

Guest lecture

Oxidized biomolecules: biological effects and biomarkers



2 March 2015

11.00 AM in BMB seminar room

Corrinne M. Spickett, PhD

School of Life & Health Sciences

Aston University, UK

Biosketch:

Corinne Spickett is a Reader at Aston University. Her research interest is in the field of oxidative stress. Oxidants are formed in many metabolic and environmental processes. They are also released by phagocytes during early immune defence against pathogens, but in severe inflammation may result in host tissue damage and pathology. Corinne Spickett is interested in various aspects of oxidant metabolism, from mechanisms of cell killing by oxidants and cell antioxidant defence to the role of immune cell-derived oxidants in disease and immunomodulatory effects of oxidised macromolecules. Much of her research relates to cardiovascular disease and atherosclerosis, conditions where oxidative stress is clearly implicated in the pathology of the disease, through the increased cellular uptake of oxidized low density lipoprotein. One of the major techniques used in her research is electrospray mass spectrometry, which she applies to the analysis of phospholipid and protein oxidation.

Host: Adelina Rogowska-Wrzesinska, Department of Biochemistry and Molecular Biology, SDU