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Bio

STANFORD ADVISORS

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Publications

PUBLICATIONS

- **A tunable, ultrasensitive threshold in enzymatic activity governs the DNA methylation landscape.** *Biophysical journal*
Bonsu, K. A., Laszik, N., Trinh, A., Downing, T. L., Read, E. L.
2026; 125 (7): 1802-1819
- **Challenging Reward Structures and Organizational Cultures that Propagate Stem Cell Hyperbole.** *Stem cell reviews and reports*
Trinh, A., Turner, L.
2025; 21 (8): 2810-2819
- **Methylation pseudotime analysis for label-free profiling of the temporal chromatin landscape with long-read sequencing.** *bioRxiv : the preprint server for biology*
Trinh, A., Akhtar, N., Bonsu, K., Laszik, N., Mendelevich, A., Wen, T., Morival, J. L., Diune, K. E., Frazeur, M., Vega, J. E., Gimelbrant, A. A., Read, E. L., Downing, et al
2025
- **Targeting the ADPKD methylome using nanoparticle-mediated combination therapy** *APL BIOENGINEERING*
Trinh, A., Huang, Y., Shao, H., Ram, A., Morival, J., Wang, J., Chung, E., Downing, T. L. L.
2023; 7 (2): 026111
- **DNA Methylation Dynamics During Esophageal Epithelial Regeneration Following Repair with Acellular Silk Fibroin Grafts in Rat.** *Advanced biology*
Urban, L. A., Li, J., Gundogdu, G., Trinh, A., Shao, H., Nguyen, T., Mauney, J. R., Downing, T. L.
2023; 7 (5): e2200160
- **The impact of age-related hypomethylated DNA on immune signaling upon cellular demise.** *Trends in immunology*
Urban, L. A., Trinh, A., Pearlman, E., Siryaporn, A., Downing, T. L.
2021; 42 (6): 464-468
- **Biophysical and epigenetic regulation of cancer stemness, invasiveness and immune action.** *Current tissue microenvironment reports*
Veerasubramanian, P. K., Trinh, A., Akhtar, N., Liu, W. F., Downing, T. L.
2020; 1 (4): 277-300