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Ph.D. Student in Structural Biology, admitted Autumn 2019

Publications

PUBLICATIONS

- **Conserved Trigger Loop Histidine of RNA Polymerase II Functions as a Positional Catalyst Primarily through Steric Effects.** *Biochemistry*
Palo, M. Z., Zhu, J., Mishanina, T. V., Landick, R.
2021
- **Cryo-EM structures of full-length Tetrahymena ribozyme at 3.1 Å resolution.** *Nature*
Su, Z., Zhang, K., Kappel, K., Li, S., Palo, M. Z., Pintilie, G. D., Rangan, R., Luo, B., Wei, Y., Das, R., Chiu, W.
2021
- **Cross-Regulation between TDP-43 and Paraspeckles Promotes Pluripotency-Differentiation Transition.** *Molecular cell*
Modic, M. n., Grosch, M. n., Rot, G. n., Schirge, S. n., Lepko, T. n., Yamazaki, T. n., Lee, F. C., Rusha, E. n., Shaposhnikov, D. n., Palo, M. n., Merl-Pham, J. n., Cacchiarelli, D. n., Rogelj, et al
2019; 74 (5): 951–65.e13
- **Trigger loop of RNA polymerase is a positional, not acid-base, catalyst for both transcription and proofreading.** *Proceedings of the National Academy of Sciences of the United States of America*
Mishanina, T. V., Palo, M. Z., Nayak, D. n., Mooney, R. A., Landick, R. n.
2017; 114 (26): E5103–E5112