



John Gorzynski

Contingent Employee, Medicine - Med/Cardiovascular Medicine

Publications

PUBLICATIONS

- **Ultrarapid Nanopore Genome Sequencing in a Critical Care Setting.** *The New England journal of medicine*
Gorzynski, J. E., Goenka, S. D., Shafin, K., Jensen, T. D., Fisk, D. G., Grove, M. E., Spiteri, E., Pesout, T., Monlong, J., Baid, G., Bernstein, J. A., Ceresnak, S., Chang, et al
2022
- **Integration of transcriptomics and long-read genomics prioritizes structural variants in rare disease.** *Genome research*
Jensen, T. D., Ni, B., Reuter, C. M., Gorzynski, J. E., Fazal, S., Bonner, D., Ungar, R. A., Goddard, P. C., Raja, A., Ashley, E. A., Bernstein, J. A., Zuchner, S., Greicius, et al
2025
- **Basic Science and Pathogenesis.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Talozzi, L., Peña-Tauber, A., Jensen, T. D., Wilson, E. N., Young, C. B., Stewart, I., Cobos, I., Vallejo, K., Hefti, M. M., Guen, Y. L., Williams, K., Vossler, H., Gorzynski, et al
2024; 20 Suppl 1: e090996
- **Alzheimer's Imaging Consortium.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Talozzi, L., Peña-Tauber, A., Jensen, T. D., Wilson, E. N., Young, C. B., Stewart, I., Cobos, I., Vallejo, K., Hefti, M. M., Guen, Y. L., Williams, K., Vossler, H., Gorzynski, et al
2024; 20 Suppl 9: e093931
- **Local read haplotagging enables accurate long-read small variant calling.** *Nature communications*
Kolesnikov, A., Cook, D., Nattestad, M., Brambrink, L., McNulty, B., Gorzynski, J., Goenka, S., Ashley, E. A., Jain, M., Miga, K. H., Paten, B., Chang, P., Carroll, et al
2024; 15 (1): 5907
- **Left ventricular trabeculation in Hominidae: divergence of the human cardiac phenotype.** *Communications biology*
Curry, B. A., Drane, A. L., Atencia, R., Feltrer, Y., Calvi, T., Milnes, E. L., Moittié, S., Weigold, A., Knauf-Witzens, T., Sawung Kusuma, A., Howatson, G., Palmer, C., Stembridge, et al
2024; 7 (1): 682
- **Integration of transcriptomics and long-read genomics prioritizes structural variants in rare disease.** *medRxiv : the preprint server for health sciences*
Jensen, T. D., Ni, B., Reuter, C. M., Gorzynski, J. E., Fazal, S., Bonner, D., Ungar, R. A., Goddard, P. C., Raja, A., Ashley, E. A., Bernstein, J. A., Zuchner, S., Greicius, et al
2024
- **A 3'UTR Insertion Is a Candidate Causal Variant at the TMEM106B Locus Associated With Increased Risk for FTLD-TDP.** *Neurology. Genetics*
Chemparathy, A., Le Guen, Y., Zeng, Y., Gorzynski, J., Jensen, T. D., Yang, C., Kasireddy, N., Talozzi, L., Belloy, M., Stewart, I., Gitler, A. D., Wagner, A. D., Mormino, et al
2024; 10 (1): e200124

- **APOE loss-of-function variants: Compatible with longevity and associated with resistance to Alzheimer's disease pathology.** *Neuron*
Chemparathy, A., Le Guen, Y., Chen, S., Lee, E. G., Leong, L., Gorzynski, J. E., Jensen, T. D., Ferrasse, A., Xu, G., Xiang, H., Belloy, M. E., Kasireddy, N., Peña-Tauber, et al
2024
- **Local read haplotagging enables accurate long-read small variant calling.** *bioRxiv : the preprint server for biology*
Kolesnikov, A., Cook, D., Nattestad, M., McNulty, B., Gorzynski, J., Goenka, S., Ashley, E. A., Jain, M., Miga, K. H., Paten, B., Chang, P. C., Carroll, A., Shafin, et al
2023
- **APOE loss-of-function variants: Compatible with longevity and associated with resistance to Alzheimer's Disease pathology.** *medRxiv : the preprint server for health sciences*
Chemparathy, A., Guen, Y. L., Chen, S., Lee, E. G., Leong, L., Gorzynski, J., Xu, G., Belloy, M., Kasireddy, N., Tauber, A. P., Williams, K., Stewart, I., Wingo, et al
2023
- **A 3' UTR Deletion Is a Leading Candidate Causal Variant at the TMEM106B Locus Reducing Risk for FTLT-TDP.** *medRxiv : the preprint server for health sciences*
Chemparathy, A., Le Guen, Y., Zeng, Y., Gorzynski, J., Jensen, T., Kasireddy, N., Talozzi, L., Belloy, M. E., Stewart, I., Gitler, A. D., Wagner, A. D., Mormino, E., Henderson, et al
2023
- **Deconvoluting complex correlates of COVID-19 severity with a multi-omic pandemic tracking strategy.** *Nature communications*
Parikh, V. N., Ioannidis, A. G., Jimenez-Morales, D., Gorzynski, J. E., De Jong, H. N., Liu, X., Roque, J., Cepeda-Espinoza, V. P., Osoegawa, K., Hughes, C., Sutton, S. C., Youlton, N., Joshi, et al
2022; 13 (1): 5107
- **Accelerated identification of disease-causing variants with ultra-rapid nanopore genome sequencing.** *Nature biotechnology*
Goenka, S. D., Gorzynski, J. E., Shafin, K., Fisk, D. G., Pesout, T., Jensen, T. D., Monlong, J., Chang, P. C., Baid, G., Bernstein, J. A., Christle, J. W., Dalton, K. P., Garalde, et al
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- **Ultra-Rapid Nanopore Whole Genome Genetic Diagnosis of Dilated Cardiomyopathy in an Adolescent With Cardiogenic Shock.** *Circulation. Genomic and precision medicine*
Gorzynski, J. E., Goenka, S. D., Shafin, K., Jensen, T. D., Fisk, D. G., Grove, M. E., Spiteri, E., Pesout, T., Monlong, J., Bernstein, J. A., Ceresnak, S., Chang, P., Christle, et al
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- **Mapping the human genetic architecture of COVID-19.** *Nature*
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2021
- **High-throughput SARS-CoV-2 and host genome sequencing from single nasopharyngeal swabs.** *medRxiv : the preprint server for health sciences*
Gorzynski, J. E., De Jong, H. N., Amar, D., Hughes, C. R., Ioannidis, A., Bierman, R., Liu, D., Tanigawa, Y., Kistler, A., Kamm, J., Kim, J., Cappello, L., Neff, et al
2020
- **Raltegravir Is a Potent Inhibitor of XMRV, a Virus Implicated in Prostate Cancer and Chronic Fatigue Syndrome** *PLOS ONE*
Singh, I. R., Gorzynski, J. E., Drobysheva, D., Bassit, L., Schinazi, R. F.
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