

January 21-22, 2010
Lakeside Auditorium
University of Aarhus, Denmark



Center for Healthy Aging
Danish Aging Research Center
Danish Center for Molecular Gerontology

Minisymposium on Mitochondrial Genome Dynamics and Aging

Mitochondria are organelles that serve as centres for cellular energy production, ion homeostasis, and apoptosis. During the aging process the mitochondrial function gradually declines, and damage accumulates in the mitochondrial DNA.

Mitochondrial DNA damage is potentially critical and may result in inefficient ATP production and increased release of reactive oxygen species. An elevated level of cellular oxidative stress is observed in tissues and cultured cells from elderly individuals. Recently, mitochondrial dysfunction has also been implicated in a variety of human age-associated diseases, including diabetes, cancer, and neurodegeneration. Thus, mitochondrial genome dynamics is an important player in the aging process, but the precise mechanisms involved still remain unclear. This minisymposium is focused on recent advances in understanding the mechanisms involved in mitochondrial genome dynamics and alterations associated with the aging process.

Organizers

Tinna Stevnsner
Lene Juel Rasmussen
Vilhelm A. Bohr

Confirmed speakers

Jan. 21st 2010, 10 am-5 pm

Vilhelm A. Bohr, USA
Alexander Bürkle, Germany
Henrik Rossing, Denmark
Niels-Göran Larsson, Germany
William Copeland, USA
Marit Otterlei, Norway
Bennett Van Houten, USA
Thomas von Zglinicki, UK
Lars Eide, Norway
Bjørn Quistorff, Denmark
Per Bo Jensen, Denmark

Jan. 22nd 2010, 9 am-3.30 pm

Albert Gjedde, Denmark
Ricardo Gredilla, Spain
Deborah Croteau, USA
Bernd Epe, Germany
Keshav Singh, USA
Claus Desler, Denmark
Peter Bross, Denmark
Peter Møller, Denmark
Niels Gregersen, Denmark
John Vissing, Denmark
Claudio Franceschi, Italy

From mid-December a detailed program will be available at: www.dcmg.dk/activities.html

Registration before January 8, 2010 by e-mail to: molgeron@mb.au.dk
(there is no registration fee)