Stanford



# John Witte

Professor of Epidemiology and Population Health, of Biomedical Data Science and of Genetics

### CONTACT INFORMATION

- **Administrative Contact**

  Sweden Smith - Administrative Associate, Epidemiology and Population Health

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## Bio

### BIO

John is an internationally recognized expert in genetic epidemiology who integrates genomic, clinical, and environmental data with machine learning to understand and predict factors underlying cancer and other complex traits. His lab and collaborators develop novel methods for risk estimation and prediction using large-scale data from biobanks and cohorts. This includes recent advances that genetically adjust biomarkers to improve screening and outcome prediction (e.g., adjusted prostate specific antigen for prostate cancer). His research program has been continuously supported by the National Cancer Institute, where he served on the Board of Scientific Counselors. A committed educator and mentor, John has guided more than 50 trainees, including pre- and postdoctoral fellows, and co-directs an NIH T32 predoctoral training program focused on the genetic and environmental basis of cancer risk. Prior to Stanford, he was Professor and Vice Chair of Epidemiology and Biostatistics at UCSF.

### ACADEMIC APPOINTMENTS

- Professor, Epidemiology and Population Health
- Professor, Department of Biomedical Data Science
- Professor, Genetics
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

### ADMINISTRATIVE APPOINTMENTS

- Vice Chair, Department of Epidemiology and Population Health, Stanford University, (2021- present)
- Co-Leader, Program in Population Sciences, Stanford Cancer Institute, (2025- present)

### PROFESSIONAL EDUCATION

- Post-doc, University of Southern California , Biostatistics (1995)
- PhD, University of California, Los Angeles , Epidemiology (1994)
- MS, University of California, Berkeley , Industrial Engineering & Operations Research (1988)

- BS, University of California, Santa Barbara , Mathematical Sciences (1986)

### LINKS

- Google Scholar list of publications: https://scholar.google.com/citations?user=0jbq_9cAAAAJ&hl=en

## Research & Scholarship

### CURRENT RESEARCH AND SCHOLARLY INTERESTS

The Witte Lab is a computational and statistical genetics group focused on deciphering the genetic and molecular mechanisms underlying cancer and other complex traits. We undertake integrative analyses across large multi-ancestry cohorts and biobanks, developing and applying methods at the interface of epidemiology, statistical genetics, and machine learning. We have close collaborations with clinical partners to translate findings into tools that improve risk stratification, screening, and prevention.

We have openings for pre- and post-doctoral trainees. Please contact John Witte if you are interested in rotating or joining our group.

Core research areas:

> Precision screening in prostate cancer

+ Genetically adjusted PSA to reduce unnecessary biopsies and improve detection of clinically significant disease

+ Risk prediction for disease occurrence and aggressiveness using integrated genomic and clinical data

> Polygenic risk scores (PRS) across ancestries

+ Methods to construct and calibrate PRS in multi-ancestry cohorts

+ Evaluation of PRS alongside traditional risk factors to estimate absolute and excess relative risk

> Cross-cancer and multi-phenotype genetics

+ Pan-cancer analyses that identify shared genetic basis across malignancies

+ Whole-exome and genome-wide studies of susceptibility to multiple primary cancers

> Bayesian hierarchical modeling to reveal mechanisms underlying disease susceptibility and progression

> Investigations of the genetic basis of repeat expansion disorders

## Teaching

### COURSES

**2026-27**

- Genetic Epidemiology: EPI 224, GENE 230 (Win)

**2025-26**

- Disease Detectives in the UK: Using Epidemiology and Genetics to Improve the Public's Health: OSPOXFRD 8 (Aut)

**2024-25**

- Genetic Epidemiology: EPI 224, GENE 230 (Win)

**2023-24**

- Genetic Epidemiology: EPI 224, GENE 230 (Win)

### STANFORD ADVISEES

**Postdoctoral Faculty Sponsor**

Martina Fu, Mykhaylo Malakhov, Brenda Xiao

**Doctoral Dissertation Advisor (AC)**

Karen Feng, Rakesh Natarajan

**Master's Program Advisor**

Jorge Bernate Marcucci, Kuniaki Iwanami, I-Hsin (Florance) Ma, Ashley Celestine Tamdjo

**Doctoral (Program)**

Jane Fan, Rakesh Natarajan

## Publications

### PUBLICATIONS

- **Accounting for Selected Genetic Regulators of Prostate-Specific Antigen Levels Enhances Prostate Cancer Prediction**
  Malakhov, M. M., Fu, M., Xiao, B., Hoffmann, T. J., Graff, R. E., Fusco, D., Yang, Z., Ganna, A., Witte, J. S., Kachuri, L.
  WILEY.2026: 47

- **Identifying Genes Associated with Obstructive Congenital Heart Defects Using a Family-Based Genetic Random Field Method: Results from the National Birth Defects Prevention Study.** *HGG advances*
  Huang, M., Liu, N., Ware, S. M., Witte, J. S., Gelb, B. D., Nembhard, W. N., Werler, M., Howley, M. M., Botto, L., Agopian, A. J., Oluwafemi, O. O., Jenkins, M. M., Almli, et al
  2026: 100648

- **Allele Frequencies at Recessive Disease Genes are Mainly Determined by Pleiotropic Effects in Heterozygotes.** *Genetics*
  Judd, J., Spence, J. P., Milind, N., Kachuri, L., Witte, J. S., Pritchard, J. K.
  2026

- **Contextualizing the Utility of Polygenic Risk Scores using Absolute Risk Models in Diverse Ancestry Populations.** *medRxiv : the preprint server for health sciences*
  Fu, M., Kachuri, L., Huo, D., Witte, J. S., Natarajan, P., Chatterjee, N.
  2026

- **Germline polygenic score for prostate cancer aggressiveness.** *medRxiv : the preprint server for health sciences*
  Xu, G., Karunamuni, R., Dornisch, A. M., Brunette, C. A., Danowski, M. E., Desai, H., Dochtermann, D., Garraway, I. P., Hauger, R. L., Kibel, A. S., Lynch, J. A., Pyarajan, S., Rose, et al
  2026

- **Allele Frequencies at Recessive Disease Genes are Mainly Determined by Pleiotropic Effects in Heterozygotes.** *bioRxiv : the preprint server for biology*
  Judd, J., Spence, J. P., Milind, N., Kachuri, L., Witte, J. S., Pritchard, J. K.
  2025

- **Evaluation of Polygenic Risk Scores for a Possible Genetic Basis of the Inverse Association Between Cancer and Cognitive Decline.** *Alzheimer disease and associated disorders*
  Graff, R. E., Chen, D. M., Swinnerton, K. N., Ackley, S. F., Ospina-Romero, M., Zimmerman, S. C., Wang, J., Buto, P., Nierenberg, J. L., Elahi, F. M., Lu, K. P., Witte, J. S., Glymour, et al
  2025

- **Leveraging sequences missing from the human genome to diagnose cancer.** *Communications medicine*
  Georgakopoulos-Soares, I., Yizhar-Barnea, O., Mouratidis, I., Chan, C. S., Patsakis, M., Nayak, A., Bradley, R., Mahajan, M., Sims, J., Cintron, D. L., Easterlin, R., Kim, J. S., Chen, et al
  2025; 5 (1): 363

- **Investigating the Role of Neighborhood Socioeconomic Status and Germline Genetics on Prostate Cancer Risk.** *HGG advances*
  Judd, J., Spence, J. P., Pritchard, J. K., Kachuri, L., Witte, J. S.
  2025: 100492

- **SLCO1B1 Functional Variants, Bilirubin, Statin-Induced Myotoxicity, and Recent Sub-Saharan African Ancestry: A Precision Medicine Health Equity Study.** *Clinical pharmacology and therapeutics*
  Haldar, T., Kvale, M., Yang, J., Douglas, M. P., Coyote-Maetas, W., Kachuri, L., Witte, J. S., Iribarren, C., Medina, M. W., Krauss, R. M., Yee, S. W., Oni-Orisan, A.
  2025

- **Genome-wide association study of prostate-specific antigen levels in 392,522 men identifies new loci and improves prediction across ancestry groups.** *Nature genetics*
  Hoffmann, T. J., Graff, R. E., Madduri, R. K., Rodriguez, A. A., Cario, C. L., Feng, K., Jiang, Y., Wang, A., Klein, R. J., Pierce, B. L., Eggener, S., Tong, L., Blot, et al
  2025

- **Unraveling the genetic landscape of susceptibility to multiple primary cancers.** *HGG advances*
  Middha, P., Kachuri, L., Nierenberg, J. L., Graff, R. E., Cavazos, T. B., Hoffmann, T. J., Zhang, J., Alexeeff, S., Habel, L., Corley, D. A., Van Den Eeden, S., Kushi, L. H., Ziv, et al
  2025: 100413

- **Author Correction: Genetically adjusted PSA levels for prostate cancer screening.** *Nature medicine*
  Kachuri, L., Hoffmann, T. J., Jiang, Y., Berndt, S. I., Shelley, J. P., Schaffer, K. R., Machiela, M. J., Freedman, N. D., Huang, W. Y., Li, S. A., Easterlin, R., Goodman, P. J., Till, et al
  2025

- **Genome-Wide Association Analyses of HPV16 and HPV18 Seropositivity Identify Susceptibility Loci for Cervical Cancer.** *Journal of medical virology*
  Beckhaus, T., Kachuri, L., Nakase, T., Schürmann, P., Eisenblätter, R., Geerts, M., Böhmer, G., Strauß, H. G., Hirchenhain, C., Schmidmayr, M., Müller, F., Fasching, P. A., Häfner, et al
  2025; 97 (2): e70195

- **Tumor Necrosis Factor-Alpha Inhibitor Use and Malignancy Risk: A Systematic Review and Patient Level Meta-Analysis.** *Cancers*
  Driscoll, C. B., Rich, J. M., Isaacson, D., Nicolas, J., Jiang, Y., Mi, X., Yang, C., Kocsuta, V., Goh, R., Patel, N., Li, E., Siddiqui, M. R., Meyers, et al
  2025; 17 (3)

- **Polygenic Risk Score and Upgrading in Patients With Prostate Cancer Receiving Active Surveillance.** *JAMA oncology*
  Goss, L. B., Liu, M., Zheng, Y., Guo, B., Conti, D. V., Haiman, C. A., Kachuri, L., Catalona, W. J., Witte, J. S., Lin, D. W., Newcomb, L. F., Darst, B. F.
  2024

- **Genomic risk loci for cervical cancer: Associations with disease severity and HPV type**
  Beckhaus, T., Kachuri, L., Seifert, F., Eisenblaetter, R., Liao, D., Schuermann, P., Boehmer, G., Strauss, H., Hirchenhain, C., Monika, S., Mueller, F., Fasching, P., Haefner, et al
  SPRINGERNATURE.2024: 1262-1263

- **Genomic risk loci for cervical cancer: Associations with disease severity and HPV type**
  Beckhaus, T., Kachuri, L., Seifert, F., Eisenblaetter, R., Liao, D., Schuermann, P., Boehmer, G., Strauss, H., Hirchenhain, C., Monika, S., Mueller, F., Fasching, P., Haefner, et al
  SPRINGERNATURE.2024: 1262-1263

- **The PRIMED Consortium: Reducing disparities in polygenic risk assessment.** *American journal of human genetics*
  Kullo, I. J., Conomos, M. P., Nelson, S. C., Adebamowo, S. N., Choudhury, A., Conti, D., Fullerton, S. M., Gogarten, S. M., Heavner, B., Hornsby, W. E., Kenny, E. E., Khan, A., Khera, et al
  2024

- **Unraveling the genetic landscape of susceptibility to multiple primary cancers.** *medRxiv : the preprint server for health sciences*
  Middha, P., Kachuri, L., Nierenberg, J. L., Graff, R. E., Cavazos, T. B., Hoffmann, T. J., Zhang, J., Alexeeff, S., Habel, L., Corley, D. A., Van Den Eeden, S., Kushi, L. H., Ziv, et al
  2024

- **Transcriptome-Wide Association Analysis Identifies Candidate Susceptibility Genes for Prostate-Specific Antigen Levels in Men Without Prostate Cancer.** *HGG advances*

Chen, D. M., Dong, R., Kachuri, L., Hoffmann, T., Jiang, Y., Berndt, S. I., Shelley, J. P., Schaffer, K. R., Machiela, M. J., Freedman, N. D., Huang, W. Y., Li, S. A., Lilja, et al

2024: 100315

- **The full spectrum of SLC22 OCT1 mutations illuminates the bridge between drug transporter biophysics and pharmacogenomics.** *Molecular cell*

  Yee, S. W., Macdonald, C. B., Mitrovic, D., Zhou, X., Koleske, M. L., Yang, J., Buitrago Silva, D., Rockefeller Grimes, P., Trinidad, D. D., More, S. S., Kachuri, L., Witte, J. S., Delemotte, et al

  2024

- **Characterizing prostate cancer risk through multi-ancestry genome-wide discovery of 187 novel risk variants.** *Nature genetics*

  Wang, A., Shen, J., Rodriguez, A. A., Saunders, E. J., Chen, F., Janivara, R., Darst, B. F., Sheng, X., Xu, Y., Chou, A. J., Benlloch, S., Dadaev, T., Brook, et al

  2023

- **Clinical consequences of a genetic predisposition toward higher benign prostate-specific antigen levels.** *EBioMedicine*

  Shi, M., Shelley, J. P., Schaffer, K. R., Tosoian, J. J., Bagheri, M., Witte, J. S., Kachuri, L., Mosley, J. D.

  2023; 97: 104838

- **Quantitative analysis of MGMT promoter methylation in glioblastoma suggests nonlinear prognostic effect.** *Neuro-oncology advances*

  Gibson, D., Ravi, A., Rodriguez, E., Chang, S., Oberheim Bush, N., Taylor, J., Clarke, J., Solomon, D., Scheffler, A., Witte, J., Lambing, H., Okada, H., Berger, et al

  2023; 5 (1): vdad115

- **Principles and methods for transferring polygenic risk scores across global populations.** *Nature reviews. Genetics*

  Kachuri, L., Chatterjee, N., Hirbo, J., Schaid, D. J., Martin, I., Kullo, I. J., Kenny, E. E., Pasaniuc, B., Witte, J. S., Ge, T.

  2023

- **A gene-based association test of interactions for maternal-fetal genotypes identifies genes associated with nonsyndromic congenital heart defects.** *Genetic epidemiology*

  Huang, M., Lyu, C., Liu, N., Nembhard, W. N., Witte, J. S., Hobbs, C. A., Li, M.

  2023

- **Evaluating approaches for constructing polygenic risk scores for prostate cancer in men of African and European ancestry.** *American journal of human genetics*

  Darst, B. F., Shen, J., Madduri, R. K., Rodriguez, A. A., Xiao, Y., Sheng, X., Saunders, E. J., Dadaev, T., Brook, M. N., Hoffmann, T. J., Muir, K., Wan, P., Le Marchand, et al

  2023

- **The full spectrum of OCT1 (SLC22A1) mutations bridges transporter biophysics to drug pharmacogenomics.** *bioRxiv : the preprint server for biology*

  Yee, S. W., Macdonald, C., Mitrovic, D., Zhou, X., Koleske, M. L., Yang, J., Silva, D. B., Grimes, P. R., Trinidad, D., More, S. S., Kachuri, L., Witte, J. S., Delemotte, et al

  2023

- **Genetically adjusted PSA levels for prostate cancer screening.** *Nature medicine*

  Kachuri, L., Hoffmann, T. J., Jiang, Y., Berndt, S. I., Shelley, J. P., Schaffer, K. R., Machiela, M. J., Freedman, N. D., Huang, W. Y., Li, S. A., Easterlin, R., Goodman, P. J., Till, et al

  2023

- **A complex systems model of breast cancer etiology: The Paradigm II Model.** *PloS one*

  Hiatt, R. A., Worden, L., Rehkopf, D., Engmann, N., Troester, M., Witte, J. S., Balke, K., Jackson, C., Barlow, J., Fenton, S. E., Gehlert, S., Hammond, R. A., Kaplan, et al

  2023; 18 (5): e0282878

- **Controlled trial of decision support for men with early-stage prostate cancer: brief research report of effects on patient knowledge** *FRONTIERS IN UROLOGY*

  Belkora, J. K., Broering, J. M., Neuhaus, J., Zargham, A., Weinberg, T., Witte, J. S., Kenfield, S. A., Van Blarigan, E. L., Cooperberg, M. R., Carroll, P. R., Chan, J. M.

  2023; 3: 1127089

- **Evaluating Approaches for Constructing Polygenic Risk Scores for Prostate Cancer in Men of African and European Ancestry.** *medRxiv : the preprint server for health sciences*
  Darst, B. F., Shen, J., Madduri, R. K., Rodriguez, A. A., Xiao, Y., Sheng, X., Saunders, E. J., Dadaev, T., Brook, M. N., Hoffmann, T. J., Muir, K., Wan, P., Le Marchand, et al
  2023

- **Development and testing of a polygenic risk score for breast cancer aggressiveness.** *NPJ precision oncology*
  Shieh, Y., Roger, J., Yau, C., Wolf, D. M., Hirst, G. L., Swigart, L. B., Huntsman, S., Hu, D., Nierenberg, J. L., Middha, P., Heise, R. S., Shi, Y., Kachuri, et al
  2023; 7 (1): 42

- **Transcriptome-Wide Association Analysis Identifies Novel Candidate Susceptibility Genes for Prostate-Specific Antigen Levels in Men Without Prostate Cancer.** *medRxiv : the preprint server for health sciences*
  Chen, D. M., Dong, R., Kachuri, L., Hoffmann, T., Jiang, Y., Berndt, S. I., Shelley, J. P., Schaffer, K. R., Machiela, M. J., Freedman, N. D., Huang, W., Li, S. A., Lilja, et al
  2023

- **A Polygenic Risk Score for Prostate Cancer Risk Prediction.** *JAMA internal medicine*
  Schaffer, K. R., Shi, M., Shelley, J. P., Tosoian, J. J., Kachuri, L., Witte, J. S., Mosley, J. D.
  2023

- **Evidence of Novel Susceptibility Variants for Prostate Cancer and a Multiancestry Polygenic Risk Score Associated with Aggressive Disease in Men of African Ancestry.** *European urology*
  Chen, F., Madduri, R. K., Rodriguez, A. A., Darst, B. F., Chou, A., Sheng, X., Wang, A., Shen, J., Saunders, E. J., Rhie, S. K., Bensen, J. T., Ingles, S. A., Kittles, et al
  2023

- **Re-envisioning community genetics: community empowerment in preventive genomics.** *Journal of community genetics*
  Wand, H., Martschenko, D. O., Smitherman, A., Michelson, S., Pun, T., Witte, J. S., Scott, S. A., Cho, M. K., Ashley, E. A., Preventive Genomics Program Co-Design Working Group, Goldberg, E., Knepper, L., Michelson, S., et al
  2023

- **Use of Monitoring Tests Among Patients With Localized Prostate Cancer Managed With Observation.** *The Journal of urology*
  Leapman, M. S., Wang, R., Loeb, S., Seibert, T. M., Gaylis, F. D., Lowentritt, B., Brown, G. A., Chen, R., Lin, D., Witte, J., Cooperberg, M. R., Catalona, W. J., Gross, et al
  2023: 101097JU0000000000003159

- **Development and testing of a polygenic risk score for breast cancer. Aggressiveness.**
  Shieh, Y., Roger, J., Yau, C., Wolf, D., Hirst, G., Swigart, L., Huntsman, S., Hu, D., Nierenberg, J., Middha, P., Heise, R., Kachuri, L., Zhu, et al
  AMER ASSOC CANCER RESEARCH.2023

- **Development and testing of a polygenic risk score for breast cancer. Aggressiveness**
  Shieh, Y., Roger, J., Yau, C., Wolf, D., Hirst, G., Swigart, L., Huntsman, S., Hu, D., Nierenberg, J., Middha, P., Heise, R., Kachuri, L., Zhu, et al
  AMER ASSOC CANCER RESEARCH.2023

- **Development and testing of a polygenic risk score for breast cancer. Aggressiveness**
  Shieh, Y., Roger, J., Yau, C., Wolf, D., Hirst, G., Swigart, L., Huntsman, S., Hu, D., Nierenberg, J., Middha, P., Heise, R., Kachuri, L., Zhu, et al
  AMER ASSOC CANCER RESEARCH.2023

- **Assessment of genetic susceptibility to multiple primary cancers through whole-exome sequencing in two large multi-ancestry studies.** *BMC medicine*
  Cavazos, T. B., Kachuri, L., Graff, R. E., Nierenberg, J. L., Thai, K. K., Alexeeff, S., Van Den Eeden, S., Corley, D. A., Kushi, L. H., Hoffmann, T. J., Ziv, E., Habel, L. A., Jorgenson, et al
  2022; 20 (1): 332

- **Cross-ancestry genome-wide meta-analysis of 61,047 cases and 947,237 controls identifies new susceptibility loci contributing to lung cancer.** *Nature genetics*
  Byun, J., Han, Y., Li, Y., Xia, J., Long, E., Choi, J., Xiao, X., Zhu, M., Zhou, W., Sun, R., Bossé, Y., Song, Z., Schwartz, et al
  2022

- **Random Field Modeling of Multi-trait Multi-locus Association for Detecting Methylation Quantitative Trait Loci.** *Bioinformatics (Oxford, England)*

Lyu, C., Huang, M., Liu, N., Chen, Z., Lupo, P. J., Tycko, B., Witte, J. S., Hobbs, C. A., Li, M.
2022

- **Genetic determinants of PSA levels improve prostate cancer screening**
  Kachuri, L., Graff, R. E., Berndt, S. I., Machiela, M., Freedman, N. D., Chanock, S. J., Shelley, J. P., Schaffer, K., Mosley, J. D., Goodman, P. J., Till, C., Thompson, I., Klein, et al
  AMER ASSOC CANCER RESEARCH.2022

- **Genetic risk factors for the development of multiple primary cancers**
  Nierenberg, J. L., Kachuri, L., Cavazos, T. B., Graff, R. E., Hoffmann, T. J., Zhang, J., Alexeeff, S., Habel, L., Corley, D., Van den Eeden, S., Ziv, E., Sakoda, L. C., Witte, et al
  AMER ASSOC CANCER RESEARCH.2022

- **Cancer systems epidemiology: Overcoming misconceptions and integrating systems approaches into cancer research.** *PLoS medicine*
  Mabry, P. L., Pronk, N. P., Amos, C. I., Witte, J. S., Wedlock, P. T., Bartsch, S. M., Lee, B. Y.
  2022; 19 (6): e1004027

- **Genetic analysis of lung cancer and the germline impact on somatic mutation burden.** *Journal of the National Cancer Institute*
  Gabriel, A. A., Atkins, J. R., Penha, R. C., Smith-Byrne, K., Gaborieau, V., Voegele, C., Abedi-Ardekani, B., Milojevic, M., Olaso, R., Meyer, V., Boland, A., Deleuze, J. F., Zaridze, et al
  2022

- **A genome-wide association study of obstructive heart defects among participants in the National Birth Defects Prevention Study.** *American journal of medical genetics. Part A*
  Rashkin, S. R., Cleves, M., Shaw, G. M., Nembhard, W. N., Nestoridi, E., Jenkins, M. M., Romitti, P. A., Lou, X., Browne, M. L., Mitchell, L. E., Olshan, A. F., Lomangino, K., Bhattacharyya, et al
  2022

- **Genome-Wide Meta-analysis Identifies Genetic Variants Associated With Glycemic Response to Sulfonylureas. Diabetes Care 2021;44:2673-2682** *DIABETES CARE*
  Dawed, A. Y., Yee, S., Zhou, K., van Leeuwen, N., Zhang, Y., Siddiqui, M. K., Etheridge, A., Innocenti, F., Xu, F., Li, J. H., Beulens, J. W., van der Heijden, A. A., Slieker, et al
  2022; 45 (4): E82-E83

- **Association Between a 22-feature Genomic Classifier and Biopsy Gleason Upgrade During Active Surveillance for Prostate Cancer.** *European urology open science*
  Press, B. H., Jones, T., Olawoyin, O., Lokeshwar, S. D., Rahman, S. N., Khajir, G., Lin, D. W., Cooperberg, M. R., Loeb, S., Darst, B. F., Zheng, Y., Chen, R. C., Witte, et al
  2022; 37: 113-119

- **Genetic Factors Associated with Prostate Cancer Conversion from Active Surveillance to Treatment.** *HGG advances*
  Jiang, Y., Meyers, T. J., Emeka, A. A., Cooley, L. F., Cooper, P. R., Lancki, N., Helenowski, I., Kachuri, L., Lin, D. W., Stanford, J. L., Newcomb, L. F., Kolb, S., Finelli, et al
  1800; 3 (1)

- **The Role of Dementia Diagnostic Delay in the Inverse Cancer-Dementia Association** *JOURNALS OF GERONTOLOGY SERIES A-BIOLOGICAL SCIENCES AND MEDICAL SCIENCES*
  Hayes-Larson, E., Shaw, C., Ackley, S. F., Zimmerman, S. C., Glymour, M., Graff, R. E., Witte, J. S., Kobayashi, L., Mayeda, E.
  2022; 77 (6): 1254-1260

- **Genome-Wide Meta-analysis Identifies Genetic Variants Associated With Glycemic Response to Sulfonylureas** *DIABETES CARE*
  Dawed, A. Y., Yee, S., Zhou, K., van Leeuwen, N., Zhang, Y., Siddiqui, M. K., Etheridge, A., Innocenti, F., Xu, F., Li, J. H., Beulens, J. W., van der Heijden, A. A., Slieker, et al
  2021; 44 (12): 2673-2682

- **Residential particulate matter, proximity to major roads, traffic density and traffic volume as risk factors for preterm birth in California.** *Paediatric and perinatal epidemiology*
  Costello, J. M., Steurer, M. A., Baer, R. J., Witte, J. S., Jelliffe-Pawlowski, L. L.
  2021

- **Factors Associated With Time to Conversion from Active Surveillance to Treatment for Prostate Cancer in a Multi-Institutional Cohort** *JOURNAL OF UROLOGY*

Cooley, L., Emeka, A. A., Meyers, T. J.
2021; 206 (5): 1147

- **REPLY BY AUTHORS** *JOURNAL OF UROLOGY*
  [Anonymous]
  2021; 206 (5): 1156

- **Genetic determinants of blood-cell traits influence susceptibility to childhood acute lymphoblastic leukemia.** *American journal of human genetics*
  Kachuri, L., Jeon, S., DeWan, A. T., Metayer, C., Ma, X., Witte, J. S., Chiang, C. W., Wiemels, J. L., de Smith, A. J.
  2021; 108 (10): 1823-1835

- **Detecting methylation quantitative trait loci using a methylation random field method** *BRIEFINGS IN BIOINFORMATICS*
  Lyu, C., Huang, M., Liu, N., Chen, Z., Lupo, P. J., Tycko, B., Witte, J. S., Hobbs, C. A., Li, M.
  2021; 22 (6)

- **The Association Between Cancer and Spousal Rate of Memory Decline A Negative Control Study to Evaluate (Unmeasured) Social Confounding of the Cancer-memory Relationship** *ALZHEIMER DISEASE & ASSOCIATED DISORDERS*
  Ospina-Romero, M., Brenowitz, W. D., Glymour, M., Mayeda, E. R., Graff, R. E., Witte, J. S., Ackley, S. F., Lu, K., Kobayashi, L. C.
  2021; 35 (3): 271-274

- **Multiethnic prostate cancer GWAS meta-analysis identifies novel variants, improves genetic risk prediction across populations, and informs biological mechanisms of prostate cancer.**
  Darst, B. F., Moss, L., Saunders, E. J., Mancuso, N., Sheng, X., Chou, A., Dadaev, T., Berndt, S. I., Van den Eeden, S. K., Chanock, S. J., Cook, M. B., Layne, T. M., Albanes, et al
  AMER ASSOC CANCER RESEARCH.2021

- **Meta-analysis in more than 80,000 men of African ancestry identified nine novel variants associated with prostate cancer.**
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