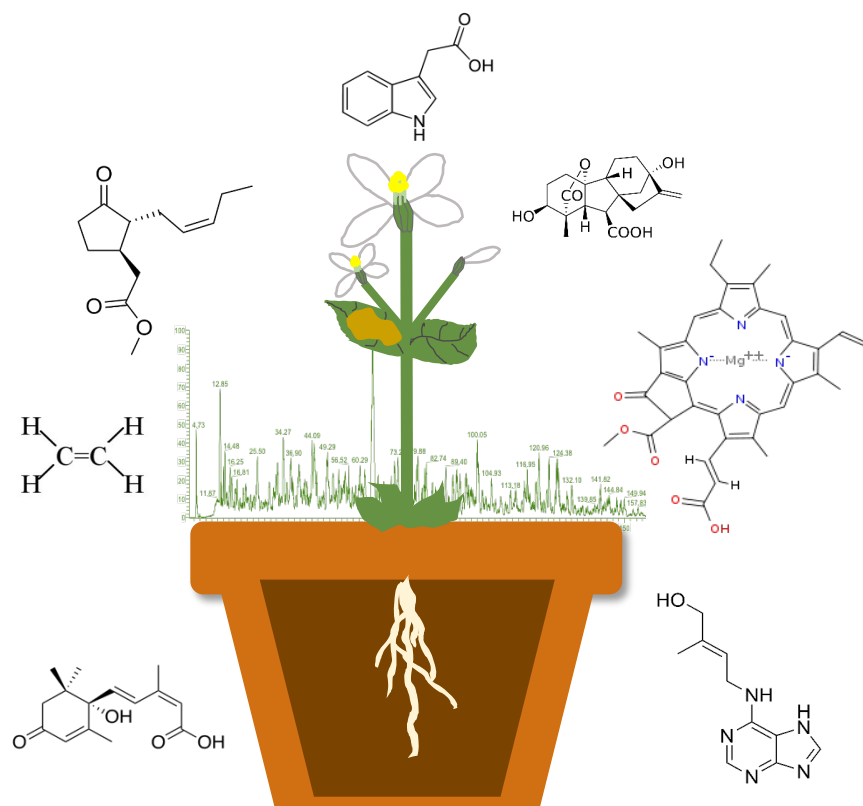


NEW COURSE SPRING 2015!

Overview:

This course will include interactive discussions on contemporary literature, applications experimental design, and use of open-source software.



Topics:

1. From Genomics to Metabolomics
2. Tools of Metabolomics: GC, LC-MS/MS, Mass Spectrometry Imaging, NMR
3. Experimental Design: Targeted and Untargeted
4. Metabolite Identification
5. Metabolic Flux
6. Relative and Absolute Quantification
7. Bioinformatics and Data Analysis
8. Contemporary Investigations in the Use of Metabolomics in Plant and Nutrition Research