

Stanford

Michael Lanz

Postdoctoral Scholar, Biology

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Cornell University (2019)
- Bachelor of Science, Pennsylvania State University (2012)
- PhD, Cornell University , Biochemistry, Molecular, and Cell Biology (2019)

STANFORD ADVISORS

- Jan Skotheim, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Cell Size Contributes to Single-Cell Proteome Variation.** *Journal of proteome research*
Lanz, M. C., Fuentes Valenzuela, L., Elias, J. E., Skotheim, J. M.
2023
- **Increasing cell size remodels the proteome and promotes senescence.** *Molecular cell*
Lanz, M. C., Zatulovskiy, E., Swaffer, M. P., Zhang, L., Ilertsen, I., Zhang, S., You, D. S., Marinov, G., McAlpine, P., Elias, J. E., Skotheim, J. M.
2022
- **Whi5 is diluted and protein synthesis does not dramatically increase in pre-Start G1.** *Molecular biology of the cell*
Schmoller, K. M., Lanz, M. C., Kim, J., Koivomagi, M., Qu, Y., Tang, C., Kukhtevich, I. V., Schneider, R., Rudolf, F., Moreno, D. F., Aldea, M., Lucena, R., Skotheim, et al
2022; 33 (5): 1t1
- **Delineation of proteome changes driven by cell size and growth rate.** *Frontiers in cell and developmental biology*
Zatulovskiy, E., Lanz, M. C., Zhang, S., McCarthy, F., Elias, J. E., Skotheim, J. M.
2022; 10: 980721
- **In-depth and 3-dimensional exploration of the budding yeast phosphoproteome** *EMBO REPORTS*
Lanz, M. C., Yugandhar, K., Gupta, S., Sanford, E. J., Faca, V. M., Vega, S., Joiner, A. N., Fromme, J., Yu, H., Smolka, M. B.
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