



Department of Chemistry and Chemical Biology

“CNS Drug Discovery: Challenges and Examples”

A Public Seminar
By

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Room 321, Babbio Bldg, 2.00 PM

The discovery of novel agents for the treatment of central nervous system diseases poses unique challenges for medicinal chemists. These issues are in addition to commonly encountered hurdles for drug discovery that include potency, specificity, metabolism, oral pharmacokinetics and safety. This presentation will highlight potential solutions to issues that were encountered during the discovery and development of novel agents for the potential treatment of neurodegenerative disorders such as Alzheimer's Disease, and psychiatric disorders such as schizophrenia. The discovery and development that resulted in two compounds currently undergoing clinical evaluation, lecozotan, a 5HT_{1A} antagonist and vabicaserin, a 5HT_{2C} agonist, will be presented.