

PROGRAM
WORKSHOP `Carotenoids in foods, nutrition and health`

Tuesday 23rd October 2018		
8:15-9:00 Registration at the Venue- ADEIT		
9:00-9:15	Welcome Organizing and Scientific Committees	
9:15-10:15	Prof. Dr. J. von Lintig `Carotenoids in Health and Disease: The Red-hot Role of ISX` School of Medicine, Case Western Reserve University, Cleveland, United States Chair: Dr. A. Meléndez-Martínez (University of Sevilla, Spain)	
SESSION Bioavailability I Chair: Dr. T. Bohn; Co-Chair: Mr M. Iddir (Luxembourg Institute of Health, Luxembourg)		
10:15-10:35	Micellization and intestinal cell uptake of pure phytoene and phytofluene, comparison with other carotenoids.	Ms P. Mapelli-Brahm (University of Sevilla, Spain)
10:35-10:55	Whey protein isolate modulates β -carotene bioaccessibility under selective simulated gastro-intestinal digestion conditions.	Mr M. Iddir (Luxembourg Institute of Health, Luxembourg)
10:55-11:15	Xanthophyll esters – distribution, stability and bioaccessibility.	Dr. A. Pintea (University of Agricultural Sciences and Veterinary Medicine, Romania)
Coffee-Posters Session		
SESSION Health Beneficial Effects Chair: Dr. J. Dulińska-Litewka (Jagiellonian University Medical College, Poland); Co-Chair: P. Mapelli-Brahm (University of Sevilla, Spain)		
11:45-12:15	Molecular mechanisms of action of β -apocarotenoids and functional biomarkers of plasma carotenoid.	Dr. A. Eroğlu (College of Agriculture and Life Sciences, North Carolina State University, USA)
12:15-12:35	Protective mechanisms of combined treatment with β -carotene and metformin against high fat diet feeding-induced metabolic derangement.	Ms A. Serrano (University of Illes Balears, Spain)
12:35-12:55	Evidence that xanthophyll carotenoids provide beneficial effects on eye, brain and cardiovascular health.	Dr. R. Moran (Waterford Institute of Technology, Ireland)
12:55-13:15	Effect of lycopene on oxidative stress.	Dr. S. Krstić (Vlaisavljevic) (University of Novi Sad, Serbia)
13:15-13:35	Fruit and vegetable intake and the macular pigment optical density.	Dr. B. Olmedilla-Alonso (ICTAN-CSIC, Madrid, Spain)
Lunch		
SESSION Bioavailability II Chair: Dr. C. Socaciu (University of Agricultural Sciences and Veterinary Medicine, Romania); Co-Chair Dr. J. Corte-Real (Luxembourg Institute of Health, Luxembourg)		
15:00-15:20	Molecular mechanisms of carotenoid intestinal transport: where do we stand?	Dr. E. Reboul (French National Institute of Agronomical Research, France)
15:20-15:40	The effect of genetic variants on the bioavailability of phytoene and phytofluene.	Dr. C. Desmarchelier (Aix-Marseille Université, France)
15:40-16:00	Role of food bioactives in the modulation of intestinal permeability: insights from the MaPLE study and beyond.	Dr. P. Riso (University of Milan, Italy)
16:00-16:20	Association of plasma carotenoids with age and frailty in different cohort studies	Dr. D. Weber (German Institute of Human Nutrition, Germany))
Coffee-Posters Session		
SESSION Industry I Chairs: Dr.N. O'Brien (University College Cork, Ireland); Dr. L. Zacarías (IATA-CSIC, Spain)		
16:45-17:45	Perspectives for carotenoids – and industry view.	Dr. M. Eggersdorfer (Former Sen. Vice President Nutrition Science in DSM Nutritional Products; University of Groningen)
17:45-18:45	Trends in the use of carotenoids to provide colour in food.	Dr. M.H. Damasio (Global Regulatory Coordinator, ROHA Europe, S.L.U)
19:00	Social Event: Historical Valencia Walking tour and Cocktail	

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Wednesday 24 th October 2018		
SESSION Industry II		
Chair: Dr. K. Kljak (Faculty of Agriculture, University of Zagreb, Croatia)		
9:00-10:00	The use of carotenoids in animal nutrition.	Dr. S. Peris (Head of Technical Services in Europe and Middle East at Novus International)
10:00-10:20	Skin care benefits of phytoene and phytofluene	Dr. F. Havas (Senior Scientist at IBR- a Frutarom company, Israel.)
SESSION Occurrence, extraction and production of carotenoids in foods I		
Chair: Dr. A. Mandić (Institute for Food Technology in Novi Sad, University of Novi Sad, Serbia); Co-Chair: Mr L. Van Meulebroek (Ghent University, Faculty of Veterinary Medicine, Belgium)		
10:20-10:40	Identification and quantification of carotenoids in medicinal and aromatic plants	Dr. E. Sarrou (Institute of Plant Breeding and Genetic Resources, HAO-DEMETER, Greece)
10:40-11:00	Artificial lighting effects on the production of carotenoids in fruits and vegetables	Mr. F. Bantis (Aristotle University of Thessaloniki, Greece)
Coffee-Posters Session		
SESSION Occurrence, extraction and production of carotenoids in foods II		
Chair: Dr. L. Bogacz-Radomska (Institute of Chemistry and Food Technology at Wroclaw University of Economics, Poland); Co-Chair Ms. R. Abdelkebir (Arid Lands Institute, Tunisia)		
11:50-12:10	The effect of green extraction in the carotenoid content of seven Mediterranean plants	Ms. R. Abdelkebir (Arid Lands Institute, Tunisia)
12:10-12:30	Novel technologies for carotenoid extraction and preservation	Dr. J. Žlabur (Faculty of Agriculture University of Zagreb, Croatia)
12:30-13:30	Prof. Dr. M. Tsimidou `Saffron, the treasured source of apocarotenoids. Production, processing, composition, functional properties and prospects in Europe` School of Chemistry, Aristotle University of Thessaloniki, Greece Chair: Dr. M. J. Rodrigo (IATA-CSIC, Spain)	
Lunch		
14:30-15:00	Workshop Concluding Remarks Scientific Committee	

EUROCAROTEN 4th Working Groups Meetings

WG1: Production: developing resources and biosynthetic pathway; **WG2:** Quality along food chain; **WG3:** Nutrition and Health; **WG4:** Transfer and dissemination

Wednesday 24 th October 2018	
15:00-16:00	WG4 Plenary Meeting
Coffee	
16:30-18:30	WG1, 2 and 3 Parallel Meetings

EUROCAROTEN 4th Working Groups Meetings and 5th Management Committee

Thursday 25 th October 2018	
9:00-10:30	All WGs Discussion
Coffee	
11:00-13:00	Management Committee Meeting
Lunch	