



**Laboratory of Reproductive Biology  
Rigshospitalet  
Copenhagen University Hospital  
Denmark**

**Clinical/Laboratory skills (patient management)**

- Cryopreservation and transplantation of ovarian tissue
- Cryopreservation of testicular tissue

**Research**

Ovarian endocrinology; Cryobiology; Sex Differentiation and human foetal gonads; Foetal exposure to environmental toxicants, Human embryonic Stem cells; Molecular Genetic Reproductive Research; Molecular Reproductive Research.

- Characterization of human small antral follicles and granulosa cells obtained from human small antral follicles
- Culture of human immature granulosa cells
- Isolation and culture of human preantral follicles
- IVM of human oocytes
- Isolation and culture of human spermatogonial stem cells
- Human foetal tissues and gonads; exposure to environmental pollutants
- Genetic polymorphisms of FSHR, LHR and PAPP-A
- Human embryonic stem cells: culture and differentiation protocols
- *In vitro* studies of sex steroid and gonadotropin receptors
- New concepts for ovarian stimulation, ovulation induction and individualized luteal phase support
- Immunohistochemistry of ovarian and testicular tissue
- Q-RT-PCR
- Confocal microscopy
- Measurement of ovarian hormones