

39th Annual Meeting of the Society for the Study of Reproduction

NEEDS ASSESSMENT AND COURSE DESCRIPTION

Biomedical researchers are advancing the frontiers of reproductive biology through the discovery of new approaches to regulation and manipulation of human and animal cells. The translation of knowledge of basic reproductive processes into the development of novel therapies for human reproductive disease requires that healthcare professionals continuously update their knowledge of human and animal reproduction. The Annual Meeting of the Society for the Study of Reproduction (SSR) brings basic and clinical researchers in reproductive biology and medicine together in a collegial atmosphere that enables them to exchange scientific information and further advance our understanding of reproduction and development.

The SSR Annual Meeting will provide basic scientists, clinical researchers and physicians in the area of reproductive medicine and biology with advanced training in cell signaling in reproductive organs, developmental biology and implantation of early embryos, and application of animal models to cloning and stem cell research. Lecturers will focus on the impact of nutrition and energy homeostasis on reproduction. Participants will learn how to optimize communication of their research findings to the scientific and lay communities.

LEARNING OBJECTIVES

At the conclusion of this activity, the participant should be able to:

1. Explain how reproductive processes are impacted by alterations in nutritional status, metabolism and energy balance.
2. Summarize recent advances in cloning and stem cell technology.
3. Compare and contrast molecular signaling pathways in cells of different reproductive organs.
4. Describe the cellular sequence of events in fertilization, embryonic development and blastocyst implantation.
5. Devise strategies for effective communication of new scientific discoveries.