

UCA Department of Chemistry Seminar

February 10, 2012 2 pm Laney Hall Rm 102

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Nucleic Acid Manipulation: Uses in Fluorescence and DNA/RNA Synthesis

Interest in nucleic acid research has exploded in the last few years. New ways to manipulate those nucleic acids to study their structure and dynamics have been developed. Along those lines, we have developed a novel set of 3H-isoindolo-[2,1-a]purin-2-one derivatives for use as fluorescent base probes. These structures are cytosine-based and provide fluorescent output that can be used to report on changes in a nucleic acid's environment. In addition, new work will be presented concerning our efforts to improve the phosphoramidite monomers used in RNA automated synthesis.

Lunch provided for students with the seminar speaker from 12 – 1 pm in Rm 105.
Contact P. Desrochers (patrickd@uca.edu) for more information.