Chalmers Graduate School in Bioscience and Chalmers Biocenter

Welcomes you to a KEYNOTE LECTURE:

Principles for SNPs genotyping using microarrays

Professor Ann-Christine Syvänen
Molecular Medicine
Department of Medical Sciences
Uppsala University

2 February, 2007 10.00- 11.00
Lecture hall "Kollektorn", MC2 Building, Kemivägen 9, Chalmers
(For a map of Chalmers & lecture halls: http://www.chalmers.se/HyperText/Kartor.html)

Abstract
Understanding the relationship between genetic variation and biological function on a genomic scale is expected to provide fundamental new insights into the biology, evolution and pathophysiology of humans and other species. The hope that single nucleotide polymorphisms (SNPs) will allow genes that underlie complex disease to be identified, together with progress in identifying large sets of SNPs, are the driving forces behind intense efforts to establish the technology for large-scale analysis of SNPs. During the past two years, the development of genotyping methods with high multiplexing levels has been rapid. New microarray-based genotyping systems that allow detection of thousands of SNPs in each sample have emerged. In this seminar, principles and technology for the different approaches for SNP genotyping will be described. Future trends and clinically relevant examples will be presented.

Hosts: Sarunas Petronis, Dept. of Applied Physics, 031 772 3368
and Chalmers Biocenter, 031 772 8633

Prof Syvänen is responsible for the Uppsala node of the Wallenberg Consortium North SNP genotyping platform.

Link to Prof Ann-Christine Syvänen:
http://www.medsci.uu.se/molmed/index.htm

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Catharina Hiort, PhD
Co-ordinator CHALMERS BIOCENTER
Tel: +46-(0)31 772 8633
Cell: +46-(0)703 08 8633
Email: catharina.hiort@chalmers.se, www.chalmers.se/biocenter