

Programme



COST863 WG4 Joint Meeting with

The 4th International Conference on Polyphenols and Health (ICPH2009)

Bioactive compounds in berry fruits and human health benefits

Harrogate International Centre, Harrogate, UK

December 7th and 10th 2009

PROGRAM

Organised by the School of Food Science and Nutrition, University of Leeds and the COST863 "Euroberry Research: from Genomics to Sustainable Production, Quality and Health"

Organised by

Gary Williamson, University of Leeds
Andrea Day, University of Leeds
Margit Laimer, BOKU, Wien
Maurizio Battino, Marche Polytechnic University, Ancona, Italy
Bruno Mezzetti, Marche Polytechnic University, Ancona, Italy

ICPH organiser
ICPH organiser
WG4 Leader
WG4 Co-Leader
COST863 Chairman

Program

Monday, December 7rd

Opening of the workshop and welcome

1.00-1.05 **Gary Williamson**, ICPH Chairman
Bruno Mezzetti, Chairman of the COST Action 863

Section 1 – HUMAN HEALTH BENEFITS OF BERRY FRUIT

Moderator: Bruno Mezzetti

1.05-1.25: I. Erlund, R. Koli, G. Alfthan, J. Marniemi, P. Mattila, A. Jula; BERRY CONSUMPTION IN HUMANS: BIOAVAILABILITY OF POLYPHENOLS AND EFFECTS ON CARDIOVASCULAR RISK FACTORS

1.25-1.55: W. Kalt, J. McDonald, S. Fillmore, M. Vinqvist, F. Tremblay; BLUEBERRY BENEFITS IN NORMAL VISION AND AFTER RETINAL STRESS

1.55-2.15: V. Tumbas, J. Canadanovic-Brunet, S. Djilas, G. Cetkovic, D. Cetojevic-Simin; CHARACTERIZATION AND FREE RADICAL SCAVENGING ACTIVITY OF BILBERRY (*Vaccinium myrtillus* L.) ANTIOXIDANTS

2.15-2.35: J.-H. Kim, C. Auger, T. Chataigneau, V.B. Schini-Kerth; ARONIA JUICE, A BERRY JUICE RICH IN POLYPHENOLS, INDUCES REDOX-SENSITIVE ACTIVATION OF ENDOTHELIAL NITRIC OXIDE SYNTHASE AND RELAXATION IN PORCINE CORONARY ARTERIES

2.35-2.45: Discussion

Join ICPH2009 introductory lecture

3.00-3.05: Welcome to ICPH2009, Gary Williamson

3.05-3.30: H. Sies; POLYPHENOLS AND HEALTH: INTRODUCTION AND PERSPECTIVES

Break: 3.30-4.00 (*Queen's suite*)

Section 2 – MECHANISMS AND FACTORS AFFECTING BERRY FRUIT HEALTH BENEFITS

Moderator: M. Battino

4.00-4.20: C. Rendeiro, C. Williams, D. Vauzour, J.M. Merillon, P. Waffo-Teguo, J.P. Spencer; THE MOLECULAR EVENTS UNDERLYING BLUEBERRY-INDUCED IMPROVEMENTS IN SPATIAL WORKING MEMORY IN YOUNG AND AGED RATS

4.20-4.40: M. Josuttis, E. Krüger, H. Dietrich, R. Nestby; CULTIVAR AND PRODUCTION SYSTEM: POSSIBILITIES TO AFFECT THE CONTENT OF BIOACTIVE COMPOUNDS IN STRAWBERRY

4.40-5.00: J. Diamanti, F. Capocasa, F. Giampieri, M. Battino, B. Mezzetti; QUALITY, NUTRITIONAL QUALITY AND NUTRACEUTICAL VALUE AS A NEW TASK FOR STRAWBERRY BREEDING

5.00-5.20: G. Rapeanu; METABOLIC ACTIVITY STIMULATION OF THE YEASTS BY POLYPHENOLS FROM BLACK CURRANT BERRIES (*Ribes nigrum* L.)

5.20-5.50: D. Stewart; THE INTEGRATION OF HUMAN HEALTH AND SOFT FRUIT BREEDING

5.50-6.00: Discussion

6.15-7.30: *Drinks Reception in the Royal Hall*

Tuesday, December 8th, 2009

Join ICPH2009 session 3

3. Bioavailability (Auditorium)

9.00-9.25: P. Hollman; POLYPHENOL BIOAVAILABILITY

9.25-9.50: J. Terao; FLAVONOID PARADOX BETWEEN BIOLOGICAL ACTIVITY AND BIOAVAILABILITY:INSIGHT INTO THEIR DELIVERY TO THE TARGET SITE

9.50-10.10: *Welch's Sponsored New Investigator Lecture:* A. Stalmach; BIOAVAILABILITY OF POLYPHENOLIC COMPOUNDS FROM CONCORD GRAPES IN HUMANS

10.10-10.30: S. Passamonti; BIOAVAILABILITY OF FLAVONOIDS: THE ROLE OF BILITRANSLOCASE-MEDIATED MEMBRANE TRANSPORT IN ANIMAL AND PLANT ORGANISMS

Break: 10.30-10.55 (*Hall Q*)

5. COST863: Euroberry (Queen's Suite)

Moderator: D. Stewart

10.55-11.15: W. Mullen, R. Gonzalez-Barrio, G. Borges, K. Arnold, A. Crozier; ABSORPTION, METABOLISM AND POTENTIAL PROTECTIVE EFFECTS OF BERRY-DERIVED ANTHOCYANINS AND ELLAGITANNINS

11.15-11.35: G. Maiani, E. Azzini, F. Intorre, P. Vitaglione, A. Napolitano, M.S. Foddai, A. Durazzo, A. Fumagalli, G. Catasta, L. Rossi, E. Venneria, A. Raguzzini, L. Palomba, V. Fogliano; STRAWBERRY PHYTOCHEMICALS: ABSORPTION, BIOAVAILABILITY AND METABOLISM IN HUMANS

11.35-12.05: R.D. Hurst, S.M. Hurst, D. Stevenson, K. Lyall, R.W. Wells, B.

Schrage; BERRYFRUIT RESEARCH AT PLANT AND FOOD RESEARCH, NEW ZEALAND: FROM CHEMISTRY TO HEALTH

12.05-12.35: J.A. Joseph, B.Shukitt-Hale, L. Willis; NUTRITIONAL MODULATION OF BRAIN AGING VIA BERRYFRUIT OR WALNUT SUPPLEMENTATION

Lunch: 12.35-2.35 (Hall Q)

Posters presented 1.30-2.30 (Hall Q)

Euroberry participation to the ICPH conference section expected for December 9th and 10th.