



Josh Tycko

Ph.D. Student in Genetics, admitted Autumn 2016

Publications

PUBLICATIONS

- **High-Throughput Discovery and Characterization of Human Transcriptional Effectors.** *Cell*
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2020
- **Identification of Guide-Intrinsic Determinants of Cas9 Specificity** *CRISPR JOURNAL*
Huston, N. C., Tycko, J., Tillotson, E. L., Wilson, C. J., Myer, V. E., Jayaram, H., Steinberg, B. E.
2019; 2 (3): 172–85
- **Gene drives for schistosomiasis transmission control.** *PLoS neglected tropical diseases*
Maier, T. n., Wheeler, N. J., Namigai, E. K., Tycko, J. n., Grewelle, R. E., Woldeamanuel, Y. n., Klohe, K. n., Perez-Saez, J. n., Sokolow, S. H., De Leo, G. A., Yoshino, T. P., Zamanian, M. n., Reinhard-Rupp, et al
2019; 13 (12): e0007833
- **Mitigation of off-target toxicity in CRISPR-Cas9 screens for essential non-coding elements.** *Nature communications*
Tycko, J. n., Wainberg, M. n., Marinov, G. K., Ursu, O. n., Hess, G. T., Ego, B. K., Aradhana, n. n., Li, A. n., Truong, A. n., Trevino, A. E., Spees, K. n., Yao, D. n., Kaplow, et al
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- **Pairwise library screen systematically interrogates Staphylococcus aureus Cas9 specificity in human cells** *NATURE COMMUNICATIONS*
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- **Enhancer connectome in primary human cells identifies target genes of disease-associated DNA elements.** *Nature genetics*
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2017
- **Methods and Applications of CRISPR-Mediated Base Editing in Eukaryotic Genomes.** *Molecular cell*
Hess, G. T., Tycko, J. n., Yao, D. n., Bassik, M. C.
2017; 68 (1): 26–43
- **Methods for Optimizing CRISPR-Cas9 Genome Editing Specificity** *MOLECULAR CELL*
Tycko, J., Myer, V. E., Hsu, P. D.
2016; 63 (3): 355–70
- **Toolbox for Exploring Modular Gene Regulation in Synthetic Biology Training** *ACS SYNTHETIC BIOLOGY*
Magaraci, M. S., Bermudez, J. G., Yogish, D., Pak, D. H., Mollov, V., Tycko, J., Issadore, D., Mannickarottu, S. G., Chow, B. Y.
2016; 5 (7): 781–85
- **Lessons Learned from the Clinical Development and Market Authorization of Glybera** *HUMAN GENE THERAPY CLINICAL DEVELOPMENT*
Bryant, L. M., Christopher, D. M., Giles, A. R., Hinderer, C., Rodriguez, J. L., Smith, J. B., Traxler, E. A., Tycko, J., Wojno, A. P., Wilson, J. M.

