

Trae Dunn

- MD Student, expected graduation Spring 2027
- Ph.D. Student in Chemical and Systems Biology, admitted Autumn 2024
- MSTP Student

Publications

PUBLICATIONS

- **The molecular basis for nuclear pore destruction by a proximity-inducing molecular glue.** *Cell chemical biology*
Hinshaw, S. M., Yuan, L., Noman, M. A., Martinez, M. J., Colombo, G. M., Dwyer, B. G., Ji, W., Romero, B. A., Forrest, I., Lu, J., Bian, J., Dunn, T. B., Garvin, et al
2026
- **ConvNeXt-Driven Detection of Alzheimer's Disease: A Benchmark Study on Expert-Annotated AlzaSet MRI Dataset Across Anatomical Planes.** *Diagnostics (Basel, Switzerland)*
Basereh, M., Abikenari, M. A., Sadeghzadeh, S., Dunn, T., Freichel, R., Siddarth, P., Ghahremani, D., Lavretsky, H., Buch, V. P.
2025; 15 (23)
- **Development of small-molecule Tau-SH3 interaction inhibitors that prevent amyloid- β toxicity and network hyperexcitability.** *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*
Roth, J. R., Rush, T., Thompson, S. J., Aldaheer, A. R., Dunn, T. B., Mesina, J. S., Cochran, J. N., Boyle, N. R., Dean, H. B., Yang, Z., Pathak, V., Ruiz, P., Wu, et al
2024; 21 (1): e00291
- **cnd-1/NeuroD1 Functions with the Homeobox Gene *ceh-5/Vax2* and Hox Gene *ceh-13/labial* To Specify Aspects of RME and DD Neuron Fate in *Caenorhabditis elegans*.** *G3 (Bethesda, Md.)*
Aquino-Nunez, W., Mielko, Z. E., Dunn, T., Santorella, E. M., Hosea, C., Leitner, L., McCalla, D., Simms, C., Verola, W. M., Vijaykumar, S., Hudson, M. L.
2020; 10 (9): 3071-3085