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**Dr. Mark MacLachlan**

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*Supramolecular Macrocyclic Chemistry - New Materials Through Self-Assembly*

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**Tuesday March 24, 2009 1:00pm**

Otto Maass room 10

Large molecular rings are challenging synthetic targets and can have intriguing properties as a consequence of their structures. Self-assembling large rings through the use of reversible bond formation allows the construction of macrocycles with different sizes, structures, and compositions. In this talk, I will discuss our efforts to expand and understand the synthesis of a family of macrocycles utilizing Schiff base condensation, and I will describe our recent investigations of the coordination chemistry of the macrocycles and their supramolecular organization into tubes and capsules.

Everyone is welcome

