

Matthew Lohman

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Education

BS, BIOCHEMISTRY | GRADUATED: MAY, 2017 | SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE

- Major: Biochemistry
- GPA 2.95/4.00

MS, CHEMISTRY | GRADUATED: DECEMBER, 2018 | SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE

- Major: Chemistry
- GPA 3.7/4.00

PHD, BIO-ORGANIC CHEMISTRY | EXPECTED GRADUATION: AUGUST, 2023 | UNIVERSITY OF TOLEDO

Publications

- Facile and robust methods for the regioselective acylation of N-acetylneuraminic acid *New J. Chem.*, 2018,**42**, 14138-14141 DOI:10.1039/C8NJ02795A
- Comparative Study on the Effects of Picoloyl Groups in Sialylations Based on Their Substitution Pattern. *J. Org. Chem.*, 2019, 84, 23, 15052-15062 DOI:10.1021/acs.joc.9b01492
- Synthesis of an aminoxy derivative of the GM3 antigen and its application in oxime ligation. *J. Org. Chem.*, 2020, DOI: 10.1021/acs.joc.0c00320

Experience

RESEARCH ASSISTANT | BIO-ORGANIC CHEMISTRY | 2014

- Synthesized organic compounds on a gram scale and small scale
- Knowledge with the use of ¹H NMR, IR spectroscopy, and column chromatography, size exclusion chromatography and HPLC.
- Taught over four teaching labs and tutored
- Background in speaking with multiple seminars given, along with presentations given at ACS conferences

Qualifications

- Trustworthy, dependable, reliable, and hardworking, and someone that can work with anyone who learns quickly
- Long term use with Word, Excel, power point, and knowledge of how to run them and all computers
- Creative at solving problems on the spot and in a precise and orderly manner
- More than six years specializing in carbohydrate chemistry

Coursework

- Synthesis of Carbohydrates
- Advanced Organic Chemistry
- Advanced Quantitative Analytical chemistry
- Advanced Bio-Chemistry
- Advanced Inorganic
- Organic Spectral Analysis

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