

Summer research (The University of Queensland, 2012 Jan-Mar)

- 1) **Liu, X.**; Becker, B.; Cooper M. A. "Monoacetylation of Carbohydrate Diols via Transesterification with Ethyl Acetate." *Aust. J. Chem.* **2014**, *67*, 679-683.

Graduate Study (The University of Sydney, 2012-2016)

- 2) Thompson, R. E.; **Liu, X.**; Alonso-Garcia, N.; Pereira, P. J. B.; Jolliffe, K. A.; Payne, R. J. "Trifluoroethanethiol: An Additive for Efficient One-Pot Peptide Ligation-Desulfurization Chemistry." *J. Am. Chem. Soc.* **2014**, *136*, 8161-8164. DOI: [10.1021/ja502806r](https://doi.org/10.1021/ja502806r)
- 3) **Liu, X.**; Malins, L. R.; Roche, M.; Sterjovski, J.; Duncan, R.; Garcia, M. L.; Barnes, N. C.; Anderson, D. A.; Stone, M. J.; Gorry, G. P.; Payne, R. J. "Site-Selective Solid-Phase Synthesis of a CCR5 Sulfopeptide Library to Interrogate HIV Binding and Entry." *ACS Chem. Biol.* **2014**, *9*, 2074-2081. DOI: [10.1021/cb500337r](https://doi.org/10.1021/cb500337r)
- 4) Mitchell, N. J.; Malins, L. R.; **Liu, X.**; Thompson, R. E.; Chan, B.; Radom, L.; Payne, R. J. "Rapid Additive-Free Selenocystine-Selenoester Peptide Ligation." *J. Am. Chem. Soc.* **2015**, *137*, 14011-14014. DOI: [10.1021/jacs.5b07237](https://doi.org/10.1021/jacs.5b07237).
- 5) Thompson, R. E.;\* **Liu, X.**;\* Ripoll-Rozada, J.\*; Alonso-García, N.; Parker, B. L.; Pereira, P. J. B.; Payne, R. J. "Tyrosine Sulfation Modulates Activity of Tick-Derived Thrombin Inhibitors." *Nat. Chem.* accepted.

\*These authors contributed equally as co-first authors.