



## CBI Seminar



*"Optically Controlled Protein Modification Chemistry"*

**Michael T. Taylor, PhD**  
**University of Wyoming**  
**Department of Chemistry**

**Speed Talk:**

(Abstract is a separate document attached to email)

**WEDNESDAY**

**Sept 22, 2021**

**12:00PM**

**Zoom Link:**

<https://udel.zoom.us/j/963247>

[36608](#)

**CODE: 925921**

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Michael grew up in Salisbury, on the eastern shore of Maryland, and received his undergraduate degree from Salisbury University in 2006. There, he was an undergraduate researcher in Professor Elizabeth Papish's group where he worked on the synthesis of small molecule-metal complexes designed to mimic metalloenzyme active sites. He then moved to the University of Delaware, where he pursued his Ph.D. in Professor Joseph Fox's laboratory. His research in the Fox group focused on the development of new synthetic methods, the total synthesis of natural products, and the development of bio-orthogonal chemistry. After receiving his Ph.D. in Organic Chemistry in 2013, he moved to the United Kingdom to take up a post-doctoral position in the laboratory of Professor Matthew Gaunt at the University of Cambridge, where he was awarded a Marie Curie Postdoctoral Fellowship in 2014. His research at Cambridge primarily focused on the development of a non-classical reactive platform for the selective chemical modification of proteins. In August of 2017, Michael moved back across the pond to take up his position in the Chemistry Department at the University of Wyoming. Michael's research program is underpinned by an interest in developing organic transformations for use at the chemistry-biology interface. During his time at Wyoming, Michael has received an NSF CAREER award, a Thieme Chemistry Journals award, and an NIH outstanding investigator award.



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