



## Steven Mark Banik

Postdoctoral Research Fellow, Chemistry

 Curriculum Vitae available Online

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Harvard University (2016)

#### STANFORD ADVISORS

- Carolyn Bertozzi, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Membrane-tethered mucin-like polypeptides sterically inhibit binding and slow fusion kinetics of influenza A virus.** *Proceedings of the National Academy of Sciences of the United States of America*  
Delaveris, C. S., Webster, E. R., Banik, S. M., Boxer, S. G., Bertozzi, C. R.  
2020
- **A Plasma Protein Network Regulates PM20D1 and N-Acyl Amino Acid Bioactivity.** *Cell chemical biology*  
Kim, J. T., Jedrychowski, M. P., Wei, W., Fernandez, D., Fischer, C. R., Banik, S. M., Spiegelman, B. M., Long, J. Z.  
2020
- **Catalytic, Enantioselective 1,2-Difluorination of Cinnamamides** *ORGANIC LETTERS*  
Haj, M. K., Banik, S. M., Jacobsen, E. N.  
2019; 21 (13): 4919–23
- **Lysosome Targeting Chimeras (LYTACs) for the Degradation of Secreted and Membrane Proteins** *ChemRxiv*  
Banik, S. M., Pedram, K., Wisnovsky, S., Riley, N. M., Bertozzi, C. R.  
2019
- **Catalytic Diastereo- and Enantioselective Fluoroamination of Alkenes** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*  
Mennie, K. M., Banik, S. M., Reichert, E. C., Jacobsen, E. N.  
2018; 140 (14): 4797–4802
- **Lewis acid enhancement by hydrogen-bond donors for asymmetric catalysis** *Science*  
Banik, S. M., Levina, A., Hyde, A. M., Jacobsen, E. N.  
2017; 358: 761–764
- **Catalytic 1,3-Difunctionalization via Oxidative C–C Bond Activation** *Journal of the American Chemical Society*  
Banik, S. M., Mennie, K. M., Jacobsen, E. N.  
2017; 139 (27): 9152–9155
- **Catalytic, asymmetric difluorination of alkenes to generate difluoromethylated stereocenters** *Science*  
Banik, S. M., Medley, J. W., Jacobsen, E. N.

2016; 353 (6294): 51-54

- **Catalytic, Diastereoselective 1,2-Difluorination of Alkenes** *Journal of the American Chemical Society*

Banik, S. M., Medley, J. W., Jacobsen, E. N.

2016; 138 (15): 5000-5003

- **Chemoselective pd-catalyzed oxidation of polyols: synthetic scope and mechanistic studies.** *Journal of the American Chemical Society*

Chung, K., Banik, S. M., De Crisci, A. G., Pearson, D. M., Blake, T. R., Olsson, J. V., Ingram, A. J., Zare, R. N., Waymouth, R. M.

2013; 135 (20): 7593-7602