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Publications

PUBLICATIONS

- **Probing Interplays between Human XBP1 α Translational Arrest Peptide and 80S Ribosome.** *Journal of chemical theory and computation*
Di Palma, F., Decherchi, S., Pardo-Avila, F., Succi, S., Levitt, M., von Heijne, G., Cavalli, A.
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- **8-oxo-guanine DNA damage induces transcription errors by escaping two distinct fidelity control checkpoints of RNA polymerase II.** *The Journal of biological chemistry*
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2019
- **De novo design of potent and selective mimics of IL-2 and IL-15** *NATURE*
Silva, D., Yu, S., Ulge, U. Y., Spangler, J. B., Jude, K. M., Labao-Almeida, C., Ali, L. R., Quijano-Rubio, A., Ruterbusch, M., Leung, I., Biary, T., Crowley, S. J., Marcos, et al
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- **De novo design of potent and selective mimics of IL-2 and IL-15.** *Nature*
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- **Structure of the 30S ribosomal decoding complex at ambient temperature** *RNA*
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- **The shape of the ribosome exit tunnel affects cotranslational protein folding.** *eLife*
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- **The shape of the bacterial ribosome exit tunnel affects cotranslational protein folding** *ELIFE*
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- **Aminoglycoside ribosome interactions reveal novel conformational states at ambient temperature** *NUCLEIC ACIDS RESEARCH*
O'Sullivan, M. E., Poitevin, F., Sierra, R. G., Gati, C., Dao, E., Rao, Y., Aksit, F., Ciftci, H., Corsepilus, N., Greenhouse, R., Hayes, B., Hunter, M. S., Liang, et al
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- **Structure of the 30S ribosomal decoding complex at ambient temperature.** *RNA (New York, N.Y.)*
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- **Constructing Kinetic Network Models to Elucidate Mechanisms of Functional Conformational Changes of Enzymes and Their Recognition with Ligands** *COMPUTATIONAL APPROACHES FOR STUDYING ENZYME MECHANISM, PT B*
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- **Millisecond dynamics of RNA polymerase II translocation at atomic resolution** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
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