



**Chemistry Seminar**  
Friday, October 29 @ 3:15 pm  
WBH 3022

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**“Waste not, want not: Innovations in complex peptide synthesis  
fueled by a focus on green chemistry”**

**Abstract:** Peptides are important lead targets for pharmaceutical and vaccine development, but traditional methods for their synthesis, especially on an industrial scale, are problematic from an environmental and cost perspective. In particular, peptide synthesis is plagued by excess reagents, reaction by-products, harmful solvents, and large levels of solvent consumption during purification. This seminar will describe our recent efforts to apply green chemistry principles to the synthesis of synthetically challenging peptide targets. Areas of current focus in the Stockdill laboratory include disulfide-linked mini-proteins, macrocyclic peptides, and glycopeptides as well as new methods for linear peptide assembly and modification.



*Masks are mandatory*