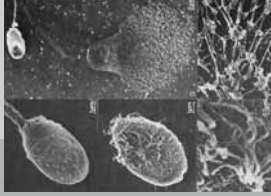


Welcome to
Sperm DNA: organization, protection and vulnerability
from basic science to clinical application



Stockholm, May 21-22, 2009
Centre for Andrology and Sexual Medicine, Department of Medicine, Huddinge



Sperm DNA: organization, protection and vulnerability
from basic science to clinical application

Scientific Committee

Lars Björndahl (S), chairman
Chris Barratt (UK)
Ulrik Kvist (S)
Sheena Lewis (UK)
Sally Perreault Darney (USA)
Bernard Robaire (CAN)

ESHRE Central Office, Brussels

Heidi Roijemans
Hanna Hanssen
Veerle de Rijbel

Local Organizing Committee:

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Emelie Ekwurtzel
Madelaine From Björk
Lina Fundell
Lars Johansson
Ulrik Kvist
Elin Norevik
Inger Söderlund
Jessica Tu
Alex Zakeri



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ESHRE – European Society of Human Reproduction and Embryology

Special Interest Group in Andrology

Roelof Menkveld, Co-ordinator
José Antonio Castilla, Deputy Co-ordinator
Sheena Lewis, Deputy Co-ordinator

Jessica Tu, Junior Deputy Co-ordinator
Cedomir Joksimovic, Junior Deputy Co-ordinator

Lars Björndahl, Past Co-ordinator



Welcome to Karolinska Institutet




- **Established December 13, 1810**
 - Need for more barber-surgeons for warfare!
 - Lack of warfare after 1814 -> increasing interest in science
- **Jöns Jacob Berzelius**
 - Professor in chemistry and pharmacy 1813-1832
 - Determined the atomic weights of the elements
 - Invented the chemical notation that is still in use
- **Nobel Prize – Physiology or Medicine**
 - First awarded in 1901 (December 10)



Welcome to Karolinska Institutet



- **Training**
 - Physicians
 - Dentists
 - Physiotherapists
 - Biomedical Lab Scientists
 - Psychologists
 - Biomedicine Scientists
 - and many other professions related Biomedicine and Health
- 3 578 employees, 316 professors
- > 2000 post graduate students
- **Karolinska University Hospital – Solna and Huddinge** 

International Campus Course:
Sperm DNA organization, protection and vulnerability –
from basic science to clinical application

Overall Mission

To integrate the current knowledge of the human sperm chromatin organization and protection of the genetic information:

- with clinical experience of sperm chromatin integrity tests for patients investigated and treated for fertility problems
- with findings in the field of reproductive toxicology including effects of cancer treatment

When is sperm DNA testing useful based on our current knowledge?

Faculty

- John Aitken (Australia)
- Chris Barratt (United Kingdom)
- Lars Björndahl (Sweden)
- Douglas Carrell (USA)
- Liliana Ramos(The Netherlands)
- Melissa Perry (USA)
- Ulrik Kvist (Sweden)
- Sheena Lewis (United Kingdom)*
- Sally Perreault Darney (USA)*
- Bernard Robaire (Canada)
- Steven Ward (USA)
- Armand Zini (Canada)

**Sperm DNA organization, protection and vulnerability –
*from basic science to clinical application***

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