Stanford

Mykhaylo M. Malakhov

Postdoctoral Scholar, Epidemiology

Bio

HONORS AND AWARDS

- CEHG Postdoctoral Fellowship, Stanford Center for Computational, Evolutionary and Human Genomics (2026-2027)
- Roger Williams Memorial Award, International Genetic Epidemiology Society (2024)
- Goldwater Scholarship, Barry Goldwater Scholarship & Excellence in Education Foundation (2018)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Young Investigators Committee, International Genetic Epidemiology Society (2025 - present)
- Communications Committee, International Genetic Epidemiology Society (2025 - present)

PROFESSIONAL EDUCATION

- PhD, University of Minnesota , Biostatistics (2025)
- BS, Andrews University , Mathematics (2020)

STANFORD ADVISORS

- John Witte, Postdoctoral Faculty Sponsor
- Linda Kachuri, Postdoctoral Research Mentor

LINKS

- Personal site: https://mykmal.xyz
- Bluesky: https://bsky.app/profile/mykmal.xyz
- LinkedIn: https://linkedin.com/in/mykmal
- GitHub: https://github.com/mykmal
- Google Scholar: https://scholar.google.com/citations?user=J7Rop8IAAAAJ

Publications

PUBLICATIONS

- **Co-expression-wide association studies link genetically regulated interactions with complex traits.** *Nature communications*
  Malakhov, M. M., Pan, W.
  2025; 16 (1): 11061
- **A bootstrap model comparison test for identifying genes with context-specific patterns of genetic regulation.** *The annals of applied statistics*
  Malakhov, M. M., Dai, B., Shen, X. T., Pan, W.

2024; 18 (3): 1840-1857

- **Enhancing nonlinear transcriptome- and proteome-wide association studies via trait imputation with applications to Alzheimer's disease.** *PLoS genetics*
  He, R., Ren, J., Malakhov, M. M., Pan, W.
  2025; 21 (4): e1011659
- **A novel multivariable Mendelian randomization framework to disentangle highly correlated exposures with application to metabolomics.** *American journal of human genetics*
  Chan, L. S., Malakhov, M. M., Pan, W.
  2024; 111 (9): 1834-1847
- **Accounting for nonlinear effects of gene expression identifies additional associated genes in transcriptome-wide association studies.** *Human molecular genetics*
  Lin, Z., Xue, H., Malakhov, M. M., Knutson, K. A., Pan, W.
  2022; 31 (14): 2462-2470
- **Governance structure affects transboundary disease management under alternative objectives.** *BMC public health*
  Blackwood, J. C., Malakhov, M. M., Duan, J., Pellett, J. J., Phadke, I. S., Lenhart, S., Sims, C., Shea, K.
  2021; 21 (1): 1782
- **Management efficacy in a metapopulation model of white-nose syndrome** *NATURAL RESOURCE MODELING*
  Duan, J., Malakhov, M. M., Pellett, J. J., Phadke, I. S., Barber, J., Blackwood, J. C.
  2021; 34 (3)