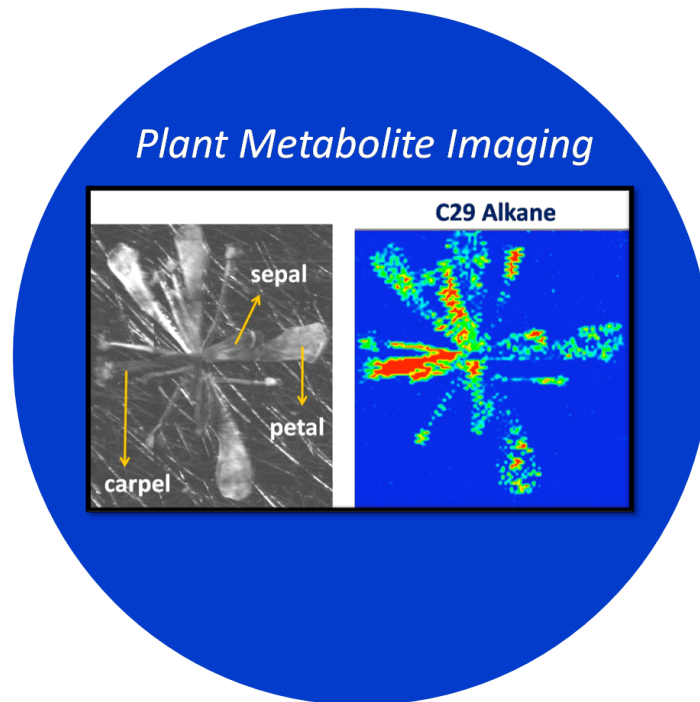


Dr. Young-Jin Lee

Department of Chemistry
Iowa State University

“Mass Spectrometric Imaging of Plant Metabolites at Single-Cell-Level, High Spatial Resolution”



We are developing mass spectrometric imaging techniques to map metabolite distributions within plant tissues, and eventually among individual plant cells. Such information will provide unprecedented details on the distribution of metabolites from cell to cell, cooperative and antagonistic effects among the metabolites, and environmental influences on metabolism.