

ATV-MEETING



Organiser ATV's Scientific Group on chemistry, biological and geological sciences of the Danish Academy of Technical Sciences

Time Friday 20th March 2009, 14.00 – 17.00

Place H. Lundbeck A/S, Ottiliavej 9, 2500 Valby

Personalised Medicine: A Challenge for the Drug Development Industry

The meeting will address the current status of the new technologies and assays used to determine biomarkers in patients, and how these findings affect our understanding of current diagnosis.

The meeting will focus on the new challenges seen from the pharmaceutical industry as well as the diagnostics industry. It will discuss how research affects the strategies of the life science sector. Finally, the meeting will provide information about the most recent technologies and their future direction of development.

The diagnoses of the future will be based on much more measures than today. Molecular and biochemical findings as well as more precise visualisation of pathogenic processes in the organs, will add significant new information to help diagnose the patient. The same parameters will help establish the right treatment of the individual patient and subsequently those parameters will be monitored to determine whether the treatment is effective.

Since the human genome was sequenced, research has been focused on defining individual variability in the DNA sequence and how small differences in sequence correlate with treatment efficacy. Further, determination of biomarkers in blood and tissues will make it possible to correlate diagnosis with objective findings. The number of biomarkers is increasing exponentially and their impact on health-care will be significant. This meeting will address the current status of the novel technologies and assays used to determine biomarkers in patients, and how these findings affect our understanding of current diagnoses

These new technologies will also challenge the drug discovery and development industry significantly. Firstly, the current diagnosis will develop into more objective sub-categories of diseases, making the markets smaller. Secondly, the discovery process will be guided towards smaller indications and the measure of effect will be based on novel technologies. This will change the current strategy of many life science companies.

The meeting will address these new challenges seen from the large pharmaceutical industries as well as the diagnostics industry. It will discuss how this research will affect the strategies of the life science sector. Finally, the meeting will provide information about the most recent technologies and their future direction of development.

Programme

14.00 Welcome
Jens D. Mikkelsen, Scientific Director, NeuroSearch A/S (Chairman of ATV's Scientific Group)

Section I: Strategic Initiatives and Challenges for the Pharmaceutical Industry
Chairman Klaus P. Bøgesø, Vice President, H. Lundbeck A/S

14.00 Discovery and Development of Novel Personalised Treatments
Tom Metcalfe, Head of Personalised Portfolio, F. Hoffmann-La Roche

14.45 Molecular Diagnostics - the key driver in personalized medicine
Henrik Winther, R&D Director, ImmunoHistology, DAKO A/S

15.15 Coffee

Section II: Technology Developments and Prospects for Future Discoveries
Chairman Jørgen Drejer, Executive Vice President, NeuroSearch A/S

15.45 Genomic Screens and Gene Expression Profiles in Diagnostics
Finn Cilius Nielsen, Professor, Copenhagen University Hospital.

16.10 Pharmacogenomics
Ulrik Gether, Professor, University of Copenhagen.

16.35 Transcription Biomarkers to aid decision making in drug discovery and development. *Jennifer Larsen, PhD, H. Lundbeck A/S*

17.00 General discussion

17.15 Closing Remarks
Jens D. Mikkelsen, Scientific Director, NeuroSearch A/S (Chairman of ATV's Scientific Group)

Organising Committee: Klaus P Bøgesø (Vice President, H. Lundbeck A/S); Jens D. Mikkelsen (Head, NeuroSearch A/S); Thomas Bjørnholm (Professor, University of Copenhagen), Birgitte Neergaard (Project manager, ATV)

Registration

Written registration is necessary. Register [here](#).

Deadline for registration is 6th March 2009.

Upon registration you will receive an invoice by e-mail to be paid before the meeting.

The meeting is open to all interested parties. Please feel free to distribute this invitation to colleagues, etc. ATV wishes to thank H. Lundbeck A/S for providing meeting facilities and coffee which makes it possible to offer this arrangement at a low participation fee.

Participation fee

Participants: DKK 700

Academy members: DKK 300

Graduate students: DKK 150

Undergraduate students: free (registration necessary)

All prices are inclusive of 25% VAT

For further information please contact:

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