



Gregory McInnes

Masters Student in Biomedical Informatics, admitted Autumn 2014

Research & Scholarship

LAB AFFILIATIONS

- Russ Altman (6/1/2017)

Publications

PUBLICATIONS

- **Pharmacogenetics at Scale: An Analysis of the UK Biobank.** *Clinical pharmacology and therapeutics*
McInnes, G., Lavertu, A., Sangkuhl, K., Klein, T. E., Whirl-Carrillo, M., Altman, R. B.
2020
- **Transfer learning enables prediction of CYP2D6 haplotype function.** *PLoS computational biology*
McInnes, G., Dalton, R., Sangkuhl, K., Whirl-Carrillo, M., Lee, S., Tsao, P. S., Gaedigk, A., Altman, R. B., Woodahl, E. L.
2020; 16 (11): e1008399
- **Assessing Digital Phenotyping to Enhance Genetic Studies of Human Diseases.** *American journal of human genetics*
DeBoever, C. n., Tanigawa, Y. n., Aguirre, M. n., McInnes, G. n., Lavertu, A. n., Rivas, M. A.
2020
- **Predicting venous thromboembolism risk from exomes in the Critical Assessment of Genome Interpretation (CAGI) challenges.** *Human mutation*
McInnes, G., Daneshjou, R., Katsonis, P., Lichtarge, O., Srinivasan, R. G., Rana, S., Radivojac, P., Mooney, S. D., Pagel, K. A., Stamboulian, M., Jiang, Y., Capriotti, E., Wang, et al
2019
- **Global Biobank Engine: enabling genotype-phenotype browsing for biobank summary statistics.** *Bioinformatics (Oxford, England)*
McInnes, G., Tanigawa, Y., DeBoever, C., Lavertu, A., Olivieri, J. E., Aguirre, M., Rivas, M. A.
2018
- **Pharmacogenomics and big genomic data: from lab to clinic and back again.** *Human molecular genetics*
Lavertu, A., McInnes, G., Daneshjou, R., Whirl-Carrillo, M., Klein, T. E., Altman, R. B.
2018; 27 (R1): R72–R78
- **Medical relevance of protein-truncating variants across 337,205 individuals in the UK Biobank study** *NATURE COMMUNICATIONS*
DeBoever, C., Tanigawa, Y., Lindholm, M. E., McInnes, G., Lavertu, A., Ingelsson, E., Chang, C., Ashley, E. A., Bustamante, C. D., Daly, M. J., Rivas, M. A.
2018; 9: 1612
- **Cloud-based Interactive Analytics for Terabytes of Genomic Variants Data** *Bioinformatics*
Pan, C., McInnes, G., Deflaux, N., Snyder, M. P., Bingham, J., Datta, S., Tsao, P. S.
2017: 3709–15