

Danish Society for Biochemistry and Molecular Biology

# Blood and Biomarkers

Tuesday April 20, 2010: 09.30 – 15.50

The Utzon Center, Aalborg

The blood system is one of the largest organs in the human body and it is of vital importance to the organism's maintenance and survival. A number of vital tasks are performed by the blood system, including functioning as the main transport system supplying nutrients and oxygen to all tissues and organs, removing waste products and CO<sub>2</sub>, and carrying signals. The circulation also carries the molecular and cellular sensors and effectors of our defense systems against intruding parasites and pathogens. The coagulation system, a build-in self-sealing cascade of cells, enzymes, and clot forming proteins, maintains haemostasis in response to blood vessel injury. Finally, blood is also the access point for a wealth of diagnostic testing and the potential in this area is far from being fully exploited. This one day symposium will explore some of the recent advances within a range of research topics based on blood plasma and biomarkers.

## Program

- 8.30 – 9.30 Registration and coffee/bread roll
- 9.30 – 9.40 Introduction- Michael T. Overgaard
- 9.40 – 10.20 Cheryl A. Conover, Mayo Clinic, Rochester, MN, USA: PAPP-A, a new marker for Acute Coronary Syndrome
- 10.20 – 10.45 Michael T. Overgaard, Aalborg University : New plasma proteases
- 10.45 – 11.10 Søren Risom Kristensen, Aalborg Sygehus Syd: Venous thromboembolism - life style factors and genetic susceptibility
- 11.10 – 11.35 Ole Frøbert, Örebro University Hospital, Sweden: The Scandinavian brown bear as a biological model for human physiology and disease
- 11.35 – 13.00 Lunch and exhibition
- 13.00 – 13.30 Ole Hvilsted Olsen, Novo Nordisk: Design of super active variants of coagulation factor VIIa
- 13.30 – 13.55 Mette S. Andersen, Aalborg University: A novel specific Factor X inhibitor from potato tuber juice
- 13.55 – 14.25 Coffee and exhibition
- 14.25 – 14.50 Hans E. Johnsen, Aalborg Sygehus Syd: Biomarkers in haematology - from bench to the clinic
- 14.50 – 15.15 Lotte Hatting Pugholm, Aalborg Sygehus Nord: Functional analyses of immune cells in peripheral blood
- 15.15 – 15.45 Gregers R. Andersen, University of Aarhus: Staphylococcus aureus complement evasion by IgA mediated steric hindrance of the convertase

**Organizers:** Michael T. Overgaard and Karen G. Welinder, University of Aalborg

**Registration:** Free registration online: [www.biokemi.org](http://www.biokemi.org). Everybody is welcome. Registration is required.

## Secretariat and vendor contact

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