

Reproduction in Animal Models and in Humans (Ramot)

code: 12-2017-1098

Ruth Shalgi, T.A.U Tel Aviv University, Medicine-Sackler Faculty, Cell and Developmental Biology

Our research focuses on Reproductive Physiology in animal models and in humans.

The current research directions investigated in the laboratory are:

- The role of Fyn kinase, member of the Src family kinases, during meiosis and early events of oocyte activation, as well as in cancer cells (Figure-left panel).
- Fertility preservation - the signaling pathway leading to apoptosis in aging oocytes and in oocytes exposed to chemotherapeutic treatments and potential protectants (Figure -right panel).
- Regulation of angiogenesis in reproductive organs by Pigment epithelium derived factor (PEDF) and treatment of reproductive angiogenic-related pathologies.
- The role of Interleukin-1alpha in reproductive aging and in chemotherapy-induced exhaustion of ovarian follicular pool.

Various research methods are routinely used in the laboratory, ranging from in vivo animal studies and cells cultures to an array of protein methodologies such as western blotting, immunohistochemistry, molecular biology techniques as well as cellular and molecular imaging.

Contact Person: Prof. Ruth Shalgi

Position: PI

Faculty: Medicine

Contact details: 6526/8685 shalgi@tauex.tau.ac.il

Contact for more information:

Liat Hadad , VP BD, +972.54.5555061

Ramot at Tel Aviv University Ltd. P.O. Box 39296, Tel Aviv 61392 ISRAEL

Phone: +972-3-6406608

Fax: +972-3-6406675