

## Tentative Outline

### Special Thematic Issue for Current Stem Cell Research & Therapy

#### Stem Cell Targets to Ovary Regeneration

Guest Editors: Yang Yanzhou

#### Aims & Scope:

The severe infertility was caused by ovarian dysfunction, such as ovarian ageing, premature ovarian failure (POF) or primary ovarian insufficiency (POI). And several studies reported that the stem cells are extensively used for regenerative medicine, therefore, the transplantation of several kinds of stem cells were used to therapy for POF, but the accurate mechanisms are not fully elucidated. In addition, menopause is driven by an age-related decline in ovarian stem cell, and the transplantation of stem cell might be targets for delaying ovarian ageing, but the therapy of stem cell to ovarian ageing was in its infancy, and needed to be explored in further studies. In this special issue, we invite researchers in the field to submit original and review articles covering the following topics:

**Keywords:** Premature ovarian failure, ovarian ageing, stem cell, differentiation, transplantation.

#### Subtopics:

The subtopics to be covered within this issue are listed below:

- The methods and mechanism of stem cells differentiate into female germ cell;
- The mechanism of stem cell to prevent POF;
- The mechanism of stem cell to delay ovarian ageing.
- The application and the mechanism of female germ stem cells to delay ovarian ageing and prevent POF.
- The regulation mechanism of self-renew, proliferation, ageing and differentiation to female germ stem cells
- Identification and isolation of other ovarian stem cells, such as ovarian-derived mesenchymal-like stem cells (MSC), follicle stem cell (FSC).

#### Schedule:

- ✧ Manuscript submission deadline: 1st May, 2018
- ✧ Peer Review Due: 1st June, 2018
- ✧ Revision Due: 1st July 2018
- ✧ Announcement of acceptance by the Guest Editors: 15th July, 2018
- ✧ Final manuscripts due: 1st August 2018

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