



ABSTRACT

“global metabolomic analysis applied to plant systems”

Dr John Ryals

President CEO

Metabolon Inc.

Durham

North Carolina

USA

Metabolon Inc. is a diagnostics and services company offering the industry's a leading biochemical profiling platform. Its patented platform provides a global analysis of complex biological samples for the discovery of markers and pathways associated with drug action and disease. Metabolon has developed the technology to quickly identify and measure all of the biochemicals in a biological sample through its proprietary global processing method. Through the generation and interpretation of data, this method provides a precise understanding of biochemical changes which may explain key biological changes in plant systems.

(2011) A sister group contrast using untargeted global metabolomic analysis delineates the biochemical regulation underlying desiccation tolerance in Sporobolus stapfianus. The Plant cell 23, 1231-1248.

(2012) The chloroplast triggers developmental reprogramming when MUTS HOMOLOG1 is suppressed in plants. Plant Physiology

(2012). "Proteomics and Metabolomics of Arabidopsis Responses to Perturbation of Glucosinolate Biosynthesis." Molecular Plant.