



SEMINAR

SUPERFUND RESEARCH PROGRAM

PCBs, Nutrition and Endothelial Cell Function: Implications in Atherosclerosis

Presented by

Dr. Bernhard Hennig

Professor of Nutrition and Toxicology
Editor-in-Chief, Journal of Nutritional
Biochemistry

Director, UK Superfund Research Program
University of Kentucky

Dr. Hennig's presentation will focus on research related to the University of Kentucky Superfund Research Program (UK-SRP), and in particular on studies within his own laboratory. Dr. Hennig and his research team are exploring the paradigm that nutrition can modulate environmental insults in the vasculature and thus modulate endothelial cell dysfunction induced by exposure to persistent organic pollutants such as PCBs. For example, nutrition can dictate the lipid milieu, oxidative stress, and antioxidant status within cells. The modulation of these parameters through diets may influence the effects of environmental pollutants to cause disease such as vascular dysfunction and atherosclerosis. The overall goal of the UK-SRP centers on the toxicology of Superfund chemicals, with chlorinated organics as model toxins, and how health effects of exposure can be modulated by both intrinsic and extrinsic factors, namely genetics and nutrition.

Dr. Hennig is currently the Director of the University of Kentucky SRP. He is a Professor of Nutrition and Toxicology, with a primary appointment in the College of Agriculture and secondary appointments in both the Graduate Center for Nutritional Sciences and the Graduate Center for Toxicology. He is also an Associate of the Center of Membrane Sciences and the Editor-in-Chief of the Journal of Nutritional Biochemistry.

Light refreshments served.

**FRIDAY, FEBRUARY 5, 2010
12:00 PM**

**BARUS & HOLLEY
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