

Stanford



Jay Ross

Postdoctoral Scholar, Genetics

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, McGill University (2023)
- BSc, Vancouver Island University , Biology
- PhD, McGill University , Human Genetics

STANFORD ADVISORS

- Aaron Gitler, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Aaron Gitler (3/3/2026)

Publications

PUBLICATIONS

- **Consequences of the Novel ALS-Associated *KIF5A* Variant c.2993-6C > A for Exon 27 Splicing and Axonal Transport of SFPQ** *NEUROLOGY-GENETICS*
Rouleau, G. A., Yu, Z., Ross, J. P., Rochefort, D., Li, B., Bornais, K., Chum, M., Farhan, S. M. K., Dion, P. A.
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- **KIF5A downregulation in spinal muscular atrophy links axonal regeneration defects with ALS.** *JCI insight*
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- **Copy Number Variant Duplications Associated with Essential Tremor** *TREMOR AND OTHER HYPERKINETIC MOVEMENTS*
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- **Polyserine likes the tau and not the label.** *Neuron*
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- **KIF5A downregulation in spinal muscular atrophy links axonal regeneration defects with ALS.** *bioRxiv : the preprint server for biology*
Akiyama, T., Zeng, Y., Guo, C., Gautier, O., Koepke, L. S., Bombosch, J., Sianto, O., Ross, J. P., Hoang, P. T., Zhao, L. Y., Spencer, C., Monje, M., Day, et al
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- **Rare variant and polygenic analyses of amyotrophic lateral sclerosis in the French-Canadian genome.** *Genetics in medicine : official journal of the American College of Medical Genetics*
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- **Spinal cord extracts of amyotrophic lateral sclerosis spread TDP-43 pathology in cerebral organoids.** *PLoS genetics*
Tamaki, Y., Ross, J. P., Alipour, P., Castonguay, C. É., Li, B., Catoire, H., Rochefort, D., Urushitani, M., Takahashi, R., Sonnen, J. A., Stifani, S., Dion, P. A., Rouleau, et al
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- **Moyamoya Disease Susceptibility Gene RNF213 Regulates Endothelial Barrier Function.** *Stroke*
Roy, V., Ross, J. P., Pépin, R., Cortez Ghio, S., Brodeur, A., Touzel Deschênes, L., Le-Bel, G., Phillips, D. E., Milot, G., Dion, P. A., Guérin, S., Germain, L., Berthod, et al
2022; 53 (4): 1263-1275
- **Common and rare variant association analyses in amyotrophic lateral sclerosis identify 15 risk loci with distinct genetic architectures and neuron-specific biology.** *Nature genetics*
van Rheenen, W., van der Spek, R. A., Bakker, M. K., van Vugt, J. J., Hop, P. J., Zwamborn, R. A., de Klein, N., Westra, H. J., Bakker, O. B., Deelen, P., Shireby, G., Hannon, E., Moisse, et al
2021; 53 (12): 1636-1648
- **Oligogenicity, C9orf72 expansion, and variant severity in ALS.** *Neurogenetics*
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- **Exome sequencing in genetic disease: recent advances and considerations.** *F1000Research*
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- **Evolution of a Human-Specific Tandem Repeat Associated with ALS.** *American journal of human genetics*
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- **Genome-wide association analysis identifies new candidate risk loci for familial intracranial aneurysm in the French-Canadian population** *SCIENTIFIC REPORTS*
Zhou, S., Gan-Or, Z., Ambalavanan, A., Lai, D., Xie, P., Bourassa, C. V., Strong, S., Ross, J. P., Dionne-Laporte, A., Spiegelman, D., Dupre, N., Foroud, T. M., Xiong, et al
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