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Bio

EDUCATION AND CERTIFICATIONS

- Phd, Washington State University (2020)

Publications

PUBLICATIONS

- **CryoEM structures of the human CLC-2 voltage-gated chloride channel reveal a ball-and-chain gating mechanism.** *eLife*
Xu, M., Neelands, T., Powers, A. S., Liu, Y., Miller, S. D., Pintilie, G. D., Bois, J. D., Dror, R. O., Chiu, W., Maduke, M.
2024; 12
- **Three-dimensional structure-guided evolution of a ribosome with tethered subunits.** *Nature chemical biology*
Kim, D. S., Watkins, A., Bidstrup, E., Lee, J., Topkar, V., Kofman, C., Schwarz, K. J., Liu, Y., Pintilie, G., Roney, E., Das, R., Jewett, M. C.
2022
- **Proteomics of isolated sieve tubes from *Nicotiana tabacum*: sieve element-specific proteins reveal differentiation of the endomembrane system.** *Proceedings of the National Academy of Sciences of the United States of America*
Liu, Y., Vasina, V. V., Kraner, M. E., Peters, W. S., Sonnewald, U., Knoblauch, M.
2022; 119 (1)
- **Aspartate Residues in a Forisome-Forming SEO Protein Are Critical for Protein Body Assembly and Ca²⁺ Responsiveness** *PLANT AND CELL PHYSIOLOGY*
Liu, Y., Peters, W. S., Froelich, D. R., Howell, A. H., Mooney, S., Evans, J. E., Hellmann, H. A., Knoblauch, M.
2020; 61 (10): 1699-1710
- **Protein structural biology using cell-free platform from wheat germ** *ADVANCED STRUCTURAL AND CHEMICAL IMAGING*
Novikova, I. V., Sharma, N., Moser, T., Sontag, R., Liu, Y., Collazo, M. J., Cascio, D., Shokuhfar, T., Hellmann, H., Knoblauch, M., Evans, J. E.
2018; 4: 13