

*IUNS 20th International Congress of Nutrition*

**Wednesday, September 18th**

**Andalucía Rooms**

**08.00 10.30 PS3-25**

**T1-1.1 New biomarkers for health claims made on food**

*Chairs: Aldona Dembinska-Kiec, The Jagiellonian University Medical College (JUMC), Krakow, Poland & Lluís Arola, CTNS, Universitat Rovira I Virgili, Tarragona, Spain*

8:00. Biomarkers of benefit for health claims made on food: this is the challenge  
*Andreu Palou, University of the Balearic Islands (UIB) and CIBERobn, Spain*

8:10. Biomarkers of healthy phenotype  
*Ben VanOmen, TNO Quality of Life (TNO), Zeist, The Netherlands*

8:20. Stress challenges as tools for biomarker identification  
*Susanne Klaus, German Inst. of Human Nutrition (DIfE), Nuthetal, Germany & Evert van Schothorst, Wageningen Univ, The Netherlands*

8:40. Peripheral Blood Cells as source of biomarkers  
*Paula Oliver & Catalina Pico, University of the Balearic Island (UIB) and CIBERobn, Spain*

9:00. Reading the patterns of endogenous damage to the proteins as new biomarkers  
*Paul Thornalley & Naila Rabani, Warwick Medical School and Systems Biology Centre, University of Warwick (UWA), Coventry, UK*

9:20. The carnitine family as biomarkers of metabolic health in the intervention studies using omega 3 and TZDs  
*Jan Kopecky, Institute of Physiology, Academy of Sciences of the Czech Republic (ASCR), Prague, Czech Republic*

9:40. The challenge of validating biomarkers in humans: the BIOCLAIMS approach  
*Brigitte Winklhofer-Roob & Johannes Roob, Human Nutrition & Metabolism Research and Training Center, Institute of Molecular Biosciences, Karl Franzens University of Graz (UNIGraz) & Division of Clinical Nephrology, Department of Internal Medicine, Medical University of Graz (MUG), Graz, Austria.*

10:00. Biomarkers of Inflammation.  
*Philip C. Calder, Institute of Human Nutrition, School of Medicine, University of Southampton (USoton), UK.*