

# PhD Position

Dipartimento di Sanita' Pubblica e Biologia Cellulare, cattedra di Anatomia Umana,  
University of Rome Tor Vergata

**“Role of paracrine factors and molecular mechanisms involved in the control of human spermatogenesis and sperm function”**

Among several factors which contribute to male fertility, a major role is played by the paracrine mechanisms that regulate germ cell differentiation in response to pituitary hormones, and by the action of mature sperm-specific molecules that are transferred into oocytes at the beginning of embryogenesis. This research project focuses on the role played by paracrine and endogenous factors in the local control of the earliest stages of human spermatogenesis, and on the role played by a human sperm factor involved in egg activation at fertilization. The final goal of these studies is the identification of new diagnostic markers and of potential therapeutic tools for pathologies of male fertility.

The PhD position is in the frame of the “Dottorato di ricerca in Biotecnologie Mediche e Medicina Traslazionale” of the University of Rome Tor Vergata, within the specific address “Scienze e Biotecnologie della Riproduzione e dello Sviluppo”.

The official public announcement (“bando 2011/12”) is available at the following link: <http://dottorati.uniroma2.it/>, in which instructions to apply for the PhD position can be found. Who might be interested can submit CV to or contact: Prof. Pellegrino Rossi ([pellegrino.rossi@med.uniroma2.it](mailto:pellegrino.rossi@med.uniroma2.it)) or Prof. Susanna Dolci ([dolci@uniroma2.it](mailto:dolci@uniroma2.it)).