



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

Email s1smith@stanford.edu

Tel 650-497-2812

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

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)

2022-23

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

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Martina Fu, Mykhaylo Malakhov, Brenda Xiao

Doctoral Dissertation Advisor (AC)

Jane Fan, Karen Feng

Master's Program Advisor

Kuniaki Iwanami, Zoe Quake

Doctoral (Program)

Jane Fan

Publications

PUBLICATIONS

- **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., Eggen, 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
SPRINGER NATURE.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
SPRINGER NATURE.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
- **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
- **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
- **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: 101097JU00000000000003159
 - **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
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.**
Chen, F., Madduri, R. K., Sheng, X., Rodriguez, A., Chou, A., Edwards, T. L., Van den Eeden, S. K., Eeles, R. A., Witte, J. S., Cook, M. B., Blot, W. J., Conti, D. V., Gaziano, et al
AMER ASSOC CANCER RESEARCH.2021
- **Inflammatory bowel disease induces inflammatory and preneoplastic changes in the prostate (May, 10.1038/s41391-021-00392-7, 2021) PROSTATE CANCER AND PROSTATIC DISEASES**
Desai, A. S., Sagar, V., Lysy, B., Weiner, A. B., Ko, O. S., Driscoll, C., Rodriguez, Y., Vatapalli, R., Unno, K., Han, H., Cohen, J. E., Vo, A. X., Pham, et al
2022; 25 (2): 375
- **Inflammatory bowel disease induces inflammatory and pre-neoplastic changes in the prostate PROSTATE CANCER AND PROSTATIC DISEASES**
Desai, A. S., Sagar, V., Lysy, B., Weiner, A. B., Ko, O. S., Driscoll, C., Rodriguez, Y., Vatapalli, R., Unno, K., Han, H., Cohen, J. E., Vo, A. X., Pham, et al
2022; 25 (3): 463-471
- **A Large-Scale Association Study Detects Novel Rare Variants, Risk Genes, Functional Elements, and Polygenic Architecture of Prostate Cancer Susceptibility. Cancer research**
Emami, N. C., Cavazos, T. B., Rashkin, S. R., Cario, C. L., Graff, R. E., Tai, C. G., Mefford, J. A., Kachuri, L., Wan, E., Wong, S., Aaronson, D., Presti, J., Habel, et al
2021; 81 (7): 1695-1703
- **Discovery and fine-mapping of height loci via high-density imputation of GWASs in individuals of African ancestry. American journal of human genetics**
Graff, M., Justice, A. E., Young, K. L., Marouli, E., Zhang, X., Fine, R. S., Lim, E., Buchanan, V., Rand, K., Feitosa, M. F., Wojczynski, M. K., Yanek, L. R., Shao, et al
2021
- **Cell-free DNA concentration and fragment size as a biomarker for prostate cancer. Scientific reports**
Chen, E., Cario, C. L., Leong, L., Lopez, K., Marquez, C. P., Chu, C., Li, P. S., Oropeza, E., Tenggara, I., Cowan, J., Simko, J. P., Chan, J. M., Friedlander, et al
2021; 11 (1): 5040
- **Cross-cancer evaluation of polygenic risk scores for 16 cancer types in two large cohorts. Nature communications**
Graff, R. E., Cavazos, T. B., Thai, K. K., Kachuri, L., Rashkin, S. R., Hoffman, J. D., Alexeeff, S. E., Blatchins, M., Meyers, T. J., Leong, L., Tai, C. G., Emami, N. C., Corley, et al
2021; 12 (1): 970
- **A two-step approach to testing overall effect of gene-environment interaction for multiple phenotypes BIOINFORMATICS**
Majumdar, A., Burch, K. S., Haldar, T., Sankararaman, S., Pasaniuc, B., Gauderman, W., Witte, J. S.
2020; 36 (24): 5640-5648
- **Inclusion of variants discovered from diverse populations improves polygenic risk score transferability HUMAN GENETICS AND GENOMICS ADVANCES**
Cavazos, T. B., Witte, J. S.
2021; 2 (1)
- **Trans-ancestry genome-wide association meta-analysis of prostate cancer identifies new susceptibility loci and informs genetic risk prediction. Nature genetics**
Conti, D. V., Darst, B. F., Moss, L. C., Saunders, E. J., Sheng, X., Chou, A., Schumacher, F. R., Olama, A. A., Benlloch, S., Dadaev, T., Brook, M. N., Sahimi, A., Hoffmann, et al
2021
- **Cell-Free DNA Detection of Tumor Mutations in Heterogeneous, Localized Prostate Cancer Via Targeted, Multiregion Sequencing. JCO precision oncology**
Chen, E., Cario, C. L., Leong, L., Lopez, K., Marquez, C. P., Li, P. S., Oropeza, E., Tenggara, I., Cowan, J., Simko, J. P., Kageyama, R., Wells, D. K., Chan, et al
2021; 5
- **Pan-cancer analysis demonstrates that integrating polygenic risk scores with modifiable risk factors improves risk prediction. Nature communications**

- Kachuri, L., Graff, R. E., Smith-Byrne, K., Meyers, T. J., Rashkin, S. R., Ziv, E., Witte, J. S., Johansson, M.
2020; 11 (1): 6084
- **Association Between Alzheimer Disease and Cancer With Evaluation of Study Biases A Systematic Review and Meta-analysis** *JAMA NETWORK OPEN*
Ospina-Romero, M., Glymour, M., Hayes-Larson, E., Mayeda, E., Graff, R. E., Brenowitz, W. D., Ackley, S. F., Witte, J. S., Kobayashi, L. C.
2020; 3 (11): e2025515
 - **The landscape of host genetic factors involved in immune response to common viral infections.** *Genome medicine*
Kachuri, L., Francis, S. S., Morrison, M. L., Wendt, G. A., Bosse, Y., Cavazos, T. B., Rashkin, S. R., Ziv, E., Witte, J. S.
2020; 12 (1): 93
 - **Pan-cancer study detects genetic risk variants and shared genetic basis in two large cohorts.** *Nature communications*
Rashkin, S. R., Graff, R. E., Kachuri, L., Thai, K. K., Alexeeff, S. E., Blatchins, M. A., Cavazos, T. B., Corley, D. A., Emami, N. C., Hoffman, J. D., Jorgenson, E., Kushi, L. H., Meyers, et al
2020; 11 (1): 4423
 - **The competing risk of death and selective survival cannot fully explain the inverse cancer-dementia association** *ALZHEIMERS & DEMENTIA*
Hayes-Larson, E., Ackley, S. F., Zimmerman, S. C., Ospina-Romero, M., Glymour, M., Graff, R. E., Witte, J. S., Kobayashi, L. C., Mayeda, E.
2020; 16 (12): 1696-1703
 - **A machine learning approach to optimizing cell-free DNA sequencing panels: with an application to prostate cancer** *BMC CANCER*
Cario, C. L., Chen, E., Leong, L., Emami, N. C., Lopez, K., Tenggara, I., Simko, J. P., Friedlander, T. W., Li, P. S., Paris, P. L., Carroll, P. R., Witte, J. S.
2020; 20 (1): 820
 - **Congenital diaphragmatic hernia and maternal dietary nutrient pathways and diet quality.** *Birth defects research*
Carmichael, S. L., Ma, C., Witte, J. S., Yang, W., Rasmussen, S. A., Brunelli, L., Nestoridi, E., Shaw, G. M., Feldkamp, M. L., National Birth Defects Prevention Study
2020
 - **Genomewide Meta-Analysis Validates a Role for *S1PR1* in Microtubule Targeting Agent-Induced Sensory Peripheral Neuropathy** *CLINICAL PHARMACOLOGY & THERAPEUTICS*
Chua, K. C., Xiong, C., Ho, C., Mushiroda, T., Jiang, C., Mulkey, F., Lai, D., Schneider, B. P., Rashkin, S. R., Witte, J. S., Friedman, P. N., Ratain, M. J., McLeod, et al
2020; 108 (3): 625-634
 - **A meta-analysis of genome-wide association study and eQTL analysis of multiple myeloma among African Americans**
Du, Z., Weinhold, N., Song, G., Rand, K. A., Van den Berg, D. J., Hwang, A. E., Sheng, X., Hom, V., Ailawadhi, S., Nooka, A. K., Singhal, S., Pawlish, K., Peters, et al
AMER ASSOC CANCER RESEARCH.2020
 - **Age-of-onset information helps identify 76 genetic variants associated with allergic disease** *PLOS GENETICS*
Ferreira, M. A. R., Vonk, J. M., Baurecht, H., Marenholz, I., Tian, C., Hoffman, J. D., Helmer, Q., Tillander, A., Ullemar, V., Lu, Y., Grosche, S., Rueschendorf, F., Granell, et al
2020; 16 (6): e1008725
 - **Association between inflammatory bowel disease and prostate cancer: A large-scale, prospective, population-based study** *INTERNATIONAL JOURNAL OF CANCER*
Meyers, T. J., Weiner, A. B., Graff, R. E., Desai, A. S., Cooley, L., Catalona, W. J., Hanauer, S. B., Wu, J. D., Schaeffer, E. M., Abdulkadir, S. A., Kundu, S. D., Witte, J. S.
2020; 147 (10): 2735-2742
 - **A meta-analysis of genome-wide association studies of multiple myeloma among men and women of African ancestry.** *Blood advances*
Du, Z., Weinhold, N., Song, G. C., Rand, K. A., Van Den Berg, D. J., Hwang, A. E., Sheng, X., Hom, V., Ailawadhi, S., Nooka, A. K., Singhal, S., Pawlish, K., Peters, et al
2020; 4 (1): 181-90
 - **Immune-mediated genetic pathways resulting in pulmonary function impairment increase lung cancer susceptibility.** *Nature communications*

- Kachuri, L., Johansson, M., Rashkin, S. R., Graff, R. E., Bossé, Y., Manem, V., Caporaso, N. E., Landi, M. T., Christiani, D. C., Vineis, P., Liu, G., Scelo, G., Zaridze, et al
2020; 11 (1): 27
- **The landscape of host genetic factors involved in infection to common viruses and SARS-CoV-2.** *medRxiv : the preprint server for health sciences*
Kachuri, L. n., Francis, S. S., Morrison, M. n., Bossé, Y. n., Cavazos, T. B., Rashkin, S. R., Ziv, E. n., Witte, J. S.
2020
 - **Comprehensive Investigation of White Blood Cell and Gene Expression Profiles As Risk Factors for Multiple Myeloma in African Americans**
Kachuri, L., Du, Z., Weinhold, N., Song, G., Rand, K., Van den Berg, D., Hwang, A., Sheng, X., Hom, V., Ailawadhi, S., Nooka, A. K., Singhal, S., Peters, et al
AMER SOC HEMATOLOGY.2019
 - **Development and pilot evaluation of a personalized decision support intervention for low risk prostate cancer patients** *CANCER MEDICINE*
Belkora, J., Chan, J. M., Cooperberg, M. R., Neuhaus, J., Stupar, L., Weinberg, T., Broering, J. M., Tenggara, I., Cowan, J. E., Rosenfeld, S., Kenfield, S. A., Van Blarigan, E. L., Simko, et al
2020; 9 (1): 125-132
 - **Germline testing in those at risk of prostate cancer.** *The Canadian journal of urology*
Carroll, P. R., Witte, J. S., Parsons, J. K.
2019; 26 (5 Suppl 2): 31-33
 - **Association of imputed prostate cancer transcriptome with disease risk reveals novel mechanisms (vol 10, 3107, 2019)** *NATURE COMMUNICATIONS*
Emami, N. C., Kachuri, L., Meyers, T. J., Das, R., Hoffman, J. D., Hoffmann, T. J., Hu, D., Shan, J., Feng, F. Y., Ziv, E., Van den Eeden, S. K., Witte, J. S.
2019; 10: 3948
 - **Association of imputed prostate cancer transcriptome with disease risk reveals novel mechanisms.** *Nature communications*
Emami, N. C., Kachuri, L., Meyers, T. J., Das, R., Hoffman, J. D., Hoffmann, T. J., Hu, D., Shan, J., Feng, F. Y., Ziv, E., Van Den Eeden, S. K., Witte, J. S.
2019; 10 (1): 3107
 - **A Genome-wide Association Study of Prostate Cancer in Latinos.** *International journal of cancer*
Du, Z., Hopp, H., Ingles, S. A., Huff, C., Sheng, X., Weaver, B., Stern, M., Hoffmann, T. J., John, E. M., Van Den Eeden, S. K., Strom, S., Leach, R. J., Thompson, et al
2019
 - **Personalized Prostate Cancer Screening Based on a Single Midlife Prostate-specific Antigen Measurement.** *European urology*
Graff, R. E., Kachuri, L., Witte, J. S.
2019; 75 (3): 408-409
 - **A Pharmacogenetic Prediction Model of Progression-Free Survival in Breast Cancer using Genome-Wide Genotyping Data from CALGB 40502 (Alliance)** *CLINICAL PHARMACOLOGY & THERAPEUTICS*
Rashkin, S. R., Chua, K. C., Hoe, C., Mulkey, F., Jiang, C., Mushiroda, T., Kubo, M., Friedman, P. N., Rugo, H. S., McLeod, H. L., Ratain, M. J., Castillos, F., Naughton, et al
2019; 105 (3): 738-745
 - **Identification of novel susceptibility loci and genes for prostate cancer risk: A transcriptome-wide association study in over 140,000 European descendants.** *Cancer research*
Wu, L. n., Wang, J. n., Cai, Q. n., Cavazos, T. B., Emami, N. C., Long, J. n., Shu, X. O., Lu, Y. n., Guo, X. n., Bauer, J. A., Pasaniuc, B. n., Penney, K. L., Freedman, et al
2019
 - **Newborn Metabolic Profile Associated with Hyperbilirubinemia With and Without Kernicterus** *CTS-CLINICAL AND TRANSLATIONAL SCIENCE*
McCarthy, M. E., Oltman, S. P., Baer, R. J., Ryckman, K. K., Rogers, E. E., Steurer-Muller, M. A., Witte, J. S., Jelliffe-Pawłowski, L. L.
2019; 12 (1): 28-38
 - **Samasy: an automated system for sample selection and robotic transfer** *BIOTECHNIQUES*

- Cario, C. L., Witte, J. S.
2018; 65 (6): 357-360
- **Quantitative Spatial Profiling of PD-1/PD-L1 Interaction and HLA-DR/IDO-1 Predicts Improved Outcomes of Anti-PD-1 Therapies in Metastatic Melanoma.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Johnson, D. B., Bordeaux, J., Kim, J. Y., Vaupel, C., Rimm, D. L., Ho, T. H., Joseph, R. W., Daud, A. I., Conry, R. M., Gaughan, E. M., Hernandez-Aya, L. F., Dimou, A., Funchain, et al
2018; 24 (21): 5250-5260
 - **Two HLA Class II Gene Variants Are Independently Associated with Pediatric Osteosarcoma Risk** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Zhang, C., Wiemels, J. L., Hansen, H. M., Gonzalez-Maya, J., Endicott, A. A., de Smith, A. J., Smirnov, I., Witte, J. S., Morimoto, L. M., Metayer, C., Walsh, K. M.
2018; 27 (10): 1151-1158
 - **A Canadian genome-wide association study and meta-analysis confirm HLA as a risk factor for peanut allergy independent of asthma** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
Asai, Y., Eslami, A., van Ginkel, C., Akhabir, L., Wan, M., Yin, D., Ellis, G., Ben-Shoshan, M., Marenholz, I., Martino, D., Ferreira, M. A., Allen, K., Mazer, et al
2018; 141 (4): 1513-+
 - **Orchid: a novel management, annotation and machine learning framework for analyzing cancer mutations** *BIOINFORMATICS*
Cario, C. L., Witte, J. S.
2018; 34 (6): 936-942
 - **Genome-wide association study and meta-analysis in multiple populations identifies new loci for peanut allergy and establishes C11orf30/EMSY as a genetic risk factor for food allergy** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
Asai, Y., Eslami, A., van Ginkel, C., Akhabir, L., Wan, M., Ellis, G., Ben-Shoshan, M., Martino, D., Ferreira, M. A., Allen, K., Mazer, B., de Groot, H., de Jong, et al
2018; 141 (3): 991-1001
 - **An efficient Bayesian meta-analysis approach for studying cross-phenotype genetic associations** *PLOS GENETICS*
Majumdar, A., Haldar, T., Bhattacharya, S., Witte, J. S.
2018; 14 (2): e1007139
 - **Identification of Pleiotropic Cancer Susceptibility Variants from Genome-Wide Association Studies Reveals Functional Characteristics** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Wu, Y., Graff, R. E., Passarelli, M. N., Hoffman, J. D., Ziv, E., Hoffmann, T. J., Witte, J. S.
2018; 27 (1): 75-85
 - **Shared genetic origin of asthma, hay fever and eczema elucidates allergic disease biology** *NATURE GENETICS*
Ferreira, M. A., Vonk, J. M., Baurecht, H., Marenholz, I., Tian, C., Hoffman, J. D., Helmer, Q., Tillander, A., Ullemar, V., van Dongen, J., Lu, Y., Rueschendorf, F., Esparza-Gordillo, et al
2017; 49 (12): 1752-+
 - **Non-additive and epistatic effects of HLA polymorphisms contributing to risk of adult glioma** *JOURNAL OF NEURO-ONCOLOGY*
Zhang, C., de Smith, A. J., Smirnov, I. V., Wiencke, J. K., Wiemels, J. L., Witte, J. S., Walsh, K. M.
2017; 135 (2): 237-244
 - **Up For A Challenge (U4C): Stimulating innovation in breast cancer genetic epidemiology** *PLOS GENETICS*
Mechanic, L. E., Lindstrom, S., Daily, K. M., Sieberts, S. K., Amos, C. I., Chen, H., Cox, N. J., Dathe, M., Feuer, E. J., Guertin, M. J., Hoffman, J., Liu, Y., Moore, et al
2017; 13 (9): e1006945
 - **Two Novel Susceptibility Loci for Prostate Cancer in Men of African Ancestry** *JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE*
Conti, D. V., Wang, K., Sheng, X., Bensen, J. T., Hazelett, D. J., Cook, M. B., Ingles, S. A., Kittles, R. A., Strom, S. S., Rybicki, B. A., Nemesure, B., Isaacs, W. B., Stanford, et al
2017; 109 (8)
 - **Familial Risk and Heritability of Colorectal Cancer in the Nordic Twin Study of Cancer** *CLINICAL GASTROENTEROLOGY AND HEPATOLOGY*

- Graff, R. E., Moller, S., Passarelli, M. N., Witte, J. S., Skytthe, A., Christensen, K., Tan, Q., Adami, H., Czene, K., Harris, J. R., Pukkala, E., Kaprio, J., Giovannucci, et al
2017; 15 (8): 1256-1264
- **Discovery and fine-mapping of adiposity loci using high density imputation of genome-wide association studies in individuals of African ancestry: African Ancestry Anthropometry Genetics Consortium** *PLOS GENETICS*
Ng, M. C. Y., Graff, M., Lu, Y., Justice, A. E., Mudgal, P., Liu, C., Young, K., Yanek, L. R., Feitosa, M. F., Wojczynski, M. K., Rand, K., Brody, J. A., Cade, et al
2017; 13 (4): e1006719
 - **Investigating the Genetic Architecture of the PR Interval Using Clinical Phenotypes.** *Circulation. Cardiovascular genetics*
Mosley, J. D., Shoemaker, M. B., Wells, Q. S., Darbar, D., Shaffer, C. M., Edwards, T. L., Bastarache, L., McCarty, C. A., Thompson, W., Chute, C. G., Jarvik, G. P., Crosslin, D. R., Larson, et al
2017; 10 (2)
 - **Tissue Sources for Accurate Measurement of Germline DNA Genotypes in Prostate Cancer Patients Treated With Radical Prostatectomy** *PROSTATE COMMUNICATIONS*
Emami, N. C., Leong, L., Wan, E., Van Blarigan, E. L., Cooperberg, M. R., Tenggara, I., Carroll, P. R., Chan, J. M., Witte, J. S., Simko, J. P.
2017; 77 (4): 425-434
 - **Cis-eQTL-based trans-ethnic meta-analysis reveals novel genes associated with breast cancer risk** *PLOS GENETICS*
Hoffman, J. D., Graff, R. E., Emami, N. C., Tai, C. G., Passarelli, M. N., Hu, D., Huntsman, S., Hadley, D., Leong, L., Majumdar, A., Zaitlen, N., Ziv, E., Witte, et al
2017; 13 (3): e1006690
 - **Genome-wide association study of prostate-specific antigen levels identifies novel loci independent of prostate cancer** *NATURE COMMUNICATIONS*
Hoffmann, T. J., Passarelli, M. N., Graff, R. E., Emami, N. C., Sakoda, L. C., Jorgenson, E., Habel, L. A., Shan, J., Ranatunga, D. K., Quesenberry, C. P., Chao, C. R., Ghai, N. R., Aaronson, et al
2017; 8: 14248
 - **Current Challenges and New Opportunities for Gene-Environment Interaction Studies of Complex Diseases.** *American journal of epidemiology*
McAllister, K. n., Mechanic, L. E., Amos, C. n., Aschard, H. n., Blair, I. A., Chatterjee, N. n., Conti, D. n., Gauderman, W. J., Hsu, L. n., Hutter, C. M., Jankowska, M. M., Kerr, J. n., Kraft, et al
2017; 186 (7): 753-61
 - **Telomere structure and maintenance gene variants and risk of five cancer types.** *International journal of cancer*
Karami, S., Han, Y., Pande, M., Cheng, I., Rudd, J., Pierce, B. L., Nutter, E. L., Schumacher, F. R., Kote-Jarai, Z., Lindstrom, S., Witte, J. S., Fang, S., Han, et al
2016; 139 (12): 2655-2670
 - **Telomere structure and maintenance gene variants and risk of five cancer types** *INTERNATIONAL JOURNAL OF CANCER*
Karami, S., Han, Y., Pande, M., Cheng, I., Rudd, J., Pierce, B. L., Nutter, E. L., Schumacher, F. R., Kote-Jarai, Z., Lindstrom, S., Witte, J. S., Fang, S., Han, et al
2016; 139 (12): 2655-2670
 - **A Meta-analysis of Multiple Myeloma Risk Regions in African and European Ancestry Populations Identifies Putatively Functional Loci** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Rand, K. A., Song, C., Dean, E., Serie, D. J., Curtin, K., Sheng, X., Hu, D., Huff, C. A., Bernal-Mizrachi, L., Tomasson, M. H., Ailawadhi, S., Singhal, S., Pawlish, et al
2016; 25 (12): 1609-1618
 - **Sequence variation in folate pathway genes and risks of human cleft lip with or without cleft palate.** *American journal of medical genetics. Part A*
Marini, N. J., Yang, W., Asrani, K., Witte, J. S., Rine, J., Lammer, E. J., Shaw, G. M.
2016; 170 (11): 2777-2787
 - **Variation in the glucose transporter gene <i>SLC2A2</i> is associated with glycemic response to metformin** *NATURE GENETICS*
Zhou, K., Yee, S., Seiser, E. L., van Leeuwen, N., Tavendale, R., Bennett, A. J., Groves, C. J., Coleman, R. L., van der Heijden, A. A., Beulens, J. W., de Keyser, C. E., Zaharenkoll, L., Rotroff, et al
2016; 48 (9): 1055+

- **Joint effects of genetic variants and residential proximity to pesticide applications on hypospadias risk.** *Birth defects research. Part A, Clinical and molecular teratology*
Carmichael, S. L., Yang, W., Ma, C., Roberts, E., Kegley, S., English, P., Lammer, E. J., Witte, J. S., Shaw, G. M.
2016; 106 (8): 653-658
- **Erratum to: Hierarchical modeling identifies novel lung cancer susceptibility variants in inflammation pathways among 10,140 cases and 11,012 controls.** *Human genetics*
Brenner, D. R., Brennan, P., Boffetta, P., Amos, C. I., Spitz, M. R., Chen, C., Goodman, G., Heinrich, J., Bickeböllner, H., Rosenberger, A., Risch, A., Muley, T., McLaughlin, et al
2016; 135 (8): 963
- **Host genetic predictors of the kynurenine pathway of tryptophan catabolism among treated HIV-infected Ugandans** *AIDS*
Lee, S. A., Mefford, J. A., Huang, Y., Witte, J. S., Martin, J. N., Haas, D. W., McClaren, P. J., Mushiroda, T., Kubo, M., Byakwaga, H., Hunt, P. W., Kroetz, D. L.
2016; 30 (11): 1807-1815
- **Prostate Cancer Susceptibility in Men of African Ancestry at 8q24.** *Journal of the National Cancer Institute*
Han, Y., Rand, K. A., Hazelett, D. J., Ingles, S. A., Kittles, R. A., Strom, S. S., Rybicki, B. A., Nemesure, B., Isaacs, W. B., Stanford, J. L., Zheng, W., Schumacher, F. R., Berndt, et al
2016; 108 (7)
- **Determining Which Phenotypes Underlie a Pleiotropic Signal** *GENETIC EPIDEMIOLOGY*
Majumdar, A., Haldar, T., Witte, J. S.
2016; 40 (5): 366-381
- **Selection and explosive growth alter genetic architecture and hamper the detection of causal rare variants** *GENOME RESEARCH*
Uricchio, L. H., Zaitlen, N. A., Ye, C. J., Witte, J. S., Hernandez, R. D.
2016; 26 (7): 863-873
- **Association of common genetic variation in the protein C pathway genes with clinical outcomes in acute respiratory distress syndrome** *CRITICAL CARE*
Sapru, A., Liu, K. D., Wiemels, J., Hansen, H., Pawlikowska, L., Poon, A., Jorgenson, E., Witte, J. S., Calfee, C. S., Ware, L. B., Matthay, M. A., NHLBI ARDS Network
2016; 20: 151
- **Atlas of prostate cancer heritability in European and African-American men pinpoints tissue-specific regulation** *NATURE COMMUNICATIONS*
Gusev, A., Shi, H., Kichaev, G., Pomerantz, M., Li, F., Long, H. W., Ingles, S. A., Kittles, R. A., Strom, S. S., Rybicki, B. A., Nemesure, B., Isaacs, W. B., Zheng, et al
2016; 7
- **Identifying genetically driven clinical phenotypes using linear mixed models** *NATURE COMMUNICATIONS*
Mosley, J. D., Witte, J. S., Larkin, E. K., Bastarache, L., Shaffer, C. M., Karnes, J. H., Stein, C., Phillips, E., Hebring, S. J., Brilliant, M. H., Mayer, J., Ye, Z., Roden, et al
2016; 7: 11433
- **Mutational Landscape of Aggressive Prostate Tumors in African American Men** *CANCER RESEARCH*
Lindquist, K. J., Paris, P. L., Hoffmann, T. J., Cardin, N. J., Kazma, R., Mefford, J. A., Simko, J. P., Ngo, V., Chen, Y., Levin, A. M., Chitale, D., Helfand, B. T., Catalona, et al
2016; 76 (7): 1860-1868
- **A Cross-Cancer Genetic Association Analysis of the DNA Repair and DNA Damage Signaling Pathways for Lung, Ovary, Prostate, Breast, and Colorectal Cancer** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Scarborough, P. M., Weber, R., Iversen, E. S., Brhane, Y., Amos, C. I., Kraft, P., Hung, R. J., Sellers, T. A., Witte, J. S., Pharoah, P., Henderson, B. E., Gruber, S. B., Hunter, et al
2016; 25 (1): 193-200
- **Semiparametric Allelic Tests for Mapping Multiple Phenotypes: Binomial Regression and Mahalanobis Distance** *GENETIC EPIDEMIOLOGY*
Majumdar, A., Witte, J. S., Ghosh, S.
2015; 39 (8): 635-650

- **Integration of multiethnic fine-mapping and genomic annotation to prioritize candidate functional SNPs at prostate cancer susceptibility regions.** *Human molecular genetics*
Han, Y., Hazelett, D. J., Wiklund, F., Schumacher, F. R., Stram, D. O., Berndt, S. I., Wang, Z., Rand, K. A., Hoover, R. N., Machiela, M. J., Yeager, M., Burdette, L., Chung, et al
2015; 24 (19): 5603-5618
- **Strategies for Imputing and Analyzing Rare Variants in Association Studies** *TRENDS IN GENETICS*
Hoffmann, T. J., Witte, J. S.
2015; 31 (10): 556-563
- **Detecting gene-environment interactions in human birth defects: Study designs and statistical methods** *BIRTH DEFECTS RESEARCH PART A-CLINICAL AND MOLECULAR TERATOLOGY*
Tai, C. G., Graff, R. E., Liu, J., Passarelli, M. N., Mefford, J. A., Shaw, G. M., Hoffmann, T. J., Witte, J. S.
2015; 103 (8): 692-702
- **A Large Multiethnic Genome-Wide Association Study of Prostate Cancer Identifies Novel Risk Variants and Substantial Ethnic Differences** *CANCER DISCOVERY*
Hoffmann, T. J., Van den Eeden, S. K., Sakoda, L. C., Jorgenson, E., Habel, L. A., Graff, R. E., Passarelli, M. N., Cario, C. L., Emami, N. C., Chao, C. R., Ghai, N. R., Shan, J., Ranatunga, et al
2015; 5 (8): 878-891
- **Developments in our understanding of the genetic basis of birth defects** *BIRTH DEFECTS RESEARCH PART A-CLINICAL AND MOLECULAR TERATOLOGY*
Webber, D. M., MacLeod, S. L., Bamshad, M. J., Shaw, G. M., Finnell, R. H., Shete, S. S., Witte, J. S., Erickson, S. W., Murphy, L. D., Hobbs, C.
2015; 103 (8): 680-691
- **Methodological Considerations in Estimation of Phenotype Heritability Using Genome-Wide SNP Data, Illustrated by an Analysis of the Heritability of Height in a Large Sample of African Ancestry Adults** *PLOS ONE*
Chen, F., He, J., Zhang, J., Chen, G. K., Thomas, V., Ambrosone, C. B., Bandera, E. V., Berndt, S. I., Bernstein, L., Blot, W. J., Cai, Q., Carpten, J., Casey, et al
2015; 10 (6)
- **Replication and Heritability of Prostate Cancer Risk Variants: Impact of Population-Specific Factors** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Virlogeux, V., Graff, R. E., Hoffmann, T. J., Witte, J. S.
2015; 24 (6): 938-943
- **Genetic Polymorphisms in ESR1 and ESR2 Genes, and Risk of Hypospadias in a Multiethnic Study Population** *JOURNAL OF UROLOGY*
Choudhry, S., Baskin, L. S., Lammer, E. J., Witte, J. S., Dasgupta, S., Ma, C., Surampalli, A., Shen, J., Shaw, G. M., Carmichael, S. L.
2015; 193 (5): 1625-1631
- **Generalizability of established prostate cancer risk variants in men of African ancestry** *INTERNATIONAL JOURNAL OF CANCER*
Han, Y., Signorello, L. B., Strom, S. S., Kittles, R. A., Rybicki, B. A., Stanford, J. L., Goodman, P. J., Berndt, S. I., Carpten, J., Casey, G., Chu, L., Conti, D. V., Rand, et al
2015; 136 (5): 1210-1217
- **Psychiatric genome-wide association study analyses implicate neuronal, immune and histone pathways** *NATURE NEUROSCIENCE*
O'Dushlaine, C., Rossin, L., Lee, P. H., Duncan, L., Parikshak, N. N., Newhouse, S., Ripke, S., Neale, B. M., Purcell, S. M., Posthuma, D., Nurnberger, J. I., Lee, S. H., Faraone, et al
2015; 18 (2): 199-209
- **Methodological Considerations in Estimation of Phenotype Heritability Using Genome-Wide SNP Data, Illustrated by an Analysis of the Heritability of Height in a Large Sample of African Ancestry Adults.** *PLoS one*
Chen, F., He, J., Zhang, J., Chen, G. K., Thomas, V., Ambrosone, C. B., Bandera, E. V., Berndt, S. I., Bernstein, L., Blot, W. J., Cai, Q., Carpten, J., Casey, et al
2015; 10 (6)
- **Selenoprotein and Antioxidant Genes and the Risk of High-Grade Prostate Cancer and Prostate Cancer Recurrence** *PROSTATE*
Gerstenberger, J. P., Bauer, S. R., Van Blarigan, E. L., Sosa, E., Song, X., Witte, J. S., Carroll, P. R., Chan, J. M.
2015; 75 (1): 60-69

- **Genetic Simulation Tools for Post-Genome Wide Association Studies of Complex Diseases**
Chen, H., Hutter, C. M., Mechanic, L. E., Amos, C. I., Bafna, V., Hauser, E. R., Hernandez, R. D., Li, C., Liberles, D. A., McAllister, K., Moore, J. H., Paltoo, D. N., Papanicolaou, et al
WILEY.2015: 11-19
- **Imputation of the Rare *HOXB13* G84E Mutation and Cancer Risk in a Large Population-Based Cohort** *PLOS GENETICS*
Hoffmann, T. J., Sakoda, L. C., Shen, L., Jorgenson, E., Habel, L. A., Liu, J., Kvale, M. N., Asgari, M. M., Banda, Y., Corley, D., Kushi, L. H., Quesenberry, C. P., Schaefer, et al
2015; 11 (1): e1004930
- **Population Genetic Simulations of Complex Phenotypes with Implications for Rare Variant Association Tests** *GENETIC EPIDEMIOLOGY*
Uricchio, L. H., Torres, R., Witte, J. S., Hernandez, R. D.
2015; 39 (1): 35-44
- **Leveraging population admixture to characterize the heritability of complex traits** *NATURE GENETICS*
Zaitlen, N., Pasaniuc, B., Sankararaman, S., Bhatia, G., Zhang, J., Gusev, A., Young, T., Tandon, A., Pollack, S., Vilhjalmsson, B. J., Assimes, T. L., Berndt, S. I., Blot, et al
2014; 46 (12): 1356-1362
- **The contribution of genetic variants to disease depends on the ruler** *NATURE REVIEWS GENETICS*
Witte, J. S., Visscher, P. M., Wray, N. R.
2014; 15 (11): 765-776
- **Polymorphisms of an Innate Immune Gene, Toll-Like Receptor 4, and Aggressive Prostate Cancer Risk: A Systematic Review and Meta-Analysis** *PLOS ONE*
Weng, P., Huang, Y., Page, J. H., Chen, J., Xu, J., Koutros, S., Berndt, S., Chanock, S., Yeager, M., Witte, J. S., Eeles, R. A., Easton, D. F., Neal, et al
2014; 9 (10): e110569
- **Genome-wide Scan of 29,141 African Americans Finds No Evidence of Directional Selection since Admixture** *AMERICAN JOURNAL OF HUMAN GENETICS*
Bhatia, G., Tandon, A., Patterson, N., Aldrich, M. C., Ambrosone, C. B., Amos, C., Bandera, E. V., Berndt, S. I., Bernstein, L., Blot, W. J., Bock, C. H., Caporaso, N., Casey, et al
2014; 95 (4): 437-444
- **A meta-analysis of 87,040 individuals identifies 23 new susceptibility loci for prostate cancer** *NATURE GENETICS*
Al Olama, A. A., Kote-Jarai, Z., Berndt, S. I., Conti, D. V., Schumacher, F., Han, Y., Benlloch, S., Hazelett, D. J., Wang, Z., Saunders, E., Leongamornlert, D., Lindstrom, S., Jugurnauth-Little, et al
2014; 46 (10): 1103-1109
- **Copy Number Variation in Bronchopulmonary Dysplasia** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*
Hoffmann, T. J., Shaw, G. M., Stevenson, D. K., Wang, H., Quaintance, C. C., Oehlert, J., Jelliffe-Pawlowski, L. L., Gould, J. B., Witte, J. S., O'Brodoovich, H. M.
2014; 164 (10): 2672-75
- **Radiogenomics: Radiobiology Enters the Era of Big Data and Team Science** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Rosenstein, B. S., West, C. M., Bentzen, S. M., Alsner, J., Andreassen, C., Azria, D., Barnett, G. C., Baumann, M., Burnet, N., Chang-Claude, J., Chuang, E. Y., Coles, C. E., Dekker, et al
2014; 89 (4): 709-713
- **Plasma Antioxidants, Genetic Variation in SOD2, CAT, GPX1, GPX4, and Prostate Cancer Survival** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Van Blarigan, E. L., Ma, J., Kenfield, S. A., Stampfer, M. J., Sesso, H. D., Giovannucci, E. L., Witte, J. S., Erdman, J. W., Chan, J. M., Penney, K. L.
2014; 23 (6): 1037-1046
- **Genetic Epidemiology and Nonsyndromic Structural Birth Defects From Candidate Genes to Epigenetics** *JAMA PEDIATRICS*
Hobbs, C. A., Chowdhury, S., Cleves, M. A., Erickson, S., MacLeod, S. L., Shaw, G. M., Shete, S., Witte, J. S., Tycko, B.
2014; 168 (4): 371-377
- **Mechanistic Phenotypes: An Aggregative Phenotyping Strategy to Identify Disease Mechanisms Using GWAS Data** *PLOS ONE*

- Mosley, J. D., Van Driest, S. L., Larkin, E. K., Weeke, P. E., Witte, J. S., Wells, Q. S., Karnes, J. H., Guo, Y., Bastarache, L., Olson, L. M., McCarty, C. A., Pacheco, J. A., Jarvik, et al
2013; 8 (12): e81503
- **Antioxidant and Vitamin E Transport Genes and Risk of High-Grade Prostate Cancer and Prostate Cancer Recurrence** *PROSTATE*
Bauer, S. R., Richman, E. L., Sosa, E., Weinberg, V., Song, X., Witte, J. S., Carroll, P. R., Chan, J. M.
2013; 73 (16): 1786-1795
 - **Hypospadias and Genes Related to Genital Tubercle and Early Urethral Development** *JOURNAL OF UROLOGY*
Carmichael, S. L., Ma, C., Choudhry, S., Lammer, E. J., Witte, J. S., Shaw, G. M.
2013; 190 (5): 1884-1892
 - **Genetic relationship between five psychiatric disorders estimated from genome-wide SNPs** *NATURE GENETICS*
Lee, S. H., Ripke, S., Neale, B. M., Faraone, S. V., Purcell, S. M., Perlis, R. H., Mowry, B. J., Thapar, A., Goddard, M. E., Witte, J. S., Absher, D., Agartz, I., Akil, et al
2013; 45 (9): 984-?
 - **A Genome-Wide Association Study (GWAS) for Bronchopulmonary Dysplasia.** *Pediatrics*
Wang, H., St Julien, K. R., Stevenson, D. K., Hoffmann, T. J., Witte, J. S., Lazzeroni, L. C., Krasnow, M. A., Quaintance, C. C., Oehlert, J. W., Jelliffe-Pawlowski, L. L., Gould, J. B., Shaw, G. M., O'Brodovich, et al
2013; 132 (2): 290-297
 - **Impact of polymorphisms in drug pathway genes on disease-free survival in adults with acute myeloid leukemia** *JOURNAL OF HUMAN GENETICS*
Yee, S., Mefford, J. A., Singh, N., Percival, M., Stecula, A., Yang, K., Witte, J. S., Takahashi, A., Kubo, M., Matsuda, K., Giacomini, K. M., Andreadis, C.
2013; 58 (6): 353-361
 - **The Impact of Improved Microarray Coverage and Larger Sample Sizes on Future Genome-Wide Association Studies** *GENETIC EPIDEMIOLOGY*
Lindquist, K. J., Jorgenson, E., Hoffmann, T. J., Witte, J. S.
2013; 37 (4): 383-392
 - **A meta-analysis identifies new loci associated with body mass index in individuals of African ancestry.** *Nature genetics*
Monda, K. L., Chen, G. K., Taylor, K. C., Palmer, C., Edwards, T. L., Lange, L. A., Ng, M. C., Adeyemo, A. A., Allison, M. A., Bielak, L. F., Chen, G., Graff, M., Irvin, et al
2013; 45 (6): 690-696
 - **HOXB13 Mutation and Prostate Cancer: Studies of Siblings and Aggressive Disease** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Witte, J. S., Mefford, J., Plummer, S. J., Liu, J., Cheng, I., Klein, E. A., Rybicki, B. A., Casey, G.
2013; 22 (4): 675-680
 - **Dialcylglycerol Kinase K Variants Impact Hypospadias in a California Study Population** *JOURNAL OF UROLOGY*
Carmichael, S. L., Mohammed, N., Ma, C., Iovannisci, D., Choudhry, S., Baskin, L. S., Witte, J. S., Shaw, G. M., Lammer, E. J.
2013; 189 (1): 305-311
 - **High Quality Genome-Wide Genotyping from Archived Dried Blood Spots without DNA Amplification.** *PLoS one*
St Julien, K. R., Jelliffe-Pawlowski, L. L., Shaw, G. M., Stevenson, D. K., O'Brodovich, H. M., Krasnow, M. A.
2013; 8 (5): e64710
 - **Global patterns of prostate cancer incidence, aggressiveness, and mortality in men of african descent.** *Prostate cancer*
Rebbeck, T. R., Devesa, S. S., Chang, B., Bunker, C. H., Cheng, I., Cooney, K., Eeles, R., Fernandez, P., Giri, V. N., Gueye, S. M., Haiman, C. A., Henderson, B. E., Heyns, et al
2013; 2013: 560857-?
 - **Association of the Innate Immunity and Inflammation Pathway with Advanced Prostate Cancer Risk** *PLOS ONE*
Kazma, R., Mefford, J. A., Cheng, I., Plummer, S. J., Levin, A. M., Rybicki, B. A., Casey, G., Witte, J. S.
2012; 7 (12): e51680
 - **Rare genetic variants and treatment response: sample size and analysis issues** *STATISTICS IN MEDICINE*

- Witte, J. S.
2012; 31 (25): 3041-3050
- **The Covariate's Dilemma** *PLOS GENETICS*
Mefford, J., Witte, J. S.
2012; 8 (11): e1003096
 - **Reclassify Controls at Your Own Risk** *EPIDEMIOLOGY*
Witte, J. S., Visscher, P. M.
2012; 23 (6): 910-911
 - **A Genome-Wide Association Study Identifies Novel Loci for Paclitaxel-Induced Sensory Peripheral Neuropathy in CALGB 40101** *CLINICAL CANCER RESEARCH*
Baldwin, R., Owzar, K., Zembutsu, H., Chhibber, A., Kubo, M., Jiang, C., Watson, D., Eclov, R. J., Mefford, J., McLeod, H. L., Friedman, P. N., Hudis, C. A., Winer, et al
2012; 18 (18): 5099-5109
 - **Joint Association Testing of Common and Rare Genetic Variants Using Hierarchical Modeling** *GENETIC EPIDEMIOLOGY*
Cardin, N. J., Mefford, J. A., Witte, J. S.
2012; 36 (6): 642-651
 - **The Association Between a *Darc* Gene Polymorphism and Clinical Outcomes in African American Patients With Acute Lung Injury** *CHEST*
Kangelaris, K., Sapru, A., Calfee, C. S., Liu, K. D., Pawlikowska, L., Witte, J. S., Vittinghoff, E., Zhuo, H., Auerbach, A. D., Ziv, E., Matthay, M. A., Natl Heart Lung Blood Inst ARDS
2012; 141 (5): 1160-1169
 - **Does Accounting for Gene-Environment Interactions Help Uncover Association between Rare Variants and Complex Diseases?** *HUMAN HEREDITY*
Kazma, R., Cardin, N. J., Witte, J. S.
2012; 74 (3-4): 205-214
 - **Parallel biocomputing** *SOURCE CODE FOR BIOLOGY AND MEDICINE*
Kompass, K. S., Hoffmann, T. J., Witte, J. S.
2011; 6 (1): 4
 - **A Genetic Signature of Spina Bifida Risk from Pathway-Informed Comprehensive Gene-Variant Analysis** *PLOS ONE*
Marini, N. J., Hoffmann, T. J., Lammer, E. J., Hardin, J., Lazaruk, K., Stein, J. B., Gilbert, D. A., Wright, C., Lipzen, A., Pennacchio, L. A., Carmichael, S. L., Witte, J. S., Shaw, et al
2011; 6 (11)
 - **Use of principal components to aggregate rare variants in case-control and family-based association studies in the presence of multiple covariates.** *BMC proceedings*
Kazma, R., Hoffmann, T. J., Witte, J. S.
2011; 5 Suppl 9: S29
 - **Impact of Meat Consumption, Preparation, and Mutagens on Aggressive Prostate Cancer** *PLOS ONE*
Punnen, S., Hardin, J., Cheng, I., Klein, E. A., Witte, J. S.
2011; 6 (11): e27711
 - **Identification, Replication, and Fine-Mapping of Loci Associated with Adult Height in Individuals of African Ancestry** *PLOS GENETICS*
N'Diaye, A., Chen, G. K., Palmer, C. D., Ge, B., Tayo, B., Mathias, R. A., Ding, J., Nalls, M. A., Adeyemo, A., Adoue, V., Ambrosone, C. B., Atwood, L., Bandera, et al
2011; 7 (10)
 - **The landscape of recombination in African Americans** *NATURE*
Hinch, A. G., Tandon, A., Patterson, N., Song, Y., Rohland, N., Palmer, C. D., Chen, G. K., Wang, K., Buxbaum, S. G., Akylbekova, E. L., Aldrich, M. C., Ambrosone, C. B., Amos, et al
2011; 476 (7359): 170-U67
 - **Genome-wide association study of prostate cancer in men of African ancestry identifies a susceptibility locus at 17q21** *NATURE GENETICS*

- Haiman, C. A., Chen, G. K., Blot, W. J., Strom, S. S., Berndt, S. I., Kittles, R. A., Rybicki, B. A., Isaacs, W. B., Ingles, S. A., Stanford, J. L., Diver, W. R., Witte, J. S., Hsing, et al
2011; 43 (6): 570-U103
- **Polygenic Modeling of Genome-Wide Association Studies: An Application to Prostate and Breast Cancer** *OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY*
Witte, J. S., Hoffmann, T. J.
2011; 15 (6): 393-U66
 - **Characterizing genetic risk at known prostate cancer susceptibility loci in African Americans.** *PLoS genetics*
Haiman, C. A., Chen, G. K., Blot, W. J., Strom, S. S., Berndt, S. I., Kittles, R. A., Rybicki, B. A., Isaacs, W. B., Ingles, S. A., Stanford, J. L., Diver, W. R., Witte, J. S., Chanock, et al
2011; 7 (5): e1001387
 - **Co-regulatory expression quantitative trait loci mapping: method and application to endometrial cancer** *BMC MEDICAL GENOMICS*
Kompass, K. S., Witte, J. S.
2011; 4: 6
 - **Personalized Prostate Cancer Screening: Improving PSA Tests with Genomic Information** *SCIENCE TRANSLATIONAL MEDICINE*
Witte, J. S.
2010; 2 (62): 62ps55
 - **Comprehensive Approach to Analyzing Rare Genetic Variants** *PLOS ONE*
Hoffmann, T. J., Marini, N. J., Witte, J. S.
2010; 5 (11): e13584
 - **Segmentation and Estimation for SNP Microarrays: A Bayesian Multiple Change-Point Approach** *BIOMETRICS*
Tai, Y., Kvale, M. N., Witte, J. S.
2010; 66 (3): 675-683
 - **Genome-Wide Association Studies and Beyond** *ANNUAL REVIEW OF PUBLIC HEALTH, VOL 31*
Witte, J. S.
edited by Fielding, J. E., Brownson, R. C., Green, L. W.
2010; 31: 9-20
 - **VALID: Visualization of Association Study Results and Linkage Disequilibrium** *GENETIC EPIDEMIOLOGY*
Jorgenson, E., Kvale, M., Witte, J. S.
2009; 33 (7): 599-603
 - **Socioeconomic status and prostate cancer incidence and mortality rates among the diverse population of California** *CANCER CAUSES & CONTROL*
Cheng, I., Witte, J. S., McClure, L. A., Shema, S. J., Cockburn, M. G., John, E. M., Clarke, C. A.
2009; 20 (8): 1431-1440
 - **Carboxypeptidase 4 gene variants and early-onset intermediate-to-high risk prostate cancer** *BMC CANCER*
Ross, P. L., Cheng, I., Liu, X., Cicek, M. S., Carroll, P. R., Casey, G., Witte, J. S.
2009; 9
 - **Prostate cancer genomics: towards a new understanding** *NATURE REVIEWS GENETICS*
Witte, J. S.
2009; 10 (2): 77-82
 - **ω -3 Fatty Acids, Genetic Variants in COX-2 and Prostate Cancer** *JOURNAL OF NUTRIGENETICS AND NUTRIGENOMICS*
Reese, A. C., Fradet, V., Witte, J. S.
2009; 2 (3): 149-158
 - **8q24 and prostate cancer: association with advanced disease and meta-analysis** *EUROPEAN JOURNAL OF HUMAN GENETICS*
Cheng, I., Plummer, S. J., Jorgenson, E., Liu, X., Rybicki, B. A., Casey, G., Witte, J. S.
2008; 16 (4): 496-505
 - **Enriching the analysis of genomewide association studies with hierarchical modeling** *AMERICAN JOURNAL OF HUMAN GENETICS*

- Chen, G. K., Witte, J. S.
2007; 81 (2): 397-404
- **MIC1 and IL1RN genetic variation and advanced prostate cancer risk** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Cheng, I., Krumroy, L. M., Plummer, S. J., Casey, G., Witte, J. S.
2007; 16 (6): 1309-1311
 - **<i>trans</i>-Fatty acid intake and increased risk of advanced prostate cancer:: modification by <i>RNASEL</i> R462Q variant** *CARCINOGENESIS*
Liu, X., Schumacher, F. R., Plummer, S. J., Jorgenson, E., Casey, G., Witte, J. S.
2007; 28 (6): 1232-1236
 - **Association of testis derived transcript gene variants and prostate cancer risk** *JOURNAL OF UROLOGY*
Liu, X., Cicek, M. S., Plummer, S. J., Jorgenson, E., Casey, G., Witte, J. S.
2007; 177 (3): 894-898
 - **Dissecting effects of complex mixtures: who's afraid of informative priors?** *Epidemiology (Cambridge, Mass.)*
Thomas, D. C., Witte, J. S., Greenland, S.
2007; 18 (2): 186-90
 - **Plasminogen activator inhibitor type-I (<i>PAI-I</i>) polymorphism 4G/5G is associated with prostate cancer among men with a positive family history** *PROSTATE*
Jorgenson, E., Deitcher, S. R., Cicek, M., Liu, X., Plummer, S., Casey, G., Witte, J. S.
2007; 67 (2): 172-177
 - **An empirical evaluation of the common disease-common variant hypothesis.** *BMC proceedings*
Chen, G. K., Jorgenson, E., Witte, J. S.
2007; 1 Suppl 1: S5
 - **Nonsteroidal antiinflammatory drugs and decreased risk of advanced prostate cancer: Modification by lymphotoxin alpha** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
Liu, X., Plummer, S. J., Nock, N. L., Casey, G., Witte, J. S.
2006; 164 (10): 984-989
 - **A gene-centric approach to genome-wide association studies** *NATURE REVIEWS GENETICS*
Jorgenson, E., Witte, J. S.
2006; 7 (11): 885-891
 - **Polymorphisms in estrogen bioactivation, detoxification and oxidative DNA base excision repair genes and prostate cancer risk** *CARCINOGENESIS*
Nock, N. L., Cicek, M. S., Li, L., Liu, X., Rybicki, B. A., Moreira, A., Plummer, S. J., Casey, G., Witte, J. S.
2006; 27 (9): 1842-1848
 - **Novel missense mutations of the Deleted-in-AZOospermia-Like (DAZL) gene in infertile women and men** *REPRODUCTIVE BIOLOGY AND ENDOCRINOLOGY*
Tung, J. Y., Rosen, M. P., Nelson, L. M., Turek, P. J., Witte, J. S., Cramer, D. W., Cedars, M. I., Reijo-Pera, R. A.
2006; 4
 - **Coverage and power in genomewide association studies** *AMERICAN JOURNAL OF HUMAN GENETICS*
Jorgenson, E., Witte, J. S.
2006; 78 (5): 884-888
 - **Polymorphisms in polycyclic aromatic hydrocarbon metabolism and conjugation genes, interactions with smoking and prostate cancer risk** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Nock, N. L., Liu, X., Cicek, M. S., Li, L., Macarie, F., Rybicki, B. A., Plummer, S. J., MacLennan, G. T., Casey, G., Witte, J. S.
2006; 15 (4): 756-761
 - **Hierarchical modeling in association studies of multiple phenotypes**
Liu, X., Jorgenson, E., Witte, J. S.
BIOMED CENTRAL LTD.2005: S104

- **Relationship between body size and prostate cancer in a sibling based case-control study** *JOURNAL OF UROLOGY*
Liu, Rybicki, B. A., Casey, G., Witte, J. S.
2005; 174 (6): 2169-2173
- **No association between genetic polymorphisms in insulin and insulin receptor substrate-1 and prostate cancer** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Li, L., Cicek, M. S., Casey, G., Witte, J. S.
2005; 14 (10): 2462-2463
- **No association between a tetranucleotide repeat polymorphism of CYP19 and prostate cancer** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Li, L., Cicek, M. S., Casey, G., Witte, J. S.
2004; 13 (12): 2280-2281
- **Relationship between methylenetetrahydrofolate reductase C677T and A1298C genotypes and haplotypes and prostate cancer risk and aggressiveness** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Cicek, M. S., Nock, N. L., Li, L., Conti, D. V., Casey, G., Witte, J. S.
2004; 13 (8): 1331-1336
- **Genetic dissection of complex traits with chromosome substitution strains of mice** *SCIENCE*
Singer, J. B., Hill, A. E., Burrage, L., Olszens, K. R., Song, J. H., Justice, M., O'Brien, W. E., Conti, D. V., Witte, J. S., Lander, E. S., Nadeau, J. H.
2004; 304 (5669): 445-448
- **Comprehensive evaluation of the association between prostate cancer and genotypes/haplotypes in CYP17A1, CYP3A4, and SRD5A2** *EUROPEAN JOURNAL OF HUMAN GENETICS*
Loukola, A., Chadha, M., Penn, S. G., Rank, D., Conti, D. V., Thompson, D., Cicek, M., Love, B., Bivolarevic, Yang, Q., Jiang, Y. L., Hanzel, D. K., Dains, K., et al
2004; 12 (4): 321-332
- **Association of prostate cancer risk and aggressiveness to androgen pathway genes:: <i>SRD5A2</i>, <i>CYP17</i>, and the <i>AR</i>** *PROSTATE*
Cicek, M. S., Conti, D. V., Curran, A., Neville, P. J., Paris, P. L., Casey, G., Witte, J. S.
2004; 59 (1): 69-76
- **No association between genetic Polymorphisms in 1GF-1 and IGFBP-3 and prostate cancer** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Li, L., Cicek, M. S., Casey, G., Witte, J. S.
2004; 13 (3): 497-498
- **DNA repair gene XRCC1 and XPD polymorphisms and risk of prostate cancer** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Rybicki, B. A., Conti, D. V., Moreira, A., Cicek, M., Casey, G., Witte, J. S.
2004; 13 (1): 23-29
- **Comparison of missing data approaches in linkage analysis**
Xing, C., Schumacher, F. R., Conti, D. V., Witte, J. S.
BIOMED CENTRAL LTD.2003: S44
- **Genome-wide scan of brothers: Replication and fine mapping of prostate cancer susceptibility and aggressiveness loci** *PROSTATE*
Witte, J. S., Suarez, B. K., Thiel, B., Lin, J., Yu, A., Banerjee, T. K., Burmester, J. K., Casey, G., Catalona, W. J.
2003; 57 (4): 298-308
- **Relation of serum insulin-like growth factor-I (IGF-I) and IGF binding protein-3 to risk of prostate cancer (United States)** *CANCER CAUSES & CONTROL*
Li, L., Yu, H., Schumacher, F., Casey, G., Witte, J. S.
2003; 14 (8): 721-726
- **CYP3A4 and CYP3A5 genotypes, haplotypes, and risk of prostate cancer** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Plummer, S. J., Conti, D. V., Paris, P. L., Curran, A. P., Casey, G., Witte, J. S.
2003; 12 (9): 928-932

- **Prostate cancer aggressiveness locus on chromosome segment 19q12-q13.1 identified by linkage and allelic imbalance studies** *GENES CHROMOSOMES & CANCER*
Neville, P. J., Conti, D. V., Krumroy, L. M., Catalona, W. J., Suarez, B. K., Witte, J. S., Casey, G.
2003; 36 (4): 332-339
- **Hierarchical modeling of linkage disequilibrium: Genetic structure and spatial relations** *AMERICAN JOURNAL OF HUMAN GENETICS*
Conti, D. V., Witte, J. S.
2003; 72 (2): 351-363
- **Prostate cancer aggressiveness locus on chromosome 7q32-q33 identified by linkage and allelic imbalance studies** *NEOPLASIA*
Neville, P. J., Conti, D. V., Paris, P. L., Levin, H., Catalona, W. J., Suarez, B. K., Witte, J. S., Casey, G.
2002; 4 (5): 424-431
- **Analysis of mutational spectra: locating hotspots and clusters of mutations using recursive segmentation** *STATISTICS IN MEDICINE*
Fijal, B. A., Idury, R. M., Witte, J. S.
2002; 21 (13): 1867-1885
- **Point: Population stratification: A problem for case-control studies of candidate-gene associations?** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Thomas, D. C., Witte, J. S.
2002; 11 (6): 505-512
- **Androgen receptor CAG repeats and prostate cancer** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
Nelson, K. A., Witte, J. S.
2002; 155 (10): 883-890
- **Relation between tumour necrosis factor polymorphism TNF alpha-308 and risk of asthma** *EUROPEAN JOURNAL OF HUMAN GENETICS*
Witte, J. S., Palmer, L. J., O'Connor, R. D., Hopkins, P. J., Hall, J. M.
2002; 10 (1): 82-85
- **Model-free linkage analysis with covariates confirms linkage of prostate cancer to chromosomes 1 and 4** *AMERICAN JOURNAL OF HUMAN GENETICS*
Goddard, K. A., Witte, J. S., Suarez, B. K., Catalona, W. J., Olson, J. M.
2001; 68 (5): 1197-1206
- **Impact of preadjusting a quantitative phenotype prior to sib-pair linkage analysis when gene(x)environment interaction exists**
Mosley, J., Conti, D. V., Elston, R. C., Witte, J. S.
WILEY-LISS.2001: S837-S842
- **Introduction: Analysis of sequence data and population structure** *GENETIC EPIDEMIOLOGY*
Witte, J. S., Fijal, B. A.
2001; 21: S600-S601
- **Predicting quantitative trait levels by modeling SNP interaction**
Fijal, B. A., Kim, L. L., Buxbaum, S. G., Witte, J. S.
WILEY-LISS.2001: S608-S613
- **Hierarchical modeling of the relation between sequence variants and a quantitative trait: Addressing multiple comparison and population stratification issues**
Kim, L. L., Fijal, B. A., Witte, J. S.
WILEY-LISS.2001: S668-S673
- **Replication linkage study for prostate cancer susceptibility genes** *PROSTATE*
Suarez, B. K., Lin, J., Witte, J. S., Conti, D. V., Resnick, M. I., Klein, E. A., Burmester, J. K., Vaske, D. A., Banerjee, T. K., Catalona, W. J.
2000; 45 (2): 106-114
- **Re: "Asymptotic bias and efficiency in case-control studies of candidate genes and gene-environment interactions: Basic family designs" - Reply** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
Witte, J. S., Gauderman, W. J., Thomas, D. C.
2000; 152 (7): 690-691

- **Testing drug response in the presence of genetic information: sampling issues for clinical trials** *PHARMACOGENETICS*
Cardon, L. R., Idury, R. M., Harris, T. J., Witte, J. S., Elston, R. C.
2000; 10 (6): 503-510
- **Genomewide scan for prostate cancer-aggressiveness loci** *AMERICAN JOURNAL OF HUMAN GENETICS*
Witte, J. S., Goddard, K. A., Conti, D. V., Elston, R. C., Lin, J., Suarez, B. K., Broman, K. W., Burmester, J. K., Weber, J. L., Catalona, W. J.
2000; 67 (1): 92-99
- **Identification and fine mapping of a region showing a high frequency of allelic imbalance on chromosome 16q23.2 that corresponds to a prostate cancer susceptibility locus** *CANCER RESEARCH*
Paris, P. L., Witte, J. S., Kupelian, P. A., Levin, H., Klein, E. A., Catalona, W. J., Casey, G.
2000; 60 (13): 3645-3649
- **Correlations of individual plasma carotenoid concentrations in free-living older adults** *NUTRITION RESEARCH*
Shikany, J. M., Witte, J. S.
2000; 20 (7): 955-965
- **CYP3A activity in African American and European American men: Population differences and functional effect of the CYP3A4*1B 5' promoter region polymorphism** *CLINICAL PHARMACOLOGY & THERAPEUTICS*
Wandel, C., Witte, J. S., Hall, J. M., Stein, C. M., Wood, A. J., Wilkinson, G. R.
2000; 68 (1): 82-+
- **A genome screen of multiplex sibships with prostate cancer** *AMERICAN JOURNAL OF HUMAN GENETICS*
Suarez, B. K., Lin, J., Burmester, J. K., Broman, K. W., Weber, J. L., Banerjee, T. K., Goddard, K. A., Witte, J. S., Elston, R. C., Catalona, W. J.
2000; 66 (3): 933-944
- **On the relative sample size required for multiple comparisons** *STATISTICS IN MEDICINE*
Witte, J. S., Elston, R. C., Cardon, L. R.
2000; 19 (3): 369-372
- **Clinical trials in the genomic era: Effects of protective genotypes on sample size and duration of trial** *CONTROLLED CLINICAL TRIALS*
Fijal, B. A., Hall, J. M., Witte, J. S.
2000; 21 (1): 7-20
- **Linkage disequilibrium and allele-frequency distributions for 114 single-nucleotide polymorphisms in five populations** *AMERICAN JOURNAL OF HUMAN GENETICS*
Goddard, K. A., Hopkins, P. J., Hall, J. M., Witte, J. S.
2000; 66 (1): 216-234
- **Tutorial in biostatistics genetic mapping of complex traits** *STATISTICS IN MEDICINE*
Olson, J. M., Witte, J. S., Elston, R. C.
1999; 18 (21): 2961-2981
- **Association between a CYP3A4 genetic variant and clinical presentation in African-American prostate cancer patients** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Paris, P. L., Kupelian, P. A., Hall, J. M., Williams, T. L., Levin, H., Klein, E. A., Casey, G., Witte, J. S.
1999; 8 (10): 901-905
- **Asymptotic bias and efficiency in case-control studies of candidate genes and gene-environment interactions: Basic family designs** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
Witte, J. S., Gauderman, W. J., Thomas, D. C.
1999; 149 (8): 693-705
- **Likelihood-based approach to estimating twin concordance for dichotomous traits** *GENETIC EPIDEMIOLOGY*
Witte, J. S., Carlin, J. B., Hopper, J. L.
1999; 16 (3): 290-304
- **Model-based and model-free multipoint genome-wide linkage analysis of alcoholism**
Jacobs, K. B., Wedig, G. C., Schnell, A. H., Witte, J. S., Elston, R. C.
WILEY-LISS.1999: S175-S180

- **Glutathione transferase null genotype, broccoli, and lower prevalence of colorectal adenomas** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Lin, H. J., Probst-Hensch, N. M., Louie, A., Kau, I. H., Witte, J. S., Ingles, S. A., Frankl, H. D., Lee, E. R., Haile, R. W.
1998; 7 (8): 647-652
- **Familial prostate cancer: A different disease?** *JOURNAL OF UROLOGY*
Kupelian, P. A., Klein, E. A., Witte, J. S., Kupelian, V. A., Suh, J. H.
1997; 158 (6): 2197-2201
- **A sigmoidoscopy-based case-control study of polyps: Macronutrients, fiber and meat consumption** *INTERNATIONAL JOURNAL OF CANCER*
Haile, R. W., Witte, J. S., Longnecker, M. P., PROBSTHENSCH, N., Chen, M. J., Harper, J., Frankl, H. D., Lee, E. R.
1997; 73 (4): 497-502
- **Family history of prostate cancer in patients with localized prostate cancer: An independent predictor of treatment outcome** *JOURNAL OF CLINICAL ONCOLOGY*
Kupelian, P. A., Kupelian, V. A., Witte, J. S., Macklis, R., Klein, E. A.
1997; 15 (4): 1478-1480
- **A nested approach to evaluating dose-response and trend** *ANNALS OF EPIDEMIOLOGY*
Witte, J. S., Greenland, S.
1997; 7 (3): 188-193
- **Meat preparation and colorectal adenomas in a large sigmoidoscopy-based case-control study in California (United States)** *CANCER CAUSES & CONTROL*
PROBSTHENSCH, N. M., Sinha, R., Longnecker, M. P., Witte, J. S., Ingles, S. A., Frankl, H. D., Lee, E. R., Haile, R. W.
1997; 8 (2): 175-183
- **Diet and premenopausal bilateral breast cancer: A case-control study** *BREAST CANCER RESEARCH AND TREATMENT*
Witte, J. S., Ursin, G., Siemiatycki, J., Thompson, W. D., PAGANINIHILL, A., Haile, R. W.
1997; 42 (3): 243-251
- **Modeling age of onset and residual familial correlations for the linkage analysis of bipolar disorder**
Schnell, A. H., Karunaratne, P. M., Witte, J. S., Dawson, D. V., Elston, R. C.
WILEY-LISS.1997: 675-680
- **Relation of vegetable, fruit, and grain consumption to colorectal adenomatous polyps** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
Witte, J. S., Longnecker, M. P., Bird, C. L., Lee, E. R., Frankl, H. D., Haile, R. W.
1996; 144 (11): 1015-1025
- **Agreement in alcohol consumption levels as measured by two different questionnaires** *JOURNAL OF STUDIES ON ALCOHOL*
Witte, J. S., Haile, R. W.
1996; 57 (4): 406-409
- **Simulation study of hierarchical regression** *STATISTICS IN MEDICINE*
Witte, J. S., Greenland, S.
1996; 15 (11): 1161-1170
- **Association within twin pairs for a dichotomous trait** *GENETIC EPIDEMIOLOGY*
Olson, J. M., Witte, J. S., Elston, R. C.
1996; 13 (5): 489-499