

Postdoctoral researcher Follicle Biology Laboratory (FOBI), UZ Brussel, Free University of Brussels.

FOBI is seeking a dedicated postdoctoral researcher with a passion for applied science and with **solid molecular genetics/biology skills** and interest in developmental biology. The researcher will be working on a project focusing on

- 1) epigenetic susceptibility testing of the oocyte by using a mouse in vitro follicle bioassay
- 2) assessing the epigenetic safety of newly developed IVM systems in human
- 3) follow-up of IVM children: epigenetic analyses of cord blood, placenta and buccal swaps

The most important task will be to develop and implement challenging new molecular biology techniques in the field of epigenetics.

The project will be handled in team with a laboratory technician, a PhD student and under supervision of Prof. Ellen Anckaert.

Other desirable skills are the capacity to describe the research work in clear, well-written manuscripts (English), and to contribute in the supervision of other scientists.

This is a full time 24-months position, with prospects of renewal.

Please contact Ellen Anckaert ellen.anckaert@uzbrussel.be for more information.

Basic aims of the Follicle Biology Laboratory, led by Prof. Johan Smits are the design and validation of new culture systems for ovarian follicles and unripe egg cells to establish practical, applicable strategies for fertility clinics.

The core motivation of FOBI is:

- Fundamental research into in-vitro culture systems for ovarian follicles and egg cells
- Fundamental and pre-clinical research into in-vitro maturation of unripe egg cells from small antral follicles
- Clinical activities: 1) cryopreservation of gonadal tissue for female patients for preservation of fertility during cancer treatment 2) in vitro maturation (IVM) of oocytes from small follicles

For more information on FOBI; please visit <http://fobi.vub.ac.be/>