Stanford



Kate Bauman

Postdoctoral Scholar, Bioengineering

Bio

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California San Diego (2022)
- B.A., Middlebury College , Chemistry (2016)

STANFORD ADVISORS

- Michael Fischbach, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Discovery and engineering of the antibody response to a prominent skin commensal.** *Nature*
  Bousbaine, D., Bauman, K. D., Chen, Y. E., Lalgudi, P. V., Nguyen, T. T., Swenson, J. M., Yu, V. K., Tsang, E., Conlan, S., Li, D. B., Jbara, A., Zhao, A., Naziripour, et al
  2024
- **The shikimate pathway: gateway to metabolic diversity.** *Natural product reports*
  Shende, V. V., Bauman, K. D., Moore, B. S.
  2024
- **Enzymatic assembly of the salinosporamide gamma-lactam-beta-lactone anticancer warhead** *NATURE CHEMICAL BIOLOGY*
  Bauman, K. D., Shende, V. V., Chen, P., Trivella, D. B. B., Gulder, T. A. M., Vellalath, S., Romo, D., Moore, B. S.
  2022; 18 (5): 538-+
- **Genome mining methods to discover bioactive natural products** *NATURAL PRODUCT REPORTS*
  Bauman, K. D., Butler, K. S., Moore, B. S., Chekan, J. R.
  2021; 38 (11): 2100-2129
- **Refactoring the Cryptic Streptophenazine Biosynthetic Gene Cluster Unites Phenazine, Polyketide, and Nonribosomal Peptide Biochemistry** *CELL CHEMICAL BIOLOGY*
  Bauman, K. D., Li, J., Murata, K., Mantovani, S. M., Dahesh, S., Nizet, V., Luhavaya, H., Moore, B. S.
  2019; 26 (5): 724-+