

P3-202 “Regulation of specialized (“secondary”) metabolism in tomato by genetic manipulation of the phosphoinositol pathway.”

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Abstract:

This project will enhance the overall understanding of molecular basis of increasing antioxidant production and stress tolerance in plants, two traits that could dramatically increase crop value. Researches are going to identify key genes and gene network involved in stress tolerance and activation of antioxidant production in tomato plants. Researches will also create new reproducible biological source of antioxidants by establishment high-productive tomato “hairy roots” cultures.