

## **Symposium**

### **The Purdue-UAB Botanical Research Center: The study of botanicals for age-related diseases**

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The Purdue-UAB Botanicals Research Center studies polyphenolic bioactive compounds from botanicals and their metabolism and relationship to age-related diseases. The Center has supported projects on isoflavones and suppression of bone resorption, isoflavones and other polyphenolics and cardiovascular health and cognitive function, green tea and cancer prevention, and polyphenolics and protection against eye lens protein degeneration with aging. Discoveries from these projects will be discussed. Special capacities of our Center include the ability to produce labeled plant compounds through tissue culture and to track the fate of these compounds in biological samples and to profile metabolites. Center scientists use molecular biology techniques and proteomics to identify functional changes when exposed to botanicals.