

# Stanford

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## Celeste Riepe

Postdoctoral Scholar, Biology

### Bio

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#### PROFESSIONAL EDUCATION

- BA, Rice University , Biochemistry and Cell Biology (2013)
- Ph.D., University of California, Berkeley , Molecular and Cell Biology (2019)

#### STANFORD ADVISORS

- Ron Kopito, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **The herpesvirus UL49.5 protein hijacks a cellular C-degron pathway to drive TAP transporter degradation.** *Proceedings of the National Academy of Sciences of the United States of America*  
W#chalska, M., Riepe, C., #lusarz, M. J., Graul, M., Borowski, L. S., Qiao, W., Foltyn#ska, M., Carette, J. E., Bie#kowska-Szewczyk, K., Szczesny, R. J., Kopito, R. R., Lipi#ska, A. D.  
2024; 121 (11): e2309841121
- **Small molecule correctors divert CFTR-F508del from ERAD by stabilizing sequential folding states.** *Molecular biology of the cell*  
Riepe, C., W#chalska, M., Deol, K. K., Amaya, A. K., Porteus, M. H., Olzmann, J. A., Kopito, R. R.  
2023: mbcE23080336
- **The herpesvirus UL49.5 protein hijacks a cellular C-degron pathway to drive TAP transporter degradation.** *bioRxiv : the preprint server for biology*  
W#halska, M., Riepe, C., #lusarz, M. J., Graul, M., Borowski, L. S., Qiao, W., Foltynska, M., Carette, J. E., Bie#kowska-Szewczyk, K., Szczesny, R. J., Kopito, R. R., Lipi#ska, A. D.  
2023
- **Small molecule correctors divert CFTR-F508del from ERAD by stabilizing sequential folding states.** *bioRxiv : the preprint server for biology*  
Riepe, C., Wachalska, M., Deol, K. K., Amaya, A. K., Porteus, M. H., Olzmann, J. A., Kopito, R. R.  
2023
- **Double stranded DNA breaks and genome editing trigger loss of ribosomal protein RPS27A** *FEBS JOURNAL*  
Riepe, C., Zelin, E., Frankino, P. A., Meacham, Z. A., Fernandez, S. G., Ingolia, N. T., Corn, J. E.  
2022; 289 (11): 3101-3114
- **Ribosomal protein RPL26 is the principal target of UFMylation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Walczak, C. P., Leto, D. E., Zhang, L., Riepe, C., Muller, R. Y., DaRosa, P. A., Ingolia, N. T., Elias, J. E., Kopito, R. R.  
2019; 116 (4): 1299-1308
- **Multi-endpoint, High-Throughput Study of Nanomaterial Toxicity in Caenorhabditis elegans** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*  
Jung, S., Qu, X., Aleman-Meza, B., Wang, T., Riepe, C., Liu, Z., Li, Q., Zhong, W.

2015; 49 (4): 2477–85

- **QuantWorm: A Comprehensive Software Package for *Caenorhabditis elegans* Phenotypic Assays** *PLOS ONE*

Jung, S., Aleman-Meza, B., Riepe, C., Zhong, W.

2014; 9 (1): e84830