura, H., Tsao, P. S.
  IEEE.2009: 1721–1726

- **Circulating Markers of Abdominal Aortic Aneurysm Presence and Progression** *CIRCULATION*
  Golledge, J., Tsao, P. S., Dalman, R. L., Norman, P. E.
  2008; 118 (23): 2382-2392

- **Insulin resistance is associated with a modest increase in inflammation in subcutaneous adipose tissue of moderately obese women** *DIABETOLOGIA*
  McLaughlin, T., Deng, A., Gonzales, O., AILLAUD, M., Yee, G., Lamendola, C., Abbasi, F., Connolly, A. J., Sherman, A., Cushman, S. W., Reaven, G., Tsao, P. S.
  2008; 51 (12): 2303-2308

- **A Human Ferritin Iron Oxide Nano-composite Magnetic Resonance Contrast Agent** *MAGNETIC RESONANCE IN MEDICINE*
  Uchida, M., Terashima, M., Cunningham, C. H., Suzuki, Y., Willits, D. A., Willis, A. F., Yang, P. C., Tsao, P. S., McConnell, M. V., Young, M. J., Douglas, T.
  2008; 60 (5): 1073-1081

- **Apelin Prevents Aortic Aneurysm Formation by Inhibiting Macrophage Inflammation and Infiltration**
  Leeper, N. J., Tedesco, M. M., Kojima, Y., Schultz, G., Ho, M. Y., Kundu, R. K., Anderson, J. P., Tsao, P. S., Dolman, R. L., Quedermous, T.
  LIPPINCOTT WILLIAMS & WILKINS.2008: S451

- **Treatmeant with Rosuvastatin Suppresses the Development of Experimental Abdominal Aortic Aneurysms in Mice by Heme Oxygenase-1 Induction**
  Azuma, J., Wong, R. J., Morisawa, T., Hus, M., Stevenson, D. K., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2008: S1052

- **Apelin signaling antagonizes Ang II effects in mouse models of atherosclerosis** *JOURNAL OF CLINICAL INVESTIGATION*

Chun, H. J., Ali, Z. A., Kojima, Y., Kundu, R. K., Sheikh, A. Y., Agrawal, R., Zheng, L., Leeper, N. J., Pearl, N. E., Patterson, A. J., Anderson, J. P., Tsao, P. S., Lenardo, et al
2008; 118 (10): 3343-3354

- **Transcriptome Alteration in the Diabetic Heart by Rosiglitazone: Implications for Cardiovascular Mortality** *PLOS ONE*
  Wilson, K. D., Li, Z., Wagner, R., Yue, P., Tsao, P., Nestorova, G., Huang, M., Hirschberg, D. L., Yock, P. G., Quertermous, T., Wu, J. C.
  2008; 3 (7)
- **High glucose attenuates the aorta expansion in a mouse model of angiotensin II-induced abdominal aortic aneurysms**
  Asagami, T., Tsao, P. S., Dalman, R. L.
  LIPPINCOTT WILLIAMS & WILKINS.2008: E111
- **Asymmetrical dimethylarginine in renal disease: Limits of variation or variation limits?** *AMERICAN JOURNAL OF NEPHROLOGY*
  Jacobi, J., Tsao, P. S.
  2008; 28 (2): 224-237
- **In vivo genetic profiling and cellular localization of apelin reveals a hypoxia-sensitive, endothelial-centered pathway activated in ischemic heart failure** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
  Sheikh, A. Y., Chun, H. J., Glassford, A. J., Kundu, R. K., Kutschka, I., Ardigo, D., Hendry, S. L., Wagner, R. A., Chen, M. M., Ali, Z. A., Yue, P., Huynh, D. T., Connolly, et al
  2008; 294 (1): H88-H98
- **HIF-1 regulates hypoxia- and insulin-induced expression of apelin in adipocytes** *AMERICAN JOURNAL OF PHYSIOLOGY-ENDOCRINOLOGY AND METABOLISM*
  Glassford, A. J., Yue, P., Sheikh, A. Y., Chun, H. J., Zarafshar, S., Chan, D. A., Reaven, G. M., Quertermous, T., Tsao, P. S.
  2007; 293 (6): E1590-E1596
- **Circulating chemokines accurately identify individuals with clinically significant atherosclerotic heart disease** *PHYSIOLOGICAL GENOMICS*
  Ardigo, D., Assimes, T. L., Fortmann, S. P., Go, A. S., Hlatky, M., Hytopoulos, E., Iribarren, C., Tsao, P. S., Tabibiazar, R., Quertermous, T.
  2007; 31 (3): 402-409
- **The cardioactive peptide apelin increases adipocyte glucose uptake and is necessary for the maintenance of systemic insulin sensitivity** *80th Annual Scientific Session of the American-Heart-Association (AHA)*
  Yue, P., Asagami, T., Kundu, R. K., Yee, Y., Glassford, A. J., Azuma, J., Quertermous, T., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2007: 247–47
- **Small adipocytes: implications for inflammation and insulin resistance**
  Sonmez, A., Sung, K., Yee, G., Deng, A., Mullen, S., McLaughlin, T., Cushman, S., Reaven, G., Tsao, P.
  OXFORD UNIV PRESS.2007: 619–619
- **From Zanius to ADMA: ADMA - a new "adipocytokine" and its potential role in metabolic syndrome** *JOURNAL OF NEPHROLOGY*
  Kielstein, J. T., Tsao, P. S.
  2007; 20 (5): 515–17
- **Enhanced proportion of small adipose cells in insulin-resistant vs insulin-sensitive obese individuals implicates impaired adipogenesis** *DIABETOLOGIA*
  McLaugblin, T., Sherman, A., Tsao, P., Gonzalez, O., Yee, G., Lamendola, C., Reaven, G. M., Cusbman, S. W.
  2007; 50 (8): 1707-1715
- **Asymmetric Dimethyl L-Arginine (ADMA) is a critical regulator of myocardial reperfusion injury** *CARDIOVASCULAR RESEARCH*
  Stuehlinger, M. C., Conci, E., Haubner, B. J., Stocker, E., Schwaighofer, J., Cooke, J. P., Tsao, P. S., Pachinger, O., Metzler, B.
  2007; 75 (2): 417-425
- **Magnetic resonance imaging of progressive cardiomyopathic changes in the db/db mouse** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
  Yue, P., Arai, T., Terashima, M., Sheikh, A. Y., Cao, F., Charo, D., Hoyt, G., Robbins, R. C., Ashley, E. A., Wu, J., Yang, P. C., Tsao, P. S.
  2007; 292 (5): H2106-H2118
- **Adiponectin and insulin resistance in young and healthy smokers** *ENDOCRINE JOURNAL*
  Sonmez, A., Dogru, T., Yilmaz, M. I., Tasci, I., Ocal, R., Ozgurtas, T., Kilic, S., Erbil, K., Erikci, S., Tsao, P.

2006; 53 (6): 729-734

- **Smad6 works as a molecular sensor for vascular mechanical stretch**
  Hayashi, S., Matsushita, H., Topper, J. N., Nakashima, S., Ogihara, T., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2006: 323

- **Shear stress quantification and regulation of endothelial cell dysfunction in models of pulmonary arterial hypertension** *79th Annual Scientific Session of the American-Heart-Association*
  Tang, B. T., Fonte, T. A., Feinstein, J. A., Taylor, C. A., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2006: 81–81

- **Apelin reverses pathologic ventricular remodeling in the db/db obese mouse**
  Yue, P., Ernst, K., Terashima, M., Greve, J. M., Quertermous, T., Yang, P. C., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2006: 174

- **Iron oxide cellular MRI of plaque macrophages has limited in vivo uptake in deep foam cells despite active uptake in vitro** *79th Annual Scientific Session of the American-Heart-Association*
  Terashima, M., Ikeda, K., Tsao, P. S., McConnell, M. V.
  LIPPINCOTT WILLIAMS & WILKINS.2006: 40–40

- **Apelin reverses pathologic ventricular remodeling in the db/db obese mouse**
  Yue, P., Ernst, K., Terashima, M., Greve, J. M., Quertermous, T., Yang, P. C., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2006: 174

- **Iron oxide cellular MRI of plaque macrophages has limited in vivo uptake in deep foam cells despite active uptake in vitro** *79th Annual Scientific Session of the American-Heart-Association*
  Terashima, M., Ikeda, K., Tsao, P. S., McConnell, M. V.
  LIPPINCOTT WILLIAMS & WILKINS.2006: 40–40

- **Abdominal aortic hemodynamics in young healthy adults at rest and during lower limb exercise: quantification using image-based computer modeling** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
  Tang, B. T., Cheng, C. P., Draney, M. T., Wilson, N. M., Tsao, P. S., Herfkens, R. J., Taylor, C. A.
  2006; 291 (2): H668-H676

- **Molecular signatures determining coronary artery and saphenous vein smooth muscle cell phenotypes - Distinct responses to stimuli** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Deng, D. X., Spin, J. M., Tsalenko, A., Vailaya, A., Ben-Dor, A., Yakhini, Z., Tsao, P., Bruhn, L., Quertermous, T.
  2006; 26 (5): 1058-1065

- **Plasma asymmetric dimethylarginine concentrations are elevated in obese insulin-resistant women and fall with weight loss** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
  McLaughlin, T., Stuhlinger, M., Lamendola, C., Abbasi, F., Bialek, J., Reaven, G. M., Tsao, P. S.
  2006; 91 (5): 1896-1900

- **Proteomic profiles of serum inflammatory markers accurately predict atherosclerosis in mice** *PHYSIOLOGICAL GENOMICS*
  Tabibiazar, R., Wagner, R. A., Deng, A., Tsao, P. S., Quertermous, T.
  2006; 25 (2): 194-202

- **Asymmetric dimethyl arginine (ADMA) is associated with incident CAD in older adults**
  Fortmann, S. P., Sydow, K., Fair, J. M., Tsao, P. S., Mahbouba, M., Hlatky, M. A., Iribarren, C., Go, A. S.
  LIPPINCOTT WILLIAMS & WILKINS.2006: E339

- **THR0921, a novel peroxisome proliferator-activated receptor gamma agonist, reduces the severity of collagen-induced arthritis** *ARTHRITIS RESEARCH & THERAPY*
  Tomita, T., Kakiuchi, Y., Tsao, P. S.
  2006; 8 (1)

- **Prolonged cold ischemia in rat cardiac allografts promotes ischemia-reperfusion injury and the development of graft coronary artery disease in a linear fashion** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Tanaka, M., Mokhtari, G. K., Terry, R. D., Gunawan, F., Balsam, L. B., Hoyt, G., Lee, K. H., Tsao, P. S., Robbins, R. C.
  2005; 24 (11): 1906-1914

- **Pathway analysis of coronary atherosclerosis** *PHYSIOLOGICAL GENOMICS*
  King, J. Y., Ferrara, R., Tabibiazar, R., Spin, J. M., Chen, M. M., Kuchinsky, A., Vailaya, A., Kincaid, R., Tsalenko, A., Deng, D. X., Connolly, A., Zhang, P., Yang, et al
  2005; 23 (1): 103-118

- **Dimethylarginine dimethylaminohydrolase overexpression suppresses graft coronary artery disease** *CIRCULATION*
  Tanaka, M., Sydow, K., Gunawan, F., Jacobi, J., Tsao, P. S., Robbins, R. C., Cooke, J. P.
  2005; 112 (11): 1549-1556

- **Transforming growth factor-beta receptors localize to caveolae and regulate endothelial nitric oxide synthase in normal human endothelial cells** *BIOCHEMICAL JOURNAL*
  Schwartz, E. A., Reaven, E., Topper, J. N., Tsao, P. S.
  2005; 390: 199-206

- **Increased aortic stiffness in the insulin-resistant Zucker fa/fa rat** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
  Sista, A. K., O'Connell, M. K., Hinohara, T., Oommen, S. S., Fenster, B. E., Glassford, A. J., Schwartz, E. A., Taylor, C. A., Reaven, G. M., Tsao, P. S.
  2005; 289 (2): H845-H851

- **Signature patterns of gene expression in mouse atherosclerosis and their correlation to human coronary disease** *PHYSIOLOGICAL GENOMICS*
  Tabibiazar, R., Wagner, R. A., Ashley, E. A., King, J. Y., Ferrara, R., Spin, J. M., Sanan, D. A., Narasimhan, B., Tibshirani, R., Tsao, P. S., Efron, B., Quertermous, T.
  2005; 22 (2): 213-226

- **Rosuvastatin attenuates monocyte-endothelial cell interactions and vascular free radical production in hypercholesterolemic mice** *JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS*
  Li, W., Asagami, T., Matsushita, H., Lee, K. H., Tsao, P. S.
  2005; 313 (2): 557-562

- **Sphingosine-1-phosphate prevents tumor necrosis factor-alpha-mediated monocyte adhesion to aortic endothelium in mice** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Bolick, D. T., Srinivasan, S., Kim, K. W., Hatley, M. E., Clemens, J. J., Whetzel, A., Ferger, N., MACDONALD, T. L., Davis, M. D., Tsao, P. S., Lynch, K. R., Hedrick, C. C.
  2005; 25 (5): 976-981

- **Inhibition of heart transplant injury and graft coronary artery disease after prolonged organ ischemia by selective protein kinase C regulators** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  Tanaka, M., Gunawan, F., Terry, R. D., Inagaki, K., Caffarelli, A. D., Hoyt, G., Tsao, P. S., Mochly-Rosen, D., Robbins, R. C.
  2005; 129 (5): 1160-1167

- **Mouse strain-specific differences in vascular wall gene expression and their relationship to vascular disease** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Tabibiazar, R., Wagner, R. A., Spin, J. M., Ashley, E. A., Narasimhan, B., Rubin, E. M., Efron, B., Tsao, P. S., Tibshirani, R., Quertermous, T.
  2005; 25 (2): 302-308

- **Effect of rosiglitazone treatment on circulating vascular and inflammatory markers in insulin-resistant subjects.** *Diabetes & vascular disease research*
  Chu, J. W., Abbasi, F., Lamendola, C., McLaughlin, T., Reaven, G. M., Tsao, P. S.
  2005; 2 (1): 37-41

- **Signature pattern of circulating chemokines can improve the identification of coronary artery disease** *41st Annual Meeting of the European-Association-for-the-Study-of-Diabetes*
  Ardigo, D., Tabibiazar, R., Olshen, R., Tsao, P. S., Quetermous, T.
  SPRINGER.2005: A406–A407

- **Cardiomyocyte-specific Bcl-2 overexpression attenuates ischemia-reperfusion injury, immune response during acute rejection, and graft coronary artery disease** *BLOOD*
  Tanaka, M., Nakae, S., Terry, P. D., Mokhtari, G. K., Gunawan, F., Balsam, L. B., Kaneda, H., Kofidis, T., Tsao, P. S., Robbins, R. C.
  2004; 104 (12): 3789-3796

- **Low flow promotes instent intimal hyperplasia comparison with lumen loss in balloon-injured and uninjured vessels and the effects of the antioxidant pyrrolidine dithiocarbamate** *ATHEROSCLEROSIS*
  Hanratty, C. G., Murrell, M., Khachigian, L. M., Tsao, P. S., Ward, M. R.
  2004; 177 (2): 269-274

- **Transcriptional profiling of in vitro smooth muscle cell differentiation identifies specific patterns of gene and pathway activation** *PHYSIOLOGICAL GENOMICS*
  Spin, J. M., Nallamshetty, S., Tabibiazar, R., Ashley, E. A., King, J. Y., Chen, M., Tsao, P. S., Quertermous, T.
  2004; 19 (3): 292-302

- **Overexpression of human copper/zinc superoxide dismutase (SOD1) suppresses ischemia-reperfusion injury and subsequent development of graft coronary artery disease in murine cardiac grafts** *CIRCULATION*
  Tanaka, M., Mokhtari, G. K., Terry, R. D., Balsam, L. B., Lee, K. H., Kofidis, T., Tsao, P. S., Robbins, R. C.
  2004; 110 (11): II200-II206

- **Long-term effects of polymer-based, slow-release, sirolimus-eluting stents in a porcine coronary model** *CARDIOVASCULAR RESEARCH*
  Carter, A. J., Aggarwal, M., Kopia, G. A., Tio, F., Tsao, P. S., Kolata, R., Yeung, A. C., Llanos, G., Dooley, L., Falotico, R.
  2004; 63 (4): 617-624

- **The effect of VEGF-C-induced lymphangiogenesis on gene expression profiles in experimental lymphedema** *5th Annual Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*
  Kiazand, A., Tsao, P., An, A. C., Han, J., Swanson, J., Berkowski, A., Karkkainen, M., Alitalo, K., Rockson, S. G.
  LIPPINCOTT WILLIAMS & WILKINS.2004: E62–E62

- **The effect of VEGF-C-Induced Lymphangiogenesis on Expression profiles for Lymphangiogenesis-related genes in experimental lymphedema** *Experimental Biology 2004 Annual Meeting*
  Kiazand, A., Berkowski, J. A., An, A. C., Swanson, J., Han, J., Tsao, P., Alitalo, K., Karkkainen, M., Rockson, S. G.
  FEDERATION AMER SOC EXP BIOL.2004: A635–A635

- **Dimethylarginine dimethylaminohydrolase regulates nitric oxide synthesis - Genetic and physiological evidence** *CIRCULATION*
  Dayoub, H., Achan, V., Adimoolam, S., Jacobi, J., Stuehlinger, M. C., Wang, B. Y., Tsao, P. S., Kimoto, M., Vallance, P., Patterson, A. J., Cooke, J. P.
  2003; 108 (24): 3042-3047

- **Novel role for the potent endogenous inotrope apelin in human cardiac dysfunction** *CIRCULATION*
  Chen, M. M., Ashley, E. A., Deng, D. X., Tsalenko, A., Deng, A., Tabibiazar, R., Ben-Dor, A., Fenster, B., Yang, E., King, J. Y., Fowler, M., Robbins, R., Johnson, et al
  2003; 108 (12): 1432-1439

- **Does glucocorticoid dysregulation contribute to the link between cigarette smoking and insulin resistance? Reply** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Reaven, G. M., Tsao, P. S.
  2003; 42 (4): 771–72

- **Endothelial dysfunction: Clinical strategies for treating oxidant stress** *AMERICAN HEART JOURNAL*
  Fenster, B. E., Tsao, P. S., Rockson, S. G.
  2003; 146 (2): 218-226

- **NOS inhibition accelerates atherogenesis: reversal by exercise** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
  Niebauer, J., Maxwell, A. J., Lin, P. S., Wang, D., Tsao, P. S., Cooke, J. P.
  2003; 285 (2): H535-H540

- **Flow-responsive remodeling after angioplasty is enhanced by high cholesterol diet. Prevention with pyrrolidine dithiocarbamate** *ATHEROSCLEROSIS*
  Ward, M. R., Tsao, P. S., Herity, N. A., Cooke, J. P., Yeung, A. C.
  2003; 168 (2): 333-341

- **Improvements in vascular and inflammatory markers in rosiglitazone treated insulin-resistant subjects are independent of changes in insulin sensitivity or glycemic control**
  Chu, J., Abbasi, F., Lamendola, C., McLaughlin, T., Tsao, P., Reaven, G.
  AMER DIABETES ASSOC.2003: A76

- **Identification of endothelial cell genes by combined database mining and microarray analysis** *PHYSIOLOGICAL GENOMICS*
  Ho, M., Yang, E., Matcuk, G., Deng, D., Sampas, N., Tsalenko, A., Tabibiazar, R., Zhang, Y., Chen, M., Talbi, S., Ho, Y. D., Wang, J., Tsao, et al
  2003; 13 (3): 249-262

- **Rosuvastatin attenuates the production of vascular reactive oxygen species in ApoE(-/-) mice** *4th Annual Conference on Arteriosclerosis Thrombosis and Vascular Biology*
  Asagami, T., Li, W., Lee, K. H., McTaggart, F., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2003: A59–A60

- **The effect of oxidant stress, injury and flow on c-jun and egr-1 expression** *4th Annual Conference on Arteriosclerosis Thrombosis and Vascular Biology*
  Murrell, M. J., Khachigian, L. M., Tsao, P., Ward, M. R.
  LIPPINCOTT WILLIAMS & WILKINS.2003: A20–A20

- **Lymphangiogenesis in lymphatic insufficiency: Lymphatic endothelial and inflammatory RNA expression patterns** *4th Annual Conference on Arteriosclerosis Thrombosis and Vascular Biology*
  Shin, W. S., Rockson, N. B., Sanchez, D. R., Midde, R., Alitalo, K., Karkkainen, M., Tsao, P. S., Rockson, S. G.
  LIPPINCOTT WILLIAMS & WILKINS.2003: A52–A52

- **Stent-based immunosuppressive therapies for the prevention of restenosis.** *Cardiovascular radiation medicine*
  Aggarwal, M., Tsao, P. S., Yeung, A., Carter, A. J.
  2003; 4 (2): 98-107

- **Insulin resistance and compensatory hyperinsulinemia - The key player between cigarette smoking and cardiovascular disease?** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Reaven, G., Tsao, P. S.
  2003; 41 (6): 1044-1047

- **Chronic stent-induced injury and inflammation results in sustained activation of the cell cycle in the porcine model**
  Aggarwal, M., Tsao, P. S., Kopia, G., Glassford, A., Yeung, A. C., Tio, F., Carter, A. J.
  ELSEVIER SCIENCE INC.2003: 14A–15A

- **Reduced myocardial brain natriuretic peptide expression and collagen deposition following ventricular assist device support for heart failure** *52nd Annual Scientific Session of the American-College-of-Cardiology*
  Fenster, B. E., Fowler, M. B., Yee, Y. G., Connolly, A., Tsao, P. S.
  ELSEVIER SCIENCE INC.2003: 165A–165A

- **Short polymers of arginine rapidly translocate into vascular cells - Effects on nitric oxide synthesis** *CIRCULATION JOURNAL*
  Uemura, S., Rothbard, J. B., Matsushita, H., Tsao, P. S., Fathman, C. G., Cooke, J. P.
  2002; 66 (12): 1155-1160

- **Flow loading induces macrophage antioxidative gene expression in experimental aneurysms** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Nakahashi, T. K., Hoshina, K., Tsao, P. S., Sho, E., Sho, M., Karwowski, J. K., Yeh, C., Yang, R. B., Topper, J. N., Dalman, R. L.
  2002; 22 (12): 2017-2022

- **Impaired nitric oxide synthase pathway in diabetes mellitus - Role of asymmetric dimethylarginine and dimethylarginine dimethylaminohydrolase** *CIRCULATION*
  LIN, K. Y., Ito, A., Asagami, T., Tsao, P. S., Adimoolam, S., Kimoto, M., Tsuji, H., Reaven, G. M., Cooke, J. P.
  2002; 106 (8): 987-992

- **Impaired NOS pathway in diabetes mellitus: role of ADMA and DDAH** *24th Annual Scientific Meeting of the European-Society-of-Cardiology (ESC)*
  Lin, K., Tsao, P., Cooke, J.
  OXFORD UNIV PRESS.2002: 493–493

- **Metformin treatment lowers asymmetric dimethylarginine concentrations in patients with type 2 diabetes** *METABOLISM-CLINICAL AND EXPERIMENTAL*
  Asagami, T., Abbasi, F., Stuelinger, M., Lamendola, C., McLaughlin, T., Cooke, J. P., Reaven, G. M., Tsao, P. S.
  2002; 51 (7): 843-846

- **Statin therapy - Beyond cholesterol lowering and antiinflammatory effects** *CIRCULATION*
  Yeung, A. C., Tsao, P.
  2002; 105 (25): 2937-2938

- **Hemodynamic unloading of the left ventricle by ventricular assist devices (VAD) increases angiotensin converting enzyme-1 (ACE) expression in patients with end-stage dilated and ischemic cardiomyopathies**
  Fenster, B. E., Fowler, M. B., Tsao, P. S.
  FEDERATION AMER SOC EXP BIOL.2002: A1116

- **Relationship between insulin resistance and an endogenous nitric oxide synthase inhibitor** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Stuhlinger, M. C., Abbasi, F., Chu, J. W., Lamendola, C., McLaughlin, T. L., Cooke, J. P., Reaven, G. M., Tsao, P. S.
  2002; 287 (11): 1420-1426

- **Elevated glucose increases ADMA: Role of oxidative stress and DDAH**
  Lin, K. Y., Wang, B. Y., Tsao, P. S., Cooke, J. P.
  ELSEVIER SCIENCE INC.2002: 251A

- **Homocysteine impairs the nitric oxide synthase pathway - Role of asymmetric dimethylarginine** *CIRCULATION*
  Stuhlinger, M. C., Tsao, P. S., Her, J. H., Kimoto, M., Balint, R. F., Cooke, J. P.
  2001; 104 (21): 2569-2575

- **Plasma concentrations of asymmetric dimethylarginine are increased in patients with type 2 diabetes mellitus** *AMERICAN JOURNAL OF CARDIOLOGY*
  Abbasi, F., Asagmi, T., Cooke, J. P., Lamendola, C., McLaughlin, T., Reaven, G. M., Stuehlinger, M., Tsao, P. S.
  2001; 88 (10): 1201-?

- **eNOS activity is reduced in senescent human endothelial cells - Preservation by hTERT immortalization** *CIRCULATION RESEARCH*
  Matsushita, H., Chang, E., Glassford, A. J., Cooke, J. P., Chiu, C. P., Tsao, P. S.
  2001; 89 (9): 793-798

- **The novel HMG-CoA reducase inhibitor, Rosuvastatin, attenuates monocyte adhesion in a murine model of hypercholesterolemia**
  Li, W., Asagami, T., McTaggart, F., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2001: 212–12

- **Mechanical stretch modulates TGF-beta/Smad signaling in human vascular cells via down regulation of Smad6**
  Hayashi, S. I., Matsushita, H., Glassford, A., Li, W., Topper, J. N., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2001: 273–73

- **A novel functional interaction of TGF-beta receptors with eNOS in caveolae**
  Schwartz, E. A., Topper, J. N., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2001: 106–

- **Anti-angiogenic effects of thalidomide characterized by transciptional profiling of endothelial cell-specific gene expression**
  Yang, E., Matcuk, G., Zhang, Y., Talbi, S., Chen, M., Ho, M., Liao, C., Tsao, P. S., Quertermous, T., Deng, D., Sampas, N., Ach, R., Love, et al
  LIPPINCOTT WILLIAMS & WILKINS.2001: 123–23

- **Stent-based delivery of sirolimus reduces neointimal formation in a porcine coronary model** *CIRCULATION*
  Suzuki, T., Kopia, G., Hayashi, S., Bailey, L. R., Llanos, G., Wilensky, R., Klugherz, B. D., Papandreou, G., Narayan, P., Leon, M. B., Yeung, A. C., Tio, F., Tsao, et al
  2001; 104 (10): 1188-1193

- **Cholesterol-induced upregulation of angiotensin II and its effects on monocyte-endothelial interaction and superoxide production** *VASCULAR MEDICINE*
  Niebauer, J., Tsao, P. S., Lin, P. S., Pratt, R. E., Cooke, J. P.
  2001; 6 (3): 133-138

- **Effects of stenting on adjacent vascular distensibility and neointima formation: role of nitric oxide** *VASCULAR MEDICINE*
  Schwarzacher, S. P., Tsao, P. S., Ward, M., Hayase, M., Niebauer, J., Cooke, J. P., Yeung, A. C.
  2001; 6 (3): 139-144

- **Nicotine stimulates angiogenesis and promotes tumor growth and atherosclerosis** *NATURE MEDICINE*
  Heeschen, C., Jang, J. J., Weis, M., Pathak, A., Kaji, S., Hu, R. S., Tsao, P. S., Johnson, F. L., Cooke, J. P.
  2001; 7 (7): 833-839
- **Diabetes mellitus enhances vascular matrix metalloproteinase activity - Role of oxidative stress** *CIRCULATION RESEARCH*
  Uemura, S., Matsushita, H., Li, W., Glassford, A. J., Asagami, T., Lee, K. H., Harrison, D. G., Tsao, P. S.
  2001; 88 (12): 1291-1298
- **Plasma concentrations of asymmetric dimethylagrinine are increased in patients with type 2 diabetes mellitus**
  Abbasi, F., Asagami, T., Cooke, J. P., Lamendola, C., McLaughlin, T., Stuehlinger, M. C., Tsao, P. S., Reaven, G. M.
  AMER DIABETES ASSOC.2001: A147–A148
- **Alpha-tocopherol limits experimental aortic aneurysm enlargement**
  YEH, C. C., Nakahashi, T., Hoshina, K., Xu, C. P., Tsao, P., Karwowski, J. K., Dalman, R. L.
  LIPPINCOTT WILLIAMS & WILKINS.2001: 638–38
- **Low blood flow after angioplasty augments mechanisms of restenosis - Inward vessel remodeling, cell migration, and activity of genes regulating migration** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Ward, M. R., Tsao, P. S., Agrotis, A., Dilley, R. J., Jennings, G. L., Bobik, A.
  2001; 21 (2): 208-213
- **Endothelial adhesiveness for monocytes is increased by nicotine**
  Chen, H. A., Heeschen, C., Stuehlinger, M., Weis, M., Tsao, P. S., Cooke, J. P.
  ELSEVIER SCIENCE INC.2001: 282A
- **Cyclic strain induces reactive oxygen species production via an endothelial NAD(P)H oxidase** *JOURNAL OF CELLULAR BIOCHEMISTRY*
  Matsushita, H., Lee, K. H., Tsao, P. S.
  2001: 99-106
- **Mechanotransduction of endothelial oxidative stress induced by cyclic strain** *ENDOTHELIUM-JOURNAL OF ENDOTHELIAL CELL RESEARCH*
  Wang, D. S., Proffit, D., Tsao, P. S.
  2001; 8 (4): 283-291
- **An endogenous inhibitor of nitric oxide synthase regulates endothelial adhesiveness for monocytes** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Boger, R. H., Bode-Boger, S. M., Tsao, P. S., Lin, P. S., Chan, J. R., Cooke, J. P.
  2000; 36 (7): 2287-2295
- **Hyperglycemia induces matrix metalloproteinase activity in vascular cells: Role of oxidative stress**
  Uemura, S., Matsushita, H. S., Asagami, T. K., Li, W., Lee, K. H., Tsao, P. S.
  LIPPINCOTT WILLIAMS & WILKINS.2000: 174–74
- **Metformin attenuates plasma asymmetric dimethylarginine and monocyte adhesion in type 2 diabetes**
  Asagami, T., Stuehlinger, M. C., Li, W., Abbasi, F. A., Tsao, P. S., Cooke, J. P., Reaven, G. M.
  LIPPINCOTT WILLIAMS & WILKINS.2000: 232–32
- **Regulated expression of endothelial cell-derived lipase** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
  Hirata, K., Ishida, T., Matsushita, H., Tsao, P. S., Quertermous, T.
  2000; 272 (1): 90-93
- **Asymmetric dimethylarginine increases mononuclear cell adhesiveness in hypercholesterolemic humans** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Chan, J. R., Boger, R. H., Bode-Boger, S. M., Tangphao, O., Tsao, P. S., Blaschke, T. F., Cooke, J. P.
  2000; 20 (4): 1040-1046
- **Nicotine is an agent of angiogenesis: Role of nitric oxide and prostacyclin**
  Heeschen, C., Ho, H. K., Jang, J., Kaji, S., Yang, P., Hu, B. S., Tsao, P., Cooke, J. P.
  ELSEVIER SCIENCE INC.2000: 545A–546A

- **Flow-responsive remodeling after angioplasty is dependent on oxidant stress**
  Ward, M. R., Tsao, P. S., Herity, N. A., Cooke, J. P., Yeung, A. C.
  LIPPINCOTT WILLIAMS & WILKINS.1999: 699–99
- **Gene transfer of nitric oxide synthase - Effects on endothelial biology** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Niebauer, J., Dulak, J., Chan, J. R., Tsao, P. S., Cooke, J. P.
  1999; 34 (4): 1201-1207
- **Enhanced monocyte adherence to thoracic aortae from rats with two forms of experimental hypertension** *AMERICAN JOURNAL OF HYPERTENSION*
  Asagami, T., Reaven, G. M., Tsao, P. S.
  1999; 12 (9): 890-893
- **Mononuclear cell adherence to cultured endothelium is enhanced by hypertension and insulin resistance in healthy nondiabetic volunteers** *CIRCULATION*
  Chen, N. G., Abbasi, F., Lamendola, C., McLaughlin, T., Cooke, J. P., Tsao, P. S., Reaven, G. M.
  1999; 100 (9): 940-943
- **Novel mechanism for endothelial dysfunction - Dysregulation of dimethylarginine dimethylaminohydrolase** *CIRCULATION*
  Ito, A., Tsao, P. S., Adimoolam, S., Kimoto, M., Ogawa, T., Cooke, J. P.
  1999; 99 (24): 3092-3095
- **Impaired aerobic capacity in hypercholesterolemic mice: partial reversal by exercise training** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
  Niebauer, J., Maxwell, A. J., Lin, P. S., Tsao, P. S., Kosek, J., Bernstein, D., Cooke, J. P.
  1999; 276 (4): H1346-H1354
- **Impaired aerobic capacity in hypercholesterolemic mice: partial reversal by exercise training.** *American journal of physiology. Heart and circulatory physiology*
  Niebauer, J., Maxwell, A. J., Lin, P. S., Tsao, P. S., Kosek, J., Bernstein, D., Cooke, J. P.
  1999; 276 (4): H1346–H1354
- **Regression of atherosclerosis - Role of nitric oxide and apoptosis** *CIRCULATION*
  Wang, B. Y., Ho, H. K., Lin, P. S., Schwarzacher, S. P., Pollman, M. J., Gibbons, G. H., Tsao, P. S., Cooke, J. P.
  1999; 99 (9): 1236-1241
- **Asymmetric dimethylarginine (ADMA): A novel risk factor for endothelial dysfunction - Its role in hypercholesterolemia** *CIRCULATION*
  Boger, R. H., Bode-Boger, S. M., Szuba, A., Tsao, P. S., Chan, J. R., Tangphao, O., Blaschke, T. F., Cooke, J. P.
  1998; 98 (18): 1842-1847
- **Adherence of mononuclear cells to endothelium is increased in patients with hypertension**
  Chen, N. G., Abbasi, F. A., CHEN, Y. D., Cooke, J. P., Tsao, P. S., Reaven, G. M.
  LIPPINCOTT WILLIAMS & WILKINS.1998: 376–76
- **Modulation of the nitric oxide synthase pathway in atherosclerosis** *EXPERIMENTAL PHYSIOLOGY*
  Maxwell, A. J., Tsao, P. S., Cooke, J. P.
  1998; 83 (5): 573-584
- **Interaction of diabetes and hypertension on determinants of endothelial adhesiveness** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Tsao, P. S., Niebauer, J., Buitrago, R., Lin, P. S., Wang, B. Y., Cooke, J. P., CHEN, Y. D., Reaven, G. M.
  1998; 18 (6): 947-953
- **Effect of cyclosporine on chronic graft vascular disease in a rat cardiac isograft model** *International Congress on Immunosuppression*
  Teranishi, K., Poston, R. S., Tsao, P. S., Asagami, T., Cooke, J. P., Reitz, B. A., Robbins, R. C.
  ELSEVIER SCIENCE INC.1998: 1012–13
- **Protein kinase C-epsilon mediates glucose-induced superoxide production and MCP-1 expression in endothelial cells**
  Tsao, P. S., Heidary, S., Wang, A., Chan, J. R., Reaven, G. M., Cooke, J. P.
  FEDERATION AMER SOC EXP BIOL.1998: A88–A88

- **Endothelial alterations in hypercholesterolemia: More than simply vasodilator dysfunction** *1st Meeting of the International Scientific Faculty on Endothelial Function*
  Tsao, P. S., Cooke, J. P.
  LIPPINCOTT WILLIAMS & WILKINS.1998: S48–S53

- **Adhesiveness of mononuclear cells in hypercholesterolemic humans is normalized by dietary L-arginine** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Theilmeier, G., Chan, J. R., Zalpour, C., Anderson, B., Wang, B. Y., Wolf, A., Tsao, P. S., Cooke, J. P.
  1997; 17 (12): 3557-3564

- **Anti-CD43 inhibits monocyte-endothelial adhesion in inflammation and atherogenesis** *BLOOD*
  McEvoy, L. M., JUTILA, M. A., Tsao, P. S., Cooke, J. P., BUTCHER, E. C.
  1997; 90 (9): 3587-3594

- **Adherence of mononuclear cells to endothelium in vitro is increased in patients with NIDDM** *DIABETES CARE*
  Carantoni, M., Abbasi, F., Chu, L., CHEN, Y. D., Reaven, G. M., Tsao, P. S., Varasteh, B., Cooke, J. P.
  1997; 20 (9): 1462-1465

- **Nitric oxide regulates monocyte chemotactic protein-1** *CIRCULATION*
  Tsao, P. S., Wang, B. Y., Buitrago, R., Shyy, J. Y., Cooke, J. P.
  1997; 96 (3): 934-940

- **Novel vascular molecule involved in monocyte adhesion to aortic endothelium in models of atherogenesis** *JOURNAL OF EXPERIMENTAL MEDICINE*
  McEvoy, L. M., Sun, H. L., Tsao, P. S., Cooke, J. P., Berliner, J. A., BUTCHER, E. C.
  1997; 185 (12): 2069-2077

- **Cell cycle inhibition preserves endothelial function in genetically engineered rabbit vein grafts** *JOURNAL OF CLINICAL INVESTIGATION*
  Mann, M. J., Gibbons, G. H., Tsao, P. S., VONDERLEYEN, H. E., Cooke, J. P., Buitrago, R., Kernoff, R., Dzau, V. J.
  1997; 99 (6): 1295-1301

- **Dietary L-arginine supplementation normalizes platelet aggregation in hypercholesterolemic humans** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Wolf, A., Zalpour, C., Theilmeier, G., Wang, B. Y., Ma, A., Anderson, B., Tsao, P. S., Cooke, J. P.
  1997; 29 (3): 479-485

- **The role of endothelium-derived nitric oxide in atherosclerosis** *European Congress of Angiology, 11th Meeting of the European Chapter (EUROCHAP 97)*
  Cooke, J. P., Tsao, P. S.
  ELSEVIER SCIENCE BV.1997: 3–14

- **Arginine restores nitric oxide activity and inhibits monocyte accumulation after vascular injury in hypercholesterolemic rabbits** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Wang, B. Y., Candipan, R. C., Arjomandi, M., HSIUN, P. T., Tsao, P. S., Cooke, J. P.
  1996; 28 (6): 1573-1579

- **Intravascular stenting changes vascular distensibility and upregulates nitric oxide activity**
  Schwarzacher, S. P., Niebauer, J., Hayase, M., Uren, N. G., Tsao, P., Yock, P. G., Yeung, A. C.
  LIPPINCOTT WILLIAMS & WILKINS.1996: 1526–26

- **Nitric oxide induces regression: Role of apoptosis**
  Wang, B. Y., Lin, P. S., Tsao, P. S., Cooke, J. P.
  LIPPINCOTT WILLIAMS & WILKINS.1996: 900–900

- **Fluid flow inhibits endothelial adhesiveness - Nitric oxide and transcriptional regulation of VCAM-1** *CIRCULATION*
  Tsao, P. S., Buitrago, R., Chan, J. R., Cooke, J. P.
  1996; 94 (7): 1682-1689

- **Hypertension-enhanced monocyte adhesion in experimental atherosclerosis** *JOURNAL OF VASCULAR SURGERY*
  Tropea, B. I., Huie, P., Cooke, J. P., Tsao, P. S., Sibley, R. K., Zarins, C. K.

1996; 23 (4): 596-605

- **Expression of inducible nitric oxide synthase fin human heart failure** *CIRCULATION*
  Haywood, G. A., Tsao, P. S., VONDERLEYEN, H. E., Mann, M. J., Kelling, P. J., Trindade, P. T., Lewis, N. P., Byrne, C. D., Rickenbacher, P. R., Bishopric, N. H., Cooke, J. P., McKenna, W. J., Fowler, et al
  1996; 93 (6): 1087-1094

- **Induction of nitric oxide synthase in the human cardiac allograft is associated with contractile dysfunction of the left ventricle** *CIRCULATION*
  Lewis, N. P., Tsao, P. S., Rickenbacher, P. R., Xue, C., Johns, R. A., Haywood, G. A., VONDERLEYEN, H., Trindade, P. T., Cooke, J. P., Hunt, S. A., Billingham, M. E., Valantine, H. A., Fowler, et al
  1996; 93 (4): 720-729

- **Regression or progression - Dependency on vascular nitric oxide** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
  Candipan, R. C., Wang, B. Y., Buitrago, R., Tsao, P. S., Cooke, J. P.
  1996; 16 (1): 44-50

- **Effects of felodipine on vascular structure, function and monocyte endothelial interaction in the hypercholesterolemic rabbit.**
  Wang, B. Y., Niebauer, J., Singer, A. H., Tsao, P. S., Cooke, J. P.
  SLACK INC.1996: A102

- **Felodipine inhibits intimal lesion formation in the hypercholesterolemic rabbit: differential effects on endothelial and monocyte determinants of atherogenesis.** *Vascular medicine*
  Wang, B. Y., Niebauer, J., Singer, A. H., Tsao, P. S., Cooke, J. P.
  1996; 1 (3): 173-179

- **EXPOSURE TO SHEAR-STRESS ALTERS ENDOTHELIAL ADHESIVENESS - ROLE OF NITRIC-OXIDE** *CIRCULATION*
  Tsao, P. S., Lewis, N. P., Alpert, S., Cooke, J. P.
  1995; 92 (12): 3513-3519

- **SUPEROXIDE GENERATION FROM ENDOTHELIAL-CELLS EXPOSED TO OXIDIZED LDL CAN BE REDUCED BY NITRIC-OXIDE SYNTHASE GENE-TRANSFER IN-VITRO**
  Buitrago, R., VONDERLEYEN, H. E., Tsao, P. S., Mann, M. J., Gibbons, G. H., Cooke, J. P., Dzau, V. J.
  LIPPINCOTT WILLIAMS & WILKINS.1995: 1733–33

- **GENETIC-ENGINEERING OF VEIN GRAFTS RESISTANT TO ATHEROSCLEROSIS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Mann, M. J., Gibbons, G. H., Kernoff, R. S., DIET, F. P., Tsao, P. S., Cooke, J. P., Kaneda, Y., Dzau, V. J.
  1995; 92 (10): 4502-4506

- **DISCORDANT EFFECTS OF DIETARY L-ARGININE ON VASCULAR STRUCTURE AND REACTIVITY IN HYPERCHOLESTEROLEMIC RABBITS** *JOURNAL OF CARDIOVASCULAR PHARMACOLOGY*
  Singer, A. H., Tsao, P. S., Wang, B. Y., Bloch, D. A., Cooke, J. P.
  1995; 25 (5): 710-716

- **ENDOGENOUS AND EXOGENOUS NITRIC-OXIDE INHIBITS LIPID-INDUCED AND CYTOKINE-INDUCED MONOCYTE ADHESION TO ENDOTHELIAL-CELLS**
  TSAO, P. S., WANG, B. Y., CHAN, COOKE, J. P.
  FEDERATION AMER SOC EXP BIOL.1995: A37

- **L-ARGININE ATTENUATES PLATELET REACTIVITY IN HYPERCHOLESTEROLEMIC RABBITS** *ARTERIOSCLEROSIS AND THROMBOSIS*
  Tsao, P. S., Theilmeier, G., Singer, A. H., Leung, L. L., Cooke, J. P.
  1994; 14 (10): 1529-1533

- **ENHANCED ENDOTHELIAL ADHESIVENESS IN HYPERCHOLESTEROLEMIA IS ATTENUATED BY L-ARGININE** *CIRCULATION*
  Tsao, P. S., McEvoy, L. M., Drexler, H., BUTCHER, E. C., Cooke, J. P.
  1994; 89 (5): 2176-2182

- **DIETARY ARGININE ALTERS ENDOTHELIAL ADHESIVENESS VIA NO**
  Tsao, P. S., Wang, B. Y., Cooke, J. P.
  SLACK INC.1994: A175–A175

- **DIETARY ARGININE PREVENTS ATHEROGENESIS IN THE CORONARY-ARTERY OF THE HYPERCHOLESTEROLEMIC RABBIT** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Wang, B. Y., Singer, A. H., Tsao, P. S., Drexler, H., Kosek, J., Cooke, J. P.
  1994; 23 (2): 452-458
- **DIETARY L-ARGININE REDUCES PLATELET REACTIVITY IN HYPERCHOLESTEROLEMIC RABBITS**
  Tsao, P. S., Singer, A. H., Ohno, M., Kaplan, A. V., Leung, L., Cooke, J. P.
  SLACK INC.1993: A78–A78
- **The role of endothelial dysfunction in restenosis.** *Revista portuguesa de cardiologia*
  Cooke, J. P., Tsao, P. S.
  1992; 11 (10): 889-892
- **CELLULAR MECHANISMS OF ATHEROGENESIS AND THE EFFECTS OF NITRIC-OXIDE** *CURRENT OPINION IN CARDIOLOGY*
  Cooke, J. P., Tsao, P.
  1992; 7 (5): 799-804
- **ANTIATHEROGENIC EFFECTS OF L-ARGININE IN THE HYPERCHOLESTEROLEMIC RABBIT** *JOURNAL OF CLINICAL INVESTIGATION*
  Cooke, J. P., Singer, A. H., Tsao, P., ZERA, P., Rowan, R. A., Billingham, M. E.
  1992; 90 (3): 1168-1172