Stanford

# Vivekanandan Ramalingam

Basic Life Research Scientist, Genetics

## Publications

### PUBLICATIONS

- **JASPAR 2026: expansion of transcription factor binding profiles and integration of deep learning models.** *Nucleic acids research*
  Ovek Baydar, D., Rauluseviciute, I., Aronsen, D. R., Blanc-Mathieu, R., Bonthuis, I., de Beukelaer, H., Ferenc, K., Jegou, A., Kumar, V., Lemma, R. B., Lucas, J., Pochon, M., Yun, et al
  2025

- **Thermodynamic principles link in vitro transcription factor affinities to single-molecule chromatin states in cells.** *Cell*
  Schaepe, J. M., Fries, T., Doughty, B. R., Ramalingam, V., Liu, B. B., Crocker, O. J., Marinov, G. K., Hinks, M. M., Marklund, E., Greenleaf, W. J.
  2025

- **An updated compendium and reevaluation of the evidence for nuclear transcription factor occupancy over the mitochondrial genome.** *PloS one*
  Marinov, G. K., Ramalingam, V., Greenleaf, W. J., Kundaje, A.
  2025; 20 (3): e0318796

- **An Expanded Registry of Candidate cis-Regulatory Elements for Studying Transcriptional Regulation.** *bioRxiv : the preprint server for biology*
  Moore, J. E., Pratt, H. E., Fan, K., Phalke, N., Fisher, J., Elhajjajy, S. I., Andrews, G., Gao, M., Shedd, N., Fu, Y., Lacadie, M. C., Meza, J., Ganna, et al
  2024

- **Deciphering the impact of genomic variation on function.** *Nature*
  2024; 633 (8028): 47-57

- **An updated compendium and reevaluation of the evidence for nuclear transcription factor occupancy over the mitochondrial genome.** *bioRxiv : the preprint server for biology*
  Marinov, G. K., Ramalingam, V., Greenleaf, W. J., Kundaje, A.
  2024

- **Lola-I is a promoter pioneer factor that establishes de novo Pol II pausing during development.** *Nature communications*
  Ramalingam, V., Yu, X., Slaughter, B. D., Unruh, J. R., Brennan, K. J., Onyshchenko, A., Lange, J. J., Natarajan, M., Buck, M., Zeitlinger, J.
  2023; 14 (1): 5862

- **The dynseq browser track shows context-specific features at nucleotide resolution.** *Nature genetics*
  Nair, S., Barrett, A., Li, D., Raney, B. J., Lee, B. T., Kerpedjiev, P., Ramalingam, V., Pampari, A., Lekschas, F., Wang, T., Haeussler, M., Kundaje, A.
  2022

- **Acquisition of innate odor preference depends on spontaneous and experiential activities during critical period.** *eLife*
  Qiu, Q., Wu, Y., Ma, L., Xu, W., Hills, M., Ramalingam, V., Yu, C. R.
  2021; 10

- **TATA and paused promoters active in differentiated tissues have distinct expression characteristics** *MOLECULAR SYSTEMS BIOLOGY*
  Ramalingam, V., Natarajan, M., Johnston, J., Zeitlinger, J.
  2021; 17 (2): e9866