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Ph.D. Student in Biochemistry, admitted Autumn 2018

Publications

PUBLICATIONS

- **Hybrids of RNA viruses and viroid-like elements replicate in fungi.** *Nature communications*
Forgia, M., Navarro, B., Daghino, S., Cervera, A., Gisel, A., Perotto, S., Aghayeva, D. N., Akinyuwa, M. F., Gobbi, E., Zheludev, I. N., Edgar, R. C., Chikhi, R., Turina, et al
2023; 14 (1): 2591
- **Restriction Endonuclease-Based Modification-Dependent Enrichment (REMoDE) of DNA for Metagenomic Sequencing.** *Applied and environmental microbiology*
Enam, S. U., Cherry, J. L., Leonard, S. R., Zheludev, I. N., Lipman, D. J., Fire, A. Z.
2022: e0167022
- **A statistical, reference-free algorithm subsumes myriad problems in genome science and enables novel discovery.** *bioRxiv : the preprint server for biology*
Chaung, K., Baharav, T., Zheludev, I., Salzman, J.
2022
- **Cryo-EM and antisense targeting of the 28-kDa frameshift stimulation element from the SARS-CoV-2 RNA genome.** *Nature structural & molecular biology*
Zhang, K., Zheludev, I. N., Hagey, R. J., Haslecker, R., Hou, Y. J., Kretsch, R., Pintilie, G. D., Rangan, R., Kladwang, W., Li, S., Wu, M. T., Pham, E. A., Bernardin-Souibgui, et al
2021
- **De novo 3D models of SARS-CoV-2 RNA elements from consensus experimental secondary structures.** *Nucleic acids research*
Rangan, R., Watkins, A. M., Chacon, J., Kretsch, R., Kladwang, W., Zheludev, I. N., Townley, J., Rynge, M., Thain, G., Das, R.
2021
- **RNA genome conservation and secondary structure in SARS-CoV-2 and SARS-related viruses: a first look.** *RNA (New York, N.Y.)*
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- **Accelerated cryo-EM-guided determination of three-dimensional RNA-only structures.** *Nature methods*
Kappel, K. n., Zhang, K. n., Su, Z. n., Watkins, A. M., Kladwang, W. n., Li, S. n., Pintilie, G. n., Topkar, V. V., Rangan, R. n., Zheludev, I. N., Yesselman, J. D., Chiu, W. n., Das, et al
2020; 17 (7): 699–707
- **RNA genome conservation and secondary structure in SARS-CoV-2 and SARS-related viruses.** *bioRxiv : the preprint server for biology*
Rangan, R. n., Zheludev, I. N., Das, R. n.
2020