

Jed W. Fahey M.S., Sc.D

John Hopkins nutritional biochemist whose research on plant-based nutrition targets chronic disease prevention



Dr. Jed Fahey is a nutritional biochemist with broad training and extensive background in plant physiology, human nutrition, phytochemistry and nutritional biochemistry. He spent 27 years as a faculty member at the Johns Hopkins School of Medicine. Until retiring in mid-2020, he ran the Cullman Chemoprotection Center, which he helped to create, and which has for many years developed plant-based agents for the purpose of enhancing healthspan.

His research addresses the induction by phytochemicals of cytoprotective, anti-inflammatory, and antioxidant responses in mammalian systems. This work draws on elements of natural product chemistry, enzymology, nutritional epidemiology and clinical research to develop nutritional strategies for chronic disease prevention in humans. Many of these studies deal with the glucosinolates and isothiocyanates that are found primarily in cruciferous vegetables and in a nutritious tropical tree called the drumstick tree or *Moringa oleifera*. Some of his past work has focused upon a variety of flavonoid and phenolic secondary metabolites from ginseng, honey, ginger, ashwagandha, black cohosh, and other plants.

Dr. Fahey's group has developed, characterized, and supplied preparations rich in specific phytochemicals for a large number of animal and clinical studies in which they have played an integral collaborative role. Dr. Fahey also taught graduate courses in both the School of Public Health and School of Medicine. Before joining the JHU faculty in 1993, he spent 15 years in the biotechnology industry and held senior management positions in research and process development.