

## Kelly Cochran

Ph.D. Student in Computer Science, admitted Autumn 2019

### Publications

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#### PUBLICATIONS

- **GENCODE 2025: reference gene annotation for human and mouse.** *Nucleic acids research*  
Mudge, J. M., Carbonell-Sala, S., Diekhans, M., Martinez, J. G., Hunt, T., Jungreis, I., Loveland, J. E., Arnan, C., Barnes, I., Bennett, R., Berry, A., Bignell, A., Cerdán-Vélez, et al  
2024
- **GENCODE: massively expanding the lncRNA catalog through capture long-read RNA sequencing.** *bioRxiv : the preprint server for biology*  
Kaur, G., Perteghella, T., Carbonell-Sala, S., Gonzalez-Martinez, J., Hunt, T., Mađry, T., Jungreis, I., Arnan, C., Lagarde, J., Borsari, B., Sisu, C., Jiang, Y., Bennett, et al  
2024
- **Dissecting the cis-regulatory syntax of transcription initiation with deep learning.** *bioRxiv : the preprint server for biology*  
Cochran, K., Yin, M., Mantripragada, A., Schreiber, J., Marinov, G. K., Kundaje, A.  
2024
- **Rewriting regulatory DNA to dissect and reprogram gene expression.** *bioRxiv : the preprint server for biology*  
Martyn, G. E., Montgomery, M. T., Jones, H., Guo, K., Doughty, B. R., Linder, J., Chen, Z., Cochran, K., Lawrence, K. A., Munson, G., Pampari, A., Fulco, C. P., Kelley, et al  
2023
- **Domain adaptive neural networks improve cross-species prediction of transcription factor binding.** *Genome research*  
Cochran, K., Srivastava, D., Shrikumar, A., Balsubramani, A., Hardison, R. C., Kundaje, A., Mahony, S.  
1800
- **Comprehensive identification of mRNA isoforms reveals the diversity of neural cell-surface molecules with roles in retinal development and disease** *NATURE COMMUNICATIONS*  
Ray, T. A., Cochran, K., Kozlowski, C., Wang, J., Alexander, G., Cady, M. A., Spencer, W. J., Ruzyski, P. A., Clark, B. S., Laeremans, A., He, M., Wang, X., Park, et al  
2020; 11 (1): 3328