



The Swedish
National
Biobank Program



UPPSALA
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AKADEMISKA
SJUKHUSET

invitation to a workshop on

Biobanking in the 21st century

January 18-20, 2006
at the Rudbeck Laboratory
Department of Genetics and Pathology
University Hospital, Uppsala

A wide range of topics related to biobanking will be covered during this meeting - population based research biobanks, clinical biobanks, registries, cutting edge research technology, legislation and ethics.

The meeting is fee-free

More information at www.biobanks.se (click on link to courses)

Organizer: Johan.Botling@akademiska.se

Registration: Monica.Isaksson@akademiska.se

Sponsored by:



"Biobanking in the 21st century" is the third meeting arranged by the Swedish National Biobank Program. The previous courses were "Opening a Swedish Goldmine" in Stockholm 2004 and "Molecular and Genetic Epidemiology" in Malmö 2005.

Biobanks are crucial for the health care system, medical academic research and the biotech industry. They represent very diverse collections of human biological material. Some biobanks contain minute amounts of a few rare tissue samples representing a certain disease. Others contain blood and plasma from thousands of healthy subjects. From a research perspective it is important to know that different biobanks will have different advantages and disadvantages depending on the research goal you want to pursue. Many of the former obstacles pertaining to certain kinds of samples can now be overcome by novel molecular tools such as array technologies, in situ detection techniques, molecular imaging and amplification methods for DNA and RNA. Through the use of biobank-, clinical-, and research registries a lot of information can be collected regarding an individual sample or patient. Ethical and legal considerations are thus important to maintain public trust and support for biobank related research.

Many of these aspects of biobanking will be covered during the meeting - population based research biobanks, clinical biobanks, registries, novel technology (proteomics, genomics, expression profiling, peptidomics), legislation and ethics.

Preliminary Program

Wednesday January 18

11.00-12.30 Registration and Lunch

12.30 Welcome and Meeting Information

12.45-13.00 Introductory Lecture

13.00-

Joakim Dillner
Medical Microbiology, Malmö

*The Swedish National Biobank Program –
Swedish biobank organization and infrastructure*

Population based research biobanks:

Göran Hallmans
Medical Biobank, Umeå

*The most important discoveries
based on the Medical Biobank*

Gunnel Tybring
KI Biobank, Stockholm

Pending

Göran Berglund
Malmö Preventive Medicine/
Diet and Cancer Biobank

*Use of research biobanks for gene-environmental
interaction studies*

Ulf de Faire
KI, Stockholm

The Swedish Twin Registry

DINNER

Thursday January 19

8.30 – 12.30

Cutting edge technology for analysis of biobank samples

Fredrik Pontén Human Proteome Resource, Uppsala	<i>A human protein atlas</i>
Ulf Landegren Molecular Tools, Uppsala	<i>Novel molecular tools for research and diagnostics</i>
Per Andrén Biological and Medical Mass Spectrometry, Uppsala	<i>Proteomic approaches using imaging MALDI MS and peptidomics</i>
Rolf Ohlsson Physiology and Developmental Biology, Uppsala	<i>Epigenomic profiling: A new perspective of diagnosis that will require a reappraisal of current biobanking protocols</i>

Registries – part 1

Anders Ekborn KI, Stockholm	<i>The Swedish Multigeneration Registry - how to use it!</i>
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LUNCH

13.30 –

Clinical biobanks / Sample quality

Göran Landberg/Karin Jirström National Tissue Micro Array Center Malmö	<i>Tissue microarrays in breast cancer research</i>
Monica Nistér CCK, KI, Stockholm	<i>Tumor tissue biobanking</i>
Johan Botling Pathology, Uppsala	<i>Fresh-frozen tissue biobanking</i>
Patrick Micke Pathology, Uppsala	<i>RNA quality in fresh frozen tissue and gene expression profiling in tumor stroma</i>
Christer Eriksson CCK, KI, Stockholm	<i>Brain tumour and blood plasma handling for proteomics</i>
Joyce Carlsson Clinical Chemistry, Malmö	<i>Usefulness of different sample types for DNA extraction and genetic epidemiology</i>

DINNER

Friday January 20

8.30 – 12.30

Ethics and legislation

Gert Helgesson Bioethics, Uppsala	<i>Informed consent procedures in international biobank research and the use of broad consent</i>
Mats G. Hansson Bioethics, Uppsala	<i>The Swedish biobank legislation</i>

Registries – part 2

Pending	<i>Overview of Swedish registry infrastructure</i>
Pending	<i>The Regional Biobank Registries</i>
Johan Botling Pathology, Uppsala	<i>Concluding remarks</i>

REGISTRATION

Fill in **registration form** - attached as a Word document (or request one by e-mail)

E-mail to Monica Isaksson at

Monica.Isaksson@akademiska.se

Tel: +46 18 611 38 67

Please register by December 22, 2005

No course fee is charged

A list of **hotels** in Uppsala - see registration form.

Travel: Railway station -see map below. Arlanda airport is about 30 min away - bus and train shuttles available.

ORGANIZER

For information or questions about this meeting, contact

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