



UNIVERSITY OF MINNESOTA  
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# Department of Chemistry

## *Special Seminar*

9:45 a.m. Thursday, September 15 • 331 Smith Hall



Associate Professor

### **Gregory Dudley**

Department of Chemistry and Biochemistry  
Florida State University, Tallahassee, FL

### *Alkyne Chemistry: New Strategies and Tactics*

Research interests: devising, developing, and applying new ideas in organic chemistry to the efficient synthesis of interesting molecules, particularly natural products with medicinal applications.

Website: <http://www.chem.fsu.edu/bio.php?id=15>

### **Abstract**

Research in the Dudley Lab is designed to further the science and practice of organic chemistry. Several new methods are under development, including a tandem nucleophilic addition/C–C bond-cleaving fragmentation reaction that generates alkynes. The research seminar will focus on this ongoing alkynogenic fragmentation methodology. Related applications to the synthesis of complex natural products and to the development of new cycloalkyne reagents for metal-free click coupling will also be discussed.

Host: Professor Thomas Hoye