“Walking in the Woods with Quantum Chemistry - The Importance of Inherent Carbocation Reactivity in Terpene Biosynthesis”

**Guest Speaker:**
**Professor Dean Tantillo**
**University of California, Davis**
**Department of Chemistry**

**Abstract:** The results of quantum chemical calculations on the mechanisms of terpene-forming carbocation rearrangements will be described. Unusual phenomena, not usually associated with biological reactions, will be highlighted, e.g., concerted but highly asynchronous reaction steps in which multiple bond forming/breaking events are merged, pathways with post-transition state bifurcations, non-statistical dynamic effects.

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**Organic Seminar**
**Friday, April 1st, 2016 | 9:00 A.M.**
**Hutchison Hall 473**
**University of Rochester**
**Department of Chemistry**