SYNOPSIS:

The 58th Benzon Symposium will cover adipose tissue biology from adipocyte development, over the regulation of adipocyte metabolism and function by external and internal signals, to the impact of the adipose tissue on whole body physiology. All sessions will have a strong focus on molecular understanding of the processes but will at the same time touch upon the physiological and medical implications.

APPLICATION FOR PARTICIPATION:

Participants are selected primarily on the basis of abstracts submitted using the Abstract Form.

From 1st of February 2012 abstracts should be submitted online via this website April 1st 2012.

Approved abstracts will be presented as posters and/or as oral presentations. Around May 1st, 2012 you will be informed about acceptance and type of presentation.
Scientists whose abstracts have been accepted will receive a registration form (incl. hotel reservation). Deadline for return of the registration form together with the registration fee is June1st, 2012.

Application for participants without a poster presentation may be submitted by May 1st, but will only be considered after August 1st, 2012 on a first come, first served basis.

The registration fee (including hotel accommodation and food) will be DKK 4500 (about EUR 604 and USD 812).

TENTATIVE PROGRAM AUG 27, 2012

OPENING LECTURE:
Lane, M. Daniel: Adipocyte Development and its Consequences

TRANSCRIPTIONAL AND EPIGENETIC MODULATORS OF ADIPOGENESIS:
Lazar, Mitchell A.: A System Approach to Nuclear Receptors and Adipose Biology
Kalkhoven, Eric: PPARgamma Function in Lipodystrophy
Mandrup, Susanne: Transcriptional Networks and Chromatin Remodeling Controlling Adipogenesis
Rosen, Evan: Epigenomic Analysis of Adipose Biology and Metabolism
Tontonoz, Peter: Transcriptional Regulation of Adipogenesis

TENTATIVE PROGRAM AUG 28, 2012

SIGNALING PATHWAYS IN ADIPOCYTE DEVELOPMENT:
***Spiegelman, Bruce M.*:** PPARgamma and Anti - Diabetes Therapeutics: a New Look at an Old Friend
Sul, Hei Sook: Regulation of Adipose Development and Lipid Metabolism
MacDougald, Ormond A.: Roles for Wnt Signaling in Adipocyte Differentiation and Metabolism

ADIPOCYTE METABOLISM:
Zechner, Rudolf: Lipolysis in Health and Disease
Bernlohr, David A.: Inflammation, Oxidative Stress and Mitochondrial Dysfunction
Langin, Dominique: Metabolism and Inflammation in Adipose Tissue

TENTATIVE PROGRAM AUG 29, 2012

BROWN ADIPOCYTE DEVELOPMENT AND FUNCTION:

Cannon, Barbara: The Physiological Significance of Brown Adipose Tissue
Enerbäck, Sven: Brown Adipose Tissue of Mice and Man
Cinti, Saverio: Plasticity of Brown Adipocytes in Human Adipose Organ
Seale, Patrick: Transcriptional Control of Brown and Beige Adipocyte Development
van Marken Lichtenbelt, Wouter D.: Human Brown Adipose Tissue in Health and Disease
Kozak, Leslie P.: The Role of the Early Post-Natal Environment on the Development of Brown Adipocytes in White Fat Depots

TENTATIVE PROGRAM AUG 30, 2012

ADIPOCYTE CROSS-TALK WITH OTHER CELLS:
Scherer, Philip E.: Adipokine-Mediated Effects in Metabolism and Cancer
Czech, Michael P.: Adipose Dysfunction Linking Obisity to Diabetes
Clément, Karine: Pathological Alterations of Adipose Tissue; Lessons from Human Studies
Vidal-Puig, Antonio: Adipose Tissue Expandability, Lipotoxicity and the Metabolic Syndrome
Graff, Jonathan: Wnt Signaling Controls an Adipose-Muscle Endocrine Axis
Kristiansen, Karsten: Dietary modulation of the mouse gut microbiota and regulation of energy homeostasis