

Stanford

Ranen Aviner

Basic Life Research Scientist

Biology

Bio

ACADEMIC APPOINTMENTS

- Basic Life Science Research Associate, Biology

Publications

PUBLICATIONS

- **Proteostasis in Viral Infection: Unfolding the Complex Virus-Chaperone Interplay** *COLD SPRING HARBOR PERSPECTIVES IN BIOLOGY*
Aviner, R., Frydman, J.
2020; 12 (3)
- **The science of puromycin: From studies of ribosome function to applications in biotechnology.** *Computational and structural biotechnology journal*
Aviner, R.
2020; 18: 1074–83
- **Proteostasis in Viral Infection: Unfolding the Complex Virus-Chaperone Interplay.** *Cold Spring Harbor perspectives in biology*
Aviner, R., Frydman, J.
2019
- **Proteomic analysis of polyribosomes identifies splicing factors as potential regulators of translation during mitosis** *NUCLEIC ACIDS RESEARCH*
Aviner, R., Hofmann, S., Elman, T., Shenoy, A., Geiger, T., Elkon, R., Ehrlich, M., Elroy-Stein, O.
2017; 45 (10): 5945–57
- **Complementary Post Transcriptional Regulatory Information is Detected by PUNCH-P and Ribosome Profiling** *SCIENTIFIC REPORTS*
Zur, H., Aviner, R., Tuller, T.
2016; 6: 21635
- **Uncovering Hidden Layers of Cell Cycle Regulation through Integrative Multi-omic Analysis** *PLOS GENETICS*
Aviner, R., Shenoy, A., Elroy-Stein, O., Geiger, T.
2015; 11 (10): e1005554
- **Genome-wide identification and quantification of protein synthesis in cultured cells and whole tissues by puromycin-associated nascent chain proteomics (PUNCH-P)** *NATURE PROTOCOLS*
Aviner, R., Geiger, T., Elroy-Stein, O.
2014; 9 (4): 751–60
- **Novel proteomic approach (PUNCH-P) reveals cell cycle-specific fluctuations in mRNA translation** *GENES & DEVELOPMENT*
Aviner, R., Geiger, T., Elroy-Stein, O.
2013; 27 (16): 1834–44
- **PUNCH-P for global translome profiling Methodology, insights and comparison to other techniques** *TRANSLATION*
Aviner, R., Geiger, T., Elroy-Stein, O.
2013; 1 (2): e27516
- **Mitotic Modulation of Translation Elongation Factor 1 Leads to Hindered tRNA Delivery to Ribosomes** *JOURNAL OF BIOLOGICAL CHEMISTRY*

Sivan, G., Aviner, R., Elroy-Stein, O.
2011; 286 (32): 27927–35