



# Invited Lecture Series

Topic: Geminal Fluorination

## Theoretical Studies of the Schizophrenic Effects of Geminal Fluorination on Organic Reactions: Explanations and Predictions

Dolbier and coworkers have found that geminal fluorination has a large effect on lowering the barrier to *cis-trans* isomerization of 1,2-dimethylcyclopropane. Lemal and coworkers have shown that geminal fluorination actually stabilizes [2.2.2]propellane toward ring opening. In order to understand these very different effects of geminal fluorination, *ab initio* calculations have been performed and, from the results, explanations proposed and experimentally testable predictions made.

**Speaker: Professor Wes Borden**

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ÚOCHB AV ČR

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Flemingovo nám. 2, Praha 6

Lecture Hall 10:00 am