

209th OMICS Group Conference

Scientific Program



3rd International Conference and Exhibition on **Nutrition & Food Sciences**

September 23-25, 2014 Valencia Convention Centre, Spain



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OMICS Group Conferences

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Keynote Forum

- 09:30-09:35 Introduction**
- 09:35-10:00 Charles C Muscoplat**
University of Minnesota, USA
- 10:00-10:25 Manfred Eggersdorfer**
University Medical Center Groningen and DSM, Netherlands
- 10:25-10:50 Massimo Cecaro**
Italian Medical Press Association, Italy

Coffee Break 10:50-11:05 @ Auditorium 3 Foyer

Felicitation to OCM's and EB Members

Group Photo

Satellite Symposium on "Nutrient Solutions for a Healthy Life"

- 11:05-11:25 Nutrient intake - A global view**
Manfred Eggersdorfer, University Medical Center Groningen and DSM, Netherlands
- 11:25-11:45 Nutritional solutions to counteract impact of air pollution**
Daniel Raederstorff, DSM Nutritional Products, Switzerland
- 11:45-12:05 Nutritional modulation of inflammation in airways disease**
Lisa Wood, University of Newcastle, Australia
- 12:05-12:25 Vitamin E- Emerging benefits**
Szabolcs Peter, DSM Nutritional Products, Switzerland

Lunch Break 12:25-13:10 @ Multi Purpose Hall 2

- 13:10-13:30 Impact of air pollution on human health**
Fernando Holguin, University of Pittsburgh, USA
- 13:30-13:50 Issues of air pollution exposure science and epidemiology**
Jane E Clougherty, University of Pittsburgh, USA

Panel Discussion

- Track 1: Nutrition and Basic Science
Track 2: Pediatric Nutrition
Track 3: Nutritional Deficiency and Disorders

Session Introduction

Session Chair: Horacio Perez-Sanchez, Universidad Catolica San Antonio de Murcia (UCAM), Spain

Session Co-Chair: Caroline Dani, Methodist University IPA, Brazil

- 13:50-14:10 Antiproliferative effect of main dietary phytosterols and/or β -cryptoxanthin in human colon cancer Caco-2 cells through cytosolic Ca^{2+} - and oxidative stress-induced apoptosis**
Antonio Cilla, University of Valencia, Spain
- 14:10-14:30 Recent advances in Vitamin K metabolism**
Toshio Okano, Kobe Pharmaceutical University, Japan
- 14:30-14:50 Grape juice: Its compounds and health benefits**
Caroline Dani, Methodist University IPA, Brazil
- 14:50-15:10 The influence of magnesium deficiency on bone remodeling cells**
Marina M Belluci, University Estadual Paulista, Brazil
- 15:10-15:30 Antioxidant supplementation of subfertile men improves top blastocyst rate in couples undergoing IVF/ICSI**
Johannes Wogatzky, IVF Centers Prof Zech, Austria

Coffee Break 15:30-15:45 @ Auditorium 3 Foyer

- 15:45-16:05 Effect of a plant-based low-carbohydrate diet on body weight and blood lipids in Hyperlipidemic adults**
Julia MW Wong, Boston Children's Hospital, USA
- 16:05-16:25 Computational discovery of bioactive compounds binding to hepatic HMGCR**
Horacio Perez-Sanchez, Universidad Catolica San Antonio de Murcia (UCAM), Spain
- 16:25-16:45 Baking and storage stability of Vitamin A in wheat flour**
Z O Apotiola, Lagos State Polytechnic, Nigeria
- 16:45-17:05 Improving food safety culture with a right communication**
Massimo Cecaro, Italian Medical Press Association, Italy
- 17:05-17:25 Cyanidin-3-O-glucoside ameliorates lipid and glucose accumulation in C57BL/6J mice via activation of PPAR- α and AMPK?**
Yaoyao Jia, Korea University, Republic of Korea
- 17:25-17:45 Should parenteral nutrition solutions for preterm infants be photoprotected?**
Sophie Laborie, Hopital Femme Mere Enfant, France
- 17:45-18:05 The food origin of migraine as a result of Diamine Oxidase (DAO) enzyme deficiency**
Adriana Duelo, International Society of DAO Deficiency, Spain

Panel Discussion

Keynote Forum

- 09:00-09:05 **Introduction**
- 09:05-09:30 **Monika Haros**
Institute of Agrochemistry and Food Technology (IATA-CSIC), Spain
- 09:30-09:55 **Jose De J Berrios**
United States Department of Agriculture, USA

Track 4: Nutritional Therapy & Treatment

Track 5: Industrial Food Safety and Management

Track 6: Food Processing and Technology

Track 7: Public Health Nutrition

Session Introduction

Session Chair: **Alvaro Ronco**, Pereira Rossell Women's Hospital, UruguaySession Co-Chair: **Antal Veha**, University of Szeged, Hungary

- 09:55-10:15 **Nutriequalization: Attempting to improve survival in cancer patients through nutritional modifications**
Alvaro Ronco, Pereira Rossell Women's Hospital, Uruguay
- 10:15-10:35 **Exploring factors associated with compliance with CKD-specific low protein supplements among CKD patients**
Fang-Ching Hu, Taipei Tzu Chi Hospital, Taiwan
- 10:35-10:55 **Nutritional support in early Alzheimer's disease: What, why and when?**
Laus M Broersen, Nutricia Research, The Netherlands

Coffee Break 10:55-11:10 @ Auditorium 3 Foyer

- 11:10-11:30 **Impact of nutritional modification on Egyptian patients with fatty liver combined with HCV**
Osama A. Fekry, Dar Alshefa Hospital, Egypt
- 11:30-11:50 **From chemoprevention to identification of potential therapeutic targets and biomarkers for breast cancer**
Somya Shanmuganathan, Sultan Qaboos University, Oman
- 11:50-12:10 **MUN-SI, Portugal. A contribution for the EU project OPEN**
Ana Rito, Research Centre on Health & Nutrition CEIDSS, Portugal
- 12:10-12:30 **Suggestions of supporting a healthy nutrition policy at grocery stores**
Anna-Maria Saarela, Savonia University of Applied Sciences, Finland

Lunch Break 12:30-13:15 @ Multi Purpose Hall 2

- 13:15-13:35 **Gestational Diabetes Mellitus (GDM) status in the Makkah city Western Saudi Arabia**
Fayaz Ahmed Sahibzada, Umm Al Qura University, KSA
- 13:35-13:55 **Use of ancient latin-american crops in bread. Effect on mineral availability and glycemic index**
Monika Haros, Institute of Agrochemistry and Food Technology (IATA-CSIC), Spain
- 13:55-14:15 **New approach in nutrition education: Electronic dietary recording and self-monitoring**
Louisa Ming Yan CHUNG, The Hong Kong Institute of Education, China
- 14:15-14:35 **Quality attributes of functional extruded lentil-based snacks fortified with nutritional yeast**
Jose De J Berrios, United States Department of Agriculture, USA
- 14:35-14:55 **Improving food safety of wheat flour**
Antal Veha & Jozsef Gal, University of Szeged, Hungary
- 14:55-15:15 **Ultrasound processing effects on nutritional quality of fruit juices and chocolate products**
Ozlem Tokusoglu, Celal Bayar University, Turkey
- 15:15-15:35 **Nutrition labelling and the choices logo in Israel: Position and perceptions of leading health policy makers**
A. Gesser-Edelsburg, University of Haifa, Israel

Coffee Break 15:35-15:50 @ Auditorium 3 Foyer

- 15:50-16:10 **Camel milk attenuates the biochemical and morphological features of diabetic nephropathy: Inhibition of Smad1 and collagen Type IV Synthesis**
Aida A Korish, King Saud University, Saudi Arabia
- 16:10-16:30 **Introduction to quantitative nutritional risk assessment: A new approach**
Fernando Perez-Rodriguez, University of Cordoba, Spain
- 16:30-16:50 **Promoting sustainable food production by developing eco-efficient and tailor made packaging for fresh foods: The EcoBioCAP EU project**
Nathalie GONTARD, National Institute for Agronomical Research (INRA), France
- 16:50-17:10 **Food allergies: Food labeling strategies, conventional processing and High Pressure Processing (HPP) effects on food allergens**
Ozlem Tokusoglu, Celal Bayar University, Turkey

Panel Discussion

10:00-12:00 Poster Presentations @ Auditorium 3 Foyer

- NS-001 **Effect of blanching conditions on sulforaphane content in purple and roman cauliflower (*Brassica oleracea* L. var. *Botrytis*)**
Andrea Mahn, Universidad de Santiago de Chile, Chile
- NS-002 **Optimization of convective drying of broccoli to maximize the content of sulforaphane**
Andrea Mahn, Universidad de Santiago de Chile, Chile
- NS-003 **Activation of olfactory receptor 1A1 suppresses PPAR- γ expression by induction of HES-1 in cultured hepatocytes**
Chunyan Wu, Korea University, Republic of Korea
- NS-004 **Effect of storage period on microbiological quality of whole and low-fat pasteurized cow mil**
Ebtehal Abdulaziz Altamim, Princess Noura Bint Abdulrahman University, Saudi Arabia
- NS-005 **From Asia to Mediterranean: Soya bean, Spanish legumes and commercial Soya Bean principal component, cluster and meta analyses**
Francisco Torrens and Gloria Castellano, Universidad Catolica de Valencia San Vicente Martir, Spain
- NS-006 **Application of supercritical water oxidation process as a novel green technology for rapid soy protein hydrolysis**
Geun-Pyo Hong, Jeju National University, Korea

- NS-007 **Concentrations of Chromium, Selenium, and Copper in the hair of visceral-obese adults are associated with insulin resistance**
Ha-Na Kim, The Catholic University of Korea, South Korea
- NS-008 **Barley sprout containing hexacosanol and saponarin ameliorates hypercholesterolemia and hyperglycemia in HepG2 and obese mice by modulation of AMPK and SREBP2 activities**
Ji Hae Lee, Korea University, Republic of Korea
- NS-009 **The content of omega 3 fatty acids in muscles and content of volatile fatty acids in gastrointestinal tract of pigs fed a high-fat diet supplemented with probiotics, prebiotics and flaxseed oil**
Matej Brestensky, National Agricultural and Food Center, Slovakia
- NS-010 **Optimization of pre-treatment conditions to improve qualities of frozen home meal replacement**
Mi-Jung Choi, Konkuk University, Korea
- NS-011 **Consumption of different dietary lipids modulates the expression of miRNAs**
Patricia Casas, Madrid Institute for Advanced Research (IMDEA), Spain
- NS-012 **Discovery of novel markers and targets for therapy of breast cancer via phyto-chemoprevention**
Somya Shanmuganathan, Sultan Qaboos University, Sultanate of Oman
- NS-013 **Chia (*Salvia hispanica* L.) and flax (*Linum usitatissimum* L.) seed as a suitable plant source of n-3 polyunsaturated fatty acids**
Soňa Nitrayova, National Agricultural and Food Center, Slovakia
- NS-014 **Antiviral activity of phytochemicals using a Norovirus surrogate system**
Sung Joon Lee, Korea University, Republic of Korea
- NS-015 **Antioxidant capacity assessment of the fat soluble vitamins from sea buckthorn oil (*Hippophae rhamnoides*, spp. *Carpatica*) and polyphenols from walnut (*Juglans Regia* l) on heat treated meat products**
Tamara Mihociu and Paul Mihai Apostu, National R&D Institute for Food Bioresources, Romania
- NS-016 **Effect of black-colored rice extract on the differentiation of 3T3-L1 and C3H10T1/2 cells**
Yeonji Kim, Korea University, Republic of Korea
- NS-017 **Quality of life and nutritional status of patients with inflammatory bowel disease**
Malgorzata Fejfer, Poznan University of Life Sciences, Poland
- NS-018 **Insulin resistance in relation to biochemical parameters and Food Frequency Questionnaire in obese patients - Bioactive Food Project**
Malgorzata Fejfer, Poznan University of Life Sciences, Poland
- NS-019 **Monitoring the levels of neoformed compounds in bread by front-face fluorescence spectroscopy**
Julie Mardon, Clermont Université, France

Day 3 September 25, 2014

Committee Room 1-2

Track 8: Current Research in Nutrition and Food Sciences

Track 9: Nutrition through Life Course

Track 10: Recent advances in Nutritional & Food Sciences

Session Introduction

Session Chair: El-Sayed M Abdel-Aal, Guelph Food Research Centre, Canada

Session Co-Chair: Sung-Joon Lee, Korea University, Republic of Korea

09:30-09:50 It's not your Grandmothers cookbook anymore: Chemicals and genes in your food; with the chemicals and genes in you!

Charles C Muscoplat, University of Minnesota, USA

09:50-10:10 Barley-based functional foods in health and nutrition

El-Sayed M Abdel-Aal, Guelph Food Research Centre, Canada

10:10-10:30 Alternatives to in-feed antibiotics and their impact on the safety of animal products

Eva Skrivanova, University of Life Sciences in Prague, Czech Republic

10:30-10:50 Using nanoemulsions as delivery systems for active lipophilic active compounds

Gemma Oms Oliu, University of Lleida, Spain

Coffee Break 10:50-11:05 @ Auditorium 3 Foyer

11:05-11:25 The relationship between osteoporosis knowledge, beliefs, and dietary calcium intake among Saudi adults

Hala Hazam Al-Otaibi, King Faisal University, Saudi Arabia

11:25-11:45 Hydration status and nutritional knowledge of athletes

Pamela Magee, University of Ulster, N. Ireland

11:45-12:05 Aflatoxin M1 in raw, pasteurized and baby infant formula

Sharaf S Omar, AL-Balqa Applied University, Jordan

12:05-12:25 Regulation of lipid metabolism with *Plantago asiatica* essential oil and its major compound, linalool

Sung-Joon Lee, Korea University, Republic of Korea

Lunch Break 12:25-13:10 @ Multi Purpose Hall 2

13:10-13:30 Statistical analysis for the gut microbiome-diet association: An overview

Mihaela Pricop-Jeckstadt, University of Bonn, Germany

13:30-13:50 Pharmacologic therapy targeting endogenous miRNAs by dietary components

Alberto Davalos, Madrid Institute for Advanced Research (IMDEA), Spain

13:50-14:10 Effect of selected natural supplements on ovarian steroidogenesis

Alexander Sirotkin, Animal Production Research Centre Nitra, Slovakia

14:10-14:30 Demographic variation in nutrition knowledge in a Turkish community sample

Ayten Aylin Alsaffar, Ozyegin University, Turkey

14:30-14:50 The deranged human penchant for salt

Micah Leshem, The University of Haifa, Israel

Award Ceremony

Bookmark your dates

4th International Conference and Exhibition on

Nutrition

October 26-28, 2015 Chicago, USA



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