

2004 Carotenoid Research Interactive Group Conference
Renaissance Hotel
Saturday, April 17, 2004
8:30 AM to 12:30 PM

The Carotenoid Research Interactive Group (CARIG) Conferences are annually held during the Experimental Biology Meeting in association with ASNS. The CARIG Conference will be held on Saturday, April 17, 2004 from 8:30 AM to 12:30 PM at the Renaissance Hotel in Washington DC. The objectives of CARIG conferences are to provide a forum for researchers from differing disciplines an opportunity to hear current reports by colleagues and to discuss developments and challenges in understanding the function o carotenoids in biological systems generally and in human health specifically. Especially important to the CARIG Conference is the goal of bringing researchers together and developing collaborations by combining talents, training and techniques in novel approaches to the understanding of the multitude of current carotenoid biochemical problems.

2004 CARIG Topic
Supplementation – Lutein, Zeaxanthin, and Lycopene

The carotenoid ‘new-comers’ in the nutraceutical marketplace are the xanthophylls, lutein and zeaxanthin and the carotene, lycopene. Lutein and zeaxanthin are noted for their accumulation in the human retina. There is interest in their antioxidant nature and their potential functions in reduction of risk for age-related macular degeneration and atherosclerosis. Serum lycopene levels and consumption are reported to be indicators for reduced risk of prostate cancer where high levels of lycopene are known to occur. Supplementation studies using these three carotenoids (or foods abundant in them) have begun to appear in the literature and while much remains to be done some fundamental facts are now emerging and new questions are being formulated. The objectives of the CARIG speakers this year will be to provide a layout of the current state of supplementation research for these three carotenoids and to elicit a dialog on the challenges involved in understanding the influence that these carotenoids may have on health in human populations (see program below).

The discussion periods have been organized to ensure that time is available for audience contributions. We encourage conference participants to bring data from their own studies that are either recently concluded or currently underway which may enrich and drive the discussion. Those intending to bring such updates should contact the organizers to facilitate ease of presentation of graphic material and to ensure their contribution can be recognized in a timely manner.

Carotenoid Research Interactive Group (CARIG) Conference Program

8:30 am -12:30 pm, Saturday, April 17, 2004
Renaissance Hotel, Washington, D.C.

Co-Chairs:

John Landrum, Florida International University
Julie Mares, University of Wisconsin
Sherry Tanumihardjo, University of Wisconsin

Speakers:

James A. Olson Memorial Perspectives on Carotenoids Lecture: "Food Matrix Effects on Carotenoid Absorption"

Steve Schwartz, Ohio State University

"An Overview of Lycopene Supplementation"

Phyllis Bowen, University of Illinois, Chicago

"Lycopene and Vitamin E in an Animal Model for Prostate Cancer"

Karin Wertz, DSM, Switzerland

Discussion: Lycopene Supplementation

"Overview of Lutein/Zeaxanthin Supplementation"

John Landrum, Florida International University

"Lutein Supplements: More is not Necessarily Better"

Sherry Tanumihardjo, University of Wisconsin

"Lutein Supplementation in Humans: Recent Studies"

Elizabeth Johnson, Jean Mayer USDA HNRCA at Tufts University

"Zeaxanthin Experiences from a Recent Supplementation Trial with Zeaxanthin and Lutein in Humans"

Wolfgang Schalch, DSM, Switzerland

Discussion: Lutein/Zeaxanthin Supplementation

"Carotenoid Supplementation: Establishing Relationships to Health, the Variables and the Challenges"

Julie Mares, University of Wisconsin

Concluding Discussion and Panel