

# Joint Chemical Biology/Organic Chemistry Seminar



Professor Adam Urbach

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## Sequence-Predictive Recognition of Peptides and Proteins

**Tuesday,  
April 24, 2018**

**3:30pm**

**Room 1315  
Chemistry**

Applications involving supramolecular chemistry rely on the ability to predict the selective interaction between molecules. Although it is straightforward to identify the binding sites in small molecules, the binding sites in proteins are complex and depend on the folding of the polypeptide chain. We and others have sought to uncover the principles by which the molecular recognition of polypeptides may be predicted from their constituent sequences of amino acids. This talk will present the lessons learned from studies of polypeptide recognition with synthetic receptors, which circumvent the limitations inherent to protein folding and mimic the natural behavior of N-recognition.

*Pre-Seminar Social at 3:10pm in the Shain Tower Atrium*



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