

HM Picton Short Biography

Building on a my research background in ovarian physiology and the use of large animal models for human reproduction, my current research programme at the School of Medicine, University of Leeds, and working in conjunction with the Leeds Centre For Reproductive Medicine, in the Leeds Teaching Hospitals NHS Trust has focused on investigating different aspects of the cellular and molecular biology of human oogenesis, folliculogenesis and embryogenesis. This research has helped to shed light on how human oocytes and embryos grow and develop in health, how they are compromised during human infertility, and how they can be manipulated during the development of new infertility treatments. On combination with advances in cryobiology and reproductive technology my work has also contributed to the development of strategies to preserve female fertility and to support the *in vitro* growth and maturation of oocytes.