

ORGANIC SEMINAR



FRIDAY

MARCH 3RD, 2017

9:00AM

HUTCHISON HALL ROOM 473

**University of Rochester
Department of Chemistry**

Guest Speaker:

Dr. Joshua Roth

**Discovery Chemistry, Dow AgroSciences
LLC**



Title: Novel Crop Protection Solutions: The Discovery and Synthesis

Abstract:

The need for the discovery and development of new agrochemicals continues to be a relentless challenge to help feed a growing world population. Products are needed that deliver enhanced crop protection at a time where there is a continuous loss of products through the development of resistance, a need for products with more favorable environmental and toxicological profiles, and a constant shift in pest pressure. Analyses of the agrochemical industry have highlighted that the rising costs and complexities of agrochemical discovery has, in part, led to increasing consolidation, especially in the US and Europe. While the discovery of new agrochemicals continues, these challenges underscore the demand for novel starting points to accelerate the discovery of agrochemical products. I will discuss how Dow AgroSciences plans to deliver solutions to these challenges and give several examples of crop protection chemicals that started as ideas and culminated in commercial products.

Host: Professor Daniel J. Weix, email: daniel.weix@rochester.edu