

Animal Reproduction
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Superovulation. In vitro fertilization
Embryo sexing and freezing

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Regulation of follicular steroidogenesis in the cow
Pulsatile pattern of LH secretion during follicular maturation in
superovulating cow
Role of estradiol and the transforming growth factor (TGF) system in
dominant follicle selection and development

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Control of luteolysis; embryo-uterine interactions
for maintenance of pregnancy
Mechanisms of oocyte maturation

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Ovarian gene expression during follicular development
Control of oocyte maturation in the cow

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Regulation of granulosa cell differentiation, corpus luteum function
Steroidogenesis in the ovary interactions between embryo and uterus in
species with delayed implantation

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Role of dimeric inhibin in the ovary of ruminants
Improvement of ovulation rate in the superovulating cow
Regulation of the steroidogenesis in the ovary

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Sex determination
Paracrine factors in reproduction, folliculogenesis
Gene expression in gonads
Transgenic systems

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Molecular regulation of the prostaglandin synthesis during ovulation
Follicular steroidogenesis and its control in equine preovulatory follicles

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Mitochondrial DNA replication, segregation and
transmission patterns in mammals
Nuclear and cytoplasmic interactions in embryos
Mechanisms of oocyte maturation

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Post-partum reproductive function in the cow
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