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Ph.D. Student in Chemical and Systems Biology, admitted Autumn 2017

Publications

PUBLICATIONS

- **Integration of bioinformatic and chemoproteomic tools for the study of enzyme conservation in closely related bacterial species.** *Methods in enzymology*
Keller, L. J., Lakemeyer, M., Bogyo, M.
2022; 664: 1-22
- **Chemiluminescent Protease Probe for Rapid, Sensitive, and Inexpensive Detection of Live Mycobacterium tuberculosis.** *ACS central science*
Babin, B. M., Fernandez-Cuervo, G., Sheng, J., Green, O., Ordonez, A. A., Turner, M. L., Keller, L. J., Jain, S. K., Shabat, D., Bogyo, M.
2021; 7 (5): 803-814
- **Identification of covalent inhibitors that disrupt M. tuberculosis growth by targeting multiple serine hydrolases involved in lipid metabolism.** *Cell chemical biology*
Babin, B. M., Keller, L. J., Pinto, Y., Li, V. L., Eneim, A. S., Vance, S. E., Terrell, S. M., Bhatt, A. S., Long, J. Z., Bogyo, M.
2021
- **Characterization of Serine Hydrolases Across Clinical Isolates of Commensal Skin Bacteria Staphylococcus epidermidis Using Activity-Based Protein Profiling.** *ACS infectious diseases*
Keller, L. J., Lentz, C. S., Chen, Y. E., Metivier, R. J., Weerapana, E. n., Fischbach, M. A., Bogyo, M. n.
2020
- **Activity-based protein profiling in bacteria: Applications for identification of therapeutic targets and characterization of microbial communities.** *Current opinion in chemical biology*
Keller, L. J., Babin, B. M., Lakemeyer, M., Bogyo, M.
2019; 54: 45-53
- **Fluorescent Triazole Urea Activity-Based Probes for the Single-Cell Phenotypic Characterization of Staphylococcus aureus.** *Angewandte Chemie (International ed. in English)*
Chen, L. n., Keller, L. J., Cordasco, E. n., Bogyo, M. n., Lentz, C. S.
2019; 58 (17): 5643-47