

Simone E. Hildorf

Tissue Expansion for rare urogenital malformations

Short Bio	Simone is a PhD fellow at the Department of Paediatric Surgery at Copenhagen University Hospital Rigshospitalet carrying out the project "Optimizing treatment of cryptorchidism by testicular tissue cryopreservation including identification of different germ cells." Her core research is focused on obtaining a better understanding of the postnatal germ cell development using digital pathology and to investigate the need for supplementary treatment for boys with cryptorchidism. In addition, Simone and colleagues are exploring the possibility for in vitro germ cell expansion for later fertility preservation prospects.
Home Institution	Department of Paediatric Surgery, Surgical Clinic C, Copenhagen University Hospital Rigshospitalet, Copenhagen, Denmark
Host Institution	Department of Paediatric Surgery, Department of Women's and Children's Health, Karolinska Institute, Stockholm, Sweden
Project description	In the fall of 2020, she will visit the Karolinska Institute in Stockholm to work on the joint research project "Tissue expansion for rare urogenital malformation" in the framework of the WP 17' ERN RD training and support programme of the EJP-RD programme. The aim of the project is to learn and develop methods for in vivo and in vitro tissue expansion for surgical treatment of severe tissue defects.
Personal statement	Extended thesis project or postdoc project. Possibility to supervise future students. Gain personal visibility, have the opportunity to work in a different research environment and learn new laboratory techniques regarding tissue expansion.