

Stanford



Amanda K. Nelson

Chemistry and Chemical Engineering Librarian, Chemistry Library

 Curriculum Vitae available Online

Bio

CURRENT ROLE AT STANFORD

I am a science librarian for Chemistry and Chemical Engineering. I work closely with these departments to provide services and resources for students, researchers, postdocs, staff, and faculty. I manage our chemistry and chemical engineering collections, as well as the science software privileges for Stanford affiliates.

HONORS AND AWARDS

- STAR (Safety in Training and Research) Award, Stanford University Department of chemistry (2019)
- Fulbright Fellowship, U.S. Department of State (2015-2016)
- Graduate Research Development Program – Funded Research Proposal, Virginia Tech (2015-2016)
- Graduate Research Development Program – Funded Research Proposal, Virginia Tech (2013-2014)
- Magna Cum Laude Distinction, University of North Carolina at Charlotte (2010)
- The Robert Lassiter Outstanding Undergraduate Paper, University of North Carolina at Charlotte (2010)
- Cecil Prince Memorial Scholarship, University of North Carolina at Charlotte (2009-2010)

EDUCATION AND CERTIFICATIONS

- PhD, Virginia Tech , Chemistry (2016)
- BA, University of North Carolina at Charlotte , Chemistry (2010)
- BS, University of North Carolina at Charlotte , Psychology (2010)
- BA, University of North Carolina at Charlotte , Criminal Justice (2010)

PROJECTS

- Hands-on Laboratory Kits for Remote Learning - Stanford University (6/2020 - 6/2021)

Teaching

COURSES

2020-21

- Understanding the Natural and Unnatural World through Chemistry: CHEM 121 (Aut, Spr)

2019-20

- Chemical Laboratory and Safety Skills: CHEM 100 (Aut)

Professional

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Alternate Councilor, American Chemical Society (2022 - present)
- Chapter Advisor, Alpha Chi Sigma (2019 - present)
- Member, Laboratory Safety Committee (2017 - present)

Publications

PUBLICATIONS

- **Photoactivated cell-killing involving a low molecular weight, donor-acceptor diphenylacetylene** *CHEMICAL SCIENCE*
Chisholm, D. R., Lamb, R., Pallett, T., Affleck, V., Holden, C., Marrison, J., O'Toole, P., Ashton, P. D., Newling, K., Steffen, A., Nelson, A. K., Mahler, C., Valentine, et al
2019; 10 (17): 4673-4683
- **Tandem fluorescence and Raman (fluoRaman) characterisation of a novel photosensitiser in colorectal cancer cell line SW480** *ANALYST*
Gala de Pablo, J., Chisholm, D. R., Steffen, A., Nelson, A. K., Mahler, C., Marder, T. B., Peyman, S. A., Girkin, J. M., Ambler, C. A., Whiting, A., Evans, S. D.
2018; 143 (24): 6113-6120
- **Chemo-, Regio-, and Stereoselective Copper(II)-Catalyzed Boron Addition to Acetylenic Esters and Amides in Aqueous Media** *JOURNAL OF ORGANIC CHEMISTRY*
Nelson, A. K., Peck, C. L., Rafferty, S. M., Santos, W. L.
2016; 81 (10): 4269-4279
- **Regio- and Chemoselective Diboration of Allenes with Unsymmetrical Diboron: Formation of Vinyl and Allyl Boronic Acid Derivatives** *ACS CATALYSIS*
Guo, X., Nelson, A. K., Slobodnick, C., Santos, W. L.
2015; 5 (4): 2172-2176