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Bio

STANFORD ADVISORS

- Judith Frydman, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Impaired biogenesis of basic proteins impacts multiple hallmarks of the aging brain.** *bioRxiv : the preprint server for biology*
Di Fraia, D., Marino, A., Lee, J. H., Kelmer Sacramento, E., Baumgart, M., Bagnoli, S., Tomaz da Silva, P., Kumar Sahu, A., Siano, G., Tiessen, M., Terzibasitazzi, E., Gagneur, J., Frydman, et al
2024
- **Cotranslational Mechanisms of Protein Biogenesis and Complex Assembly in Eukaryotes** *Annual Reviews of Biomedical Data Science*
Morales-Polanco, F., Lee, J. H., Barbosa, N. M., Frydman, J.
2022; 5
- **Receptor compaction and GTPase rearrangement drive SRP-mediated cotranslational protein translocation into the ER** *SCIENCE ADVANCES*
Lee, J., Jomaa, A., Chung, S., Fu, Y., Qian, R., Sun, X., Hsieh, H., Chandrasekar, S., Bo, X., Mattei, S., Boehringer, D., Weiss, S., Ban, et al
2021; 7 (21)
- **A ribosome-associated chaperone enables substrate triage in a cotranslational protein targeting complex.** *Nature communications*
Hsieh, H., Lee, J. H., Chandrasekar, S., Shan, S.
2020; 11 (1): 5840
- **A molecular recognition feature mediates ribosome-induced SRP-receptor assembly during protein targeting** *JOURNAL OF CELL BIOLOGY*
Fu, Y., Chandrasekar, S., Lee, J., Shan, S.
2019; 218 (10): 3307–19
- **Sequential activation of human signal recognition particle by the ribosome and signal sequence drives efficient protein targeting** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Lee, J., Chandrasekar, S., Chung, S., Fu, Y., Liu, D., Weiss, S., Shan, S.
2018; 115 (24): E5487–E5496
- **Structure of a prehandover mammalian ribosomal SRP.SRP receptor targeting complex** *SCIENCE*
Kobayashi, K., Jomaa, A., Lee, J., Chandrasekar, S., Boehringer, D., Shan, S., Ban, N.
2018; 360 (6386): 323–26
- **Regulation by a chaperone improves substrate selectivity during cotranslational protein targeting** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Ariosa, A., Lee, J., Wang, S., Saraogi, I., Shan, S.
2015; 112 (25): E3169–E3178