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STANFORD ADVISORS

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Publications

PUBLICATIONS

- **Side effects in hypertension treatment: a pharmacogenomic analysis.** *European heart journal*
  Vaura, F., Krebs, K., Kiiskinen, T., Rämö, J., Tamlander, M., Rubinacci, S., Milani, L., Ripatti, S.
  2026

- **CuGen: A GPU-accelerated framework for large-scale genomics.** *medRxiv : the preprint server for health sciences*
  Kiiskinen, T., Richland, J., Wang, W., Lu, S., Narasimhan, B., Hastie, T., Tibshirani, R., Rivas, M. A.
  2026

- **Wavelet Decomposition-Based Genomic Analysis of the Human Electrocardiogram.** *medRxiv : the preprint server for health sciences*
  Zainana, S., Lauer, L., Kiiskinen, T., Tibshirani, R., Hastie, T., Ashley, E. A., O'Sullivan, J. W., Rivas, M. A.
  2026

- **Genome-wide association analyses of autoimmune hypothyroidism reveal autoimmune and thyroid-specific contributions and an inverse relationship with cancer risk.** *Nature genetics*
  Reeve, M. P., Kanai, M., Graham, D. B., Karjalainen, J., Luo, S., Kolosov, N., Adams, C., Ritari, J., Karczewski, K. J., Kiiskinen, T., Jiang, Y., Fuller, Z., Mehtonen, et al
  2026

- **Novel loci and biomedical consequences of iron homoeostasis variation.** *Communications biology*
  Allara, E., Bell, S., Smith, R., Keene, S. J., Gill, D., Gaziano, L., Morselli Gysi, D., Wang, F., Tragante, V., Mason, A., Karthikeyan, S., Lumbers, R. T., Bonglack, et al
  2024; 7 (1): 1631

- **Genome-wide meta-analysis conducted in three large biobanks expands the genetic landscape of lumbar disc herniations.** *Nature communications*
  Salo, V., Maatta, J., Sliz, E., FinnGen, Reimann, E., Magi, R., Estonian Biobank Research Team, Reis, K., Elhanas, A. G., Reigo, A., Palta, P., Esko, T., Karppinen, J., Kettunen, et al
  2024; 15 (1): 9424

- **Genetic Analysis of Obstructive Sleep Apnea and Its Relationship with Severe COVID-19.** *Annals of the American Thoracic Society*
  Strausz, S., Agafonova, E., Tiullinen, V., Kiiskinen, T., Broberg, M., Ruotsalainen, S. E., Koskela, J., Bachour, A., Sofer, T., Gottlieb, D. J., Palotie, A., Palotie, T., Ripatti, et al
  2024

- **The public health impact of poor sleep on severe COVID-19, influenza and upper respiratory infections.** *EBioMedicine*

Jones, S. E., Maisha, F. I., Strausz, S. J., Lammi, V., Cade, B. E., Tervi, A., Helaakoski, V., Broberg, M. E., FinnGen, Lane, J. M., Redline, S., Saxena, R., Ollila, H. M., et al

2023: 104630

- **Narcolepsy risk loci outline role of T cell autoimmunity and infectious triggers in narcolepsy.** *Nature communications*

  Ollila, H. M., Sharon, E., Lin, L., Sinnott-Armstrong, N., Ambati, A., Yogeshwar, S. M., Hillary, R. P., Jolanki, O., Faraco, J., Einen, M., Luo, G., Zhang, J., Han, et al

  2023; 14 (1): 2709

- **Genome-wide screen of otosclerosis in population biobanks: 27 loci and shared associations with skeletal structure.** *Nature communications*

  Ramo, J. T., Kiiskinen, T., Seist, R., Krebs, K., Kanai, M., Karjalainen, J., Kurki, M., Hamalainen, E., Happola, P., Havulinna, A. S., Hautakangas, H., FinnGen, Magi, R., et al

  2023; 14 (1): 157

- **Author Correction: Genetics of 35 blood and urine biomarkers in the UK Biobank.** *Nature genetics*

  Sinnott-Armstrong, N., Tanigawa, Y., Amar, D., Mars, N., Benner, C., Aguirre, M., Venkataraman, G. R., Wainberg, M., Ollila, H. M., Kiiskinen, T., Havulinna, A. S., Pirruccello, J. P., Qian, et al

  2021

- **Clinical Conditions and Their Impact on Utility of Genetic Scores for Prediction of Acute Coronary Syndrome.** *Circulation. Genomic and precision medicine*

  Lee, J., Kiiskinen, T., Mars, N., Jukarainen, S., Ingelsson, E., Neale, B., Ripatti, S., Natarajan, P., Ganna, A.

  2021

- **Genetics of 35 blood and urine biomarkers in the UK Biobank.** *Nature genetics*

  Sinnott-Armstrong, N., Tanigawa, Y., Amar, D., Mars, N., Benner, C., Aguirre, M., Venkataraman, G. R., Wainberg, M., Ollila, H. M., Kiiskinen, T., Havulinna, A. S., Pirruccello, J. P., Qian, et al

  2021

- **Sleep apnoea is a risk factor for severe COVID-19.** *BMJ open respiratory research*

  Strausz, S., Kiiskinen, T., Broberg, M., Ruotsalainen, S., Koskela, J., Bachour, A., FinnGen, Palotie, A., Palotie, T., Ripatti, S., Ollila, H. M., Palotie, A., Daly, M., et al

  2021; 8 (1)

- **Chromosome Xq23 is associated with lower atherogenic lipid concentrations and favorable cardiometabolic indices.** *Nature communications*

  Natarajan, P., Pampana, A., Graham, S. E., Ruotsalainen, S. E., Perry, J. A., de Vries, P. S., Broome, J. G., Pirruccello, J. P., Honigberg, M. C., Aragam, K., Wolford, B., Brody, J. A., Antonacci-Fulton, et al

  2021; 12 (1): 2182

- **Rare protein-altering variants in ANGPTL7 lower intraocular pressure and protect against glaucoma.** *PLoS genetics*

  Tanigawa, Y., Wainberg, M., Karjalainen, J., Kiiskinen, T., Venkataraman, G., Lemmela, S., Turunen, J. A., Graham, R. R., Havulinna, A. S., Perola, M., Palotie, A., FinnGen, Daly, M. J., et al

  2020; 16 (5): e1008682

- **Rare protein-altering variants in ANGPTL7 lower intraocular pressure and protect against glaucoma** *PLOS GENETICS*

  Tanigawa, Y., Wainberg, M., Karjalainen, J., Kiiskinen, T., Venkataraman, G., Lemmela, S., Turunen, J. A., Graham, R. R., Havulinna, A. S., Perola, M., Palotie, A., Gen, F., Daly, et al

  2020; 16 (5)

- **Genetic analysis of obstructive sleep apnoea discovers a strong association with cardiometabolic health.** *The European respiratory journal*

  Strausz, S. n., Ruotsalainen, S. n., Ollila, H. M., Karjalainen, J. n., Kiiskinen, T. n., Reeve, M. n., Kurki, M. n., Mars, N. n., Havulinna, A. S., Luonsi, E. n., Mansour Aly, D. n., Ahlqvist, E. n., Teder-Laving, et al

  2020

- **Genetic architecture of human plasma lipidome and its link to cardiovascular disease.** *Nature communications*

  Tabassum, R., Ramo, J. T., Ripatti, P., Koskela, J. T., Kurki, M., Karjalainen, J., Palta, P., Hassan, S., Nunez-Fontarnau, J., Kiiskinen, T. T., Soderlund, S., Matikainen, N., Gerl, et al

  2019; 10 (1): 4329