

John Erdman

Professor Emeritus, Food Science and Human Nutrition

Department of Food Science & Human Nutrition

[Affiliate Research Page](#)

Email: jwerdman@illinois.edu

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Dietary prevention of prostate cancer development and progression with tomato, lycopene, broccoli or soy in animal models and the impact of natural versus synthetic vitamin E on brain development and function.

Research Interests

- Diet and cancer, especially tomato/lycopene and prostate cancer
- Health functions of vitamin E
- Dietary bioactives and health
- Ultrasound detection of fatty liver

Current Projects

- Influence of very low vitamin E status on LPS-induced stress in murine tissues
- Hepatic metabolism of lycopene
- Influence of long-term carotenoid and vitamin E supplementation on blood parameters and health outcomes in the COSMOS trial subjects
- Validation of dried blood spot analysis for human blood carotenoids

Interest Areas for Collaboration/Future Work

- Differential impact of natural and synthetic vitamin E on metabolism
- Influence of lutein on eye and brain health
- Carotenoid status in persons with Multiple Sclerosis

Keywords

Carotenoids, lycopene, lutein, vitamin E, diet and cancer, diet and brain development and cognition, ultrasound and NAFLD

