

5th Danish Conference on Biotechnology and Molecular Biology

May 27 – 28, 2010

Hotel Munkebjerg, Vejle

Biofuels and Biorefineries

The use of biomass as raw material for energy and chemical production has received significant world wide attention during the last decade. Thus 183 states have signed and ratified the Kyoto Protocol to the United Nations Framework Convention on Climate Change, which establishes a legal binding commitment for the reduction of four greenhouse gases, namely carbon dioxide, methane, nitrous oxide and sulphur hexafluoride.

The present conference will focus on cutting edge research in the field of designing new enzymes and whole microorganisms for conversion of plant biomass and waste products to fuel and fine chemicals. The latest developments in second generation pilot and full scale production of bioethanol are presented, and finally, in the context of sustainability and resource management the perspectives for bioenergy and biorefineries will be discussed.

The scientific programme will include sessions on

- Biofuels: policies, perspectives and experience
- Second generation bioethanol production
- Biodiesel
- Biorefineries
- Discovery and design of microorganisms and enzymes for biorefineries and biofuel production

with presentations from

- Ghent Bioenergy Valley and University of Ghent by Professor Wim Soetaert
- Brazilian Sugarcane Industry Association (UNICA)
- Confederation of Danish Industry
- Inbicon / DONG
- Biogasol
- Novozymes A/S
- Danisco Genencor

The conference will include a poster session covering a broad range of topics on biotechnology as well as a commercial exhibition of equipment, consumables and services to Danish biotechnology. A detailed programme and registration information will be accessible in December 2009 at www.ida.dk/bio.

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