



UNIVERSITY OF MINNESOTA  
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# Department of Chemistry

## *Special Seminar*

9:45 a.m. Thursday, September 13, 2012 • 331 Smith Hall

Assistant Professor

### Neil Garg

Department of Chemistry and Biochemistry  
(UCLA) University of California, Los Angeles



### ***Complex Molecule Synthesis as a Fuel for Discovery***

Research interests: Research is directed toward the development of synthetic strategies and methods that enable the synthesis of complex bioactive molecules. Methodological interests lie primarily in the areas of transition-metal catalyzed cross-coupling reactions of unconventional phenol-based electrophiles and tactics for the preparation of functionalized heterocycles.

Website: [http://www.chem.ucla.edu/dept/Faculty/garg/Garg\\_Group/About\\_Neil.html](http://www.chem.ucla.edu/dept/Faculty/garg/Garg_Group/About_Neil.html)

### **Abstract**

This presentation will describe my laboratory's recent efforts to develop new tactics for the synthesis of complex organic molecules. In particular, new methods for the synthesis of functionalized heterocycles will be discussed. The application of these methods to the synthesis of drugs and intricate natural products such as aspidophylline A and the welwitindolinones will also be presented.

Host: Thomas Hoye