The 18th International Symposium on Carotenoids, Lucerne 2017

Thursday, 13 July

08.30-09.15
Lucerne Hall: VII Carotenoid Metabolism
Chair: L. Quadro
Speaker: J. von Lintig
Topic: Provitamin A Metabolism and Functions in Mammalian Biology

09.15-10.00
Lucerne Hall: VIII Brain and Cognition
Chair: M. Neuringer
Speaker: L. Johnson
Topic: A Decade of Research on Lutein and Cognition

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Keynote lectures
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10.00-10.30
Coffee break

10.30-12.30
Parallel sessions
Auditorium: 11. Carotenoid Metabolism
Chairs: J. von Lintig, L. Quadro
Speakers: E. Harrison
J. Amengual
A. Eroglu
R.P. McQuinn

Lucerne Hall: 12. Industrial Production and Commercial Application
Chairs: E. Yamashita, R. Roberts
Speakers: T. Ishibashi
K.W. Gellenbeck

Mechanisms of carotenoid uptake by retinal pigment epithelial cells
Role of Beta-carotene conversion to vitamin A in atherosclerosis
The effect of alcohol on hepatic vitamin A metabolism: significance for alcoholic liver disease
A plasma proteome is associated with carotenoid status and dietary intake of food sources of carotenoids
Towards the characterization of the zeta-carotene derived apocarotenoid signal (ACS1) related to altered leaf development
Sequential Release Multi-Carotenoid Beadlet: taking an idea from the laboratory to the market
Commercial production of Haematococcus pluvialis

Commercial production and Usage examples of carotenoid with Porococcus carotinifaciens
Enhancement in central metabolism and carotenoid biosynthesis by photosynthetic astaxanthin production in the recombinant marine cyanobacterium
Commercial production of Haematococcus pluvialis
How to select the most eco-friendly manufacturing process for carotenoids

12.30-13.00
Lunch break

13.00-13.45
GOLD Seminar Abbott: Carotenoid transport and deposition during pre-natal and post-natal periods (Matthew J. Kuchan, Abbott; Lisa Renzi-Hammond, University of Georgia)

Time for meetings and networking

Parallel sessions
Chairs: L. Johnson, M. Neuringer
Speakers: M. Neuringer

Lucerne Hall: 14. Food Science and Technology
Chairs: A. Melendez, V. Böhm
Speakers: P. Esquivel

30 min
Functional connectivity of cerebral cortical networks in monkey infants fed breast milk or formulas with low or high carotenoid content

The macular carotenoids improve central nervous system efficiency across the lifespan: behavioral and neuroimaging results
BDNF: A mechanism for cognitive improvement with macular carotenoid supplementation?
The Distribution of Lutein among Circulating Lipoproteins Can Be Modified by Egg Intake and Influences Macular Pigment and Cognition in Adults

30 min
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R. Schweiggert
P. Mapelli-Brahm
J. Corte-Real

14.30-16.30
30 min
20 min
20 min
20 min
20 min

Under-utilized Latin American fruits as promising sources of carotenoids
Carotenoid bio-accessibility in fruit and vegetable based food systems
Naturally occurring versus man-made carotenoid forms – Does nature provide models for biomimetic approaches?
Effect of thermal treatments in orange juice on the bioaccessibility of phytoene and phytofluene in relation to changes in particle size and in plashtids
No influence of supplemental dietary calcium intake on the bioavailability of spinach carotenoids in humans

16.30
Lucerne Hall: ICS Business Meeting

17.00-18.30
Poster Session III

19.00-21.00
Awards Banquet