

**Department of Occupational and Environmental Medicine
Bispebjerg – Frederiksberg University Hospital Copenhagen
Denmark**

We carry out research on consequences for health related to occupational and environmental exposure. In ReproUnion our focus is on reproductive health.

Our research addresses maternal exposures as well as exposures in early life. In addition, we are interested in environmental and occupational exposures and effects on reproductive outcomes.

We are an **epidemiological research unit** and major methods include:

1. Advanced biostatistics and epidemiological research
2. Registry linkages
3. Statistics Denmark
4. Proper conduct on epidemiological research
5. Recruitment of persons for population studies
6. Correct ethical conduct in human studies
7. Development of a national job exposure matrix

Specific research areas related to reproduction and fertility include:

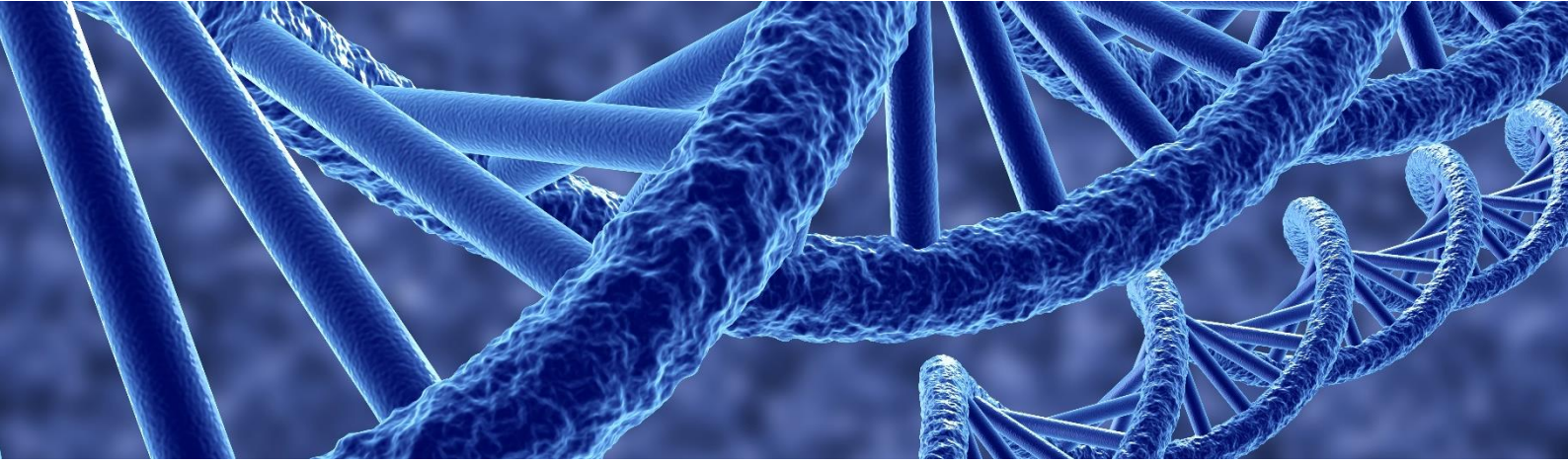
Epidemiological Population Research

1. Fetal programming of semen quality within the Danish National Birth Cohort
 - a) Fetal exposure to environmental toxicants including over the counter analgesics
 - b) Maternal obesity diet and smoking
 - c) Maternal life events and stress
2. Fetal programming of obesity within the Danish National Birth Cohort
 - a) Maternal obesity
 - b) Maternal paracetamol
3. Indoor environment and reproduction (maternal exposure to indoor semi-volatile PCBs and semen quality)

Epidemiological Register based Research

4. Infertility as a precursor for morbidity / mortality





Occupational Epidemiology

5. Occupational exposure to toxicants and pregnancy outcomes
6. Stress and fertility
7. Shift work and reproduction

