



Maureen Dolan, PhD
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Academic interests: Plant-based protein production and molecular diagnostic innovations in agriculture

Research Focus & Techniques of Expertise: Transgenic plants for the production of high-value human proteins targeted for anti-inflammatory and anti-cancer therapeutics; Designing molecular-based high throughput diagnostics for plant and food industries; Characterizing plant gene promoter occupancy *in planta* in efforts to design more robust promoters for expression of human proteins in transgenic plants; Entrepreneurial component with the intent to integrate biotechnology into the regional commercial sector through joint ventures and other business relationships.

Grants

Grant P3-103: Regulation, Production and Purification of Bioactive Stilbenoids from Hairy Root Cultures of Peanut.

PI: Fabricio Medina-Boliver; **Co-PI's:** **Maureen Dolan**, Julie Carrier

Grant P3-109: Role of Ascorbate in Mitigating ER and Cellular Stress Associated with Transient and Stable Plant-Based Protein Production.

PI: Argelia Lorence; **Co-PI's:** **Maureen Dolan**, Vibha Srivastava