

## Occupational Hazards and Reproductive Health

Quality Hotel The Mill, Malmö, Sweden

25-27.4.2023

### Tuesday, April 25<sup>th</sup> 2023: Setting the stage and reproductive outcomes

9.30-9.45	Course registration and coffee	
9.45-10.00	NIVA welcome and general information	Cecilia Weckman, NIVA
10.00-11.00	Introduction of lecturers and participants Scope and purpose of the course	Karin Sørig Hougaard, DK Lars Rylander, SE
11.00-11.30	<b>Group work 1: Reproductive health, mapping risks at work and in private</b>	Karin Sørig Hougaard, DK
11.30-12.30	Lunch	
12.30-13.15	<b>Infertility: epidemiology and occupational hazards</b>	Jens Peter Bonde, DK
13.15-14.00	<b>Introduction to pregnancy and perinatal outcomes</b>	Karin Källén, SE
14.00-14.15	Coffee	
14.15-14.45	<b>Introduction to individual risk assessment of pregnant women and their work environment</b>	Luisse Mølenberg Begtrup, DK
14.45-15.15	<b>Male mediated developmental effects</b>	Jens Peter Bonde, DK
15.15-15.30	Break	
15.30-17.15	<b>Occupational reproductive hazards, part I</b> Noise and whole body vibration Particulate air pollution Toxicological risk factors	Jenny Selander, SE Jenny Selander, SE Karl-Christian Nordby, NO
19.00 –	Dinner at the hotel	

### Wednesday, April 26<sup>th</sup> 2023: Epidemiological issues and reproductive hazards

9.00–9.15	Group discussion: Recapitulation of yesterdays' main points	Lars Rylander, SE
9.15–10.15	<b>Occupational reproductive hazards, part II</b> Work time/shift work Psychosocial strain	Paula Hammer, DK Karin Sørig Hougaard, DK
10-15-10.30	Coffee	

10.30-11.30	<b>Reading an epidemiological paper on occupation and reproduction</b>	Lars Rylander, SE
11.30-12.30	<i>Lunch</i>	
12.30-13.30	<b><u>Group exercise</u> on reading scientific, epidemiological papers on pregnancy and work</b>	Lars Rylander, DK Karl-Christian Nordby, NO Louise Møgelberg Begtrup, DK Jens Peter Bonde, DK
13.30-14.15	<b>Group work reports – reading epidemiological papers</b>	Lars Rylander, DK Karl-Christian Nordby, NO Louise Møgelberg Begtrup, DK Jens Peter Bonde, DK
14.15-14.30	<i>Coffee</i>	
14.30-15.00	<b>Occupational reproductive hazards, part III</b> Ergonomic risk factors: Prolonged Standing, Heavy Lifting, Strenuous Work	Jens Peter Bonde, DK
15.00-15.40	<b>Epigenetics, short introduction:</b> (What is it, examples, potential implications, intergenerational transfer) <b><u>Group discussion:</u></b> Epigenetic issues – how to regulate?	Karin Sørig Hougaard, DK
15.40-15.45	<i>Short break</i>	
15.45-16.30	<b>How to read animal experiments - and extrapolate to humans</b>	Karin Sørig Hougaard, DK
16.30-17.15	<b><u>Group exercise</u> on reading a scientific, animal study</b> (on anaesthetic gases), incl. group work reports	Karin Sørig Hougaard, DK
18.00 -	<i>Social program and dinner</i>	

### Thursday, April 27<sup>th</sup> 2023: Reproductive hazards contd. and regulation

9.00–9.15	Group discussion: Recapitulation of yesterday's main points	Lars Rylander, SE
9.15–10.00	<b>Searching for information on chemical reproductive toxicants</b> <b><u>Group exercise:</u></b> Searching for data	Karin Sørig Hougaard, DK
10.00-10.15	<i>Coffee</i>	

10.15-11.15	<b>(EU) Rules for pregnant and lactating women</b> <u>Group discussion:</u> How can we better protect fertility and pregnancy until the employer is notified by the pregnant woman? Should we have policies for parents to come?	<b>Karl-Christian Nordby, NO</b>  <b>(+Karin Sørig Hougaard, DK)</b>
11.15-11.30	<b>Adjustment of work during pregnancy – including sick and maternity leave</b>	<b>Luse Mølenberg Begtrup, DK</b>
11.30-12.30	<i>Lunch</i>	
12.30-13.00	<i>Contd.</i> <b>Adjustment of work during pregnancy – including sick and maternity leave</b>	<b>Luse Mølenberg Begtrup, DK</b>
13.00-13.15	<b>Infectious diseases and pregnancy, Covid-19 as an example</b>	<b>Luse Mølenberg Begtrup, DK</b>
13.15-13.45	<b>Handling of pregnant workers at a large, chemical production and research plant</b>	<b>Søren Thor Larsen, Haldor Topsøe, DK</b>
13.45-14.30	<b>Group exercise with coffee:</b> How to handle a complex work environment – discussion of different cases	<b>Luse Mølenberg Begtrup, DK</b> <b>Lars Rylander, DK</b> <b>Karl-Cristian Nordby, NO</b> <b>Karin Sørig Hougaard, DK</b>
14.30-15.00	Closing of the course	<b>Karin Sørig Hougaard, DK</b> <b>Lars Rylander, SE</b> <b>Cecilia Weckman, NIVA</b>