



Celeste Riepe

Basic Life Res Scientist
Biology

Bio

ACADEMIC APPOINTMENTS

- Basic Life Research Scientist, Biology

PROFESSIONAL EDUCATION

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

Publications

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*
Wąchalska, M., Riepe, C., Ślusarz, M. J., Graul, M., Borowski, L. S., Qiao, W., Foltynska, M., Carette, J. E., Bieńkowska-Szewczyk, K., Szczesny, R. J., Kopito, R. R., Lipińska, 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., Wąchalska, 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*
Wąchalska, M., Riepe, C., Ślusarz, M. J., Graul, M., Borowski, L. S., Qiao, W., Foltynska, M., Carette, J. E., Bieńkowska-Szewczyk, K., Szczesny, R. J., Kopito, R. R., Lipińska, A. D.
2023
- **Small molecule correctors divert CFTR-F508del from ERAD by stabilizing sequential folding states.** *bioRxiv : the preprint server for biology*
Riepe, C., Wąchalska, 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