Stanford

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Bio

ACADEMIC APPOINTMENTS

- Physical Science Research Scientist, Chemistry

Publications

PUBLICATIONS

- **Prediction and characterization of lipid-interacting proteins.** *Methods in enzymology*
  Alfonso, S., Decosto, C. M., Chatterjee, P., Precord, T., Dassama, L. M.
  2026; 727: 253-289

- **A cofactor-promiscuous HMGR from the Lyme disease pathogen illuminates diversity in bacterial isoprenoid biosynthesis.** *bioRxiv : the preprint server for biology*
  Paddy, I. A., McCausland, J., Frazier, M., Chatterjee, P., Setegne, M., Eidam, O., Jacobs-Wagner, C., Dassama, L. M.
  2026

- **A lipid compendium of a metabolically compromised bacterium provides insights into lipid acquisition, biosynthesis, and metabolism.** *bioRxiv : the preprint server for biology*
  Chatterjee, P., Shin, H. E., Tuncel, M. I., Paddy, I. A., Lee, A. K., McCausland, J., Welander, P. V., Jacobs-Wagner, C., Dassama, L. M.
  2026

- **A Machine Learning Model for the Proteome-Wide Prediction of Lipid-Interacting Proteins.** *Journal of chemical information and modeling*
  Chou, J. C., Chatterjee, P., Decosto, C. M., Dassama, L. M.
  2025

- **Unveiling of a messenger: Gut microbes make a neuroactive signal.** *Cell*
  Chatterjee, P., Dassama, L. M.
  2024; 187 (12): 2903-2904

- **Rapid proteome-wide prediction of lipid-interacting proteins through ligand-guided structural genomics.** *bioRxiv : the preprint server for biology*
  Chou, J. C., Decosto, C. M., Chatterjee, P., Dassama, L. M.
  2024