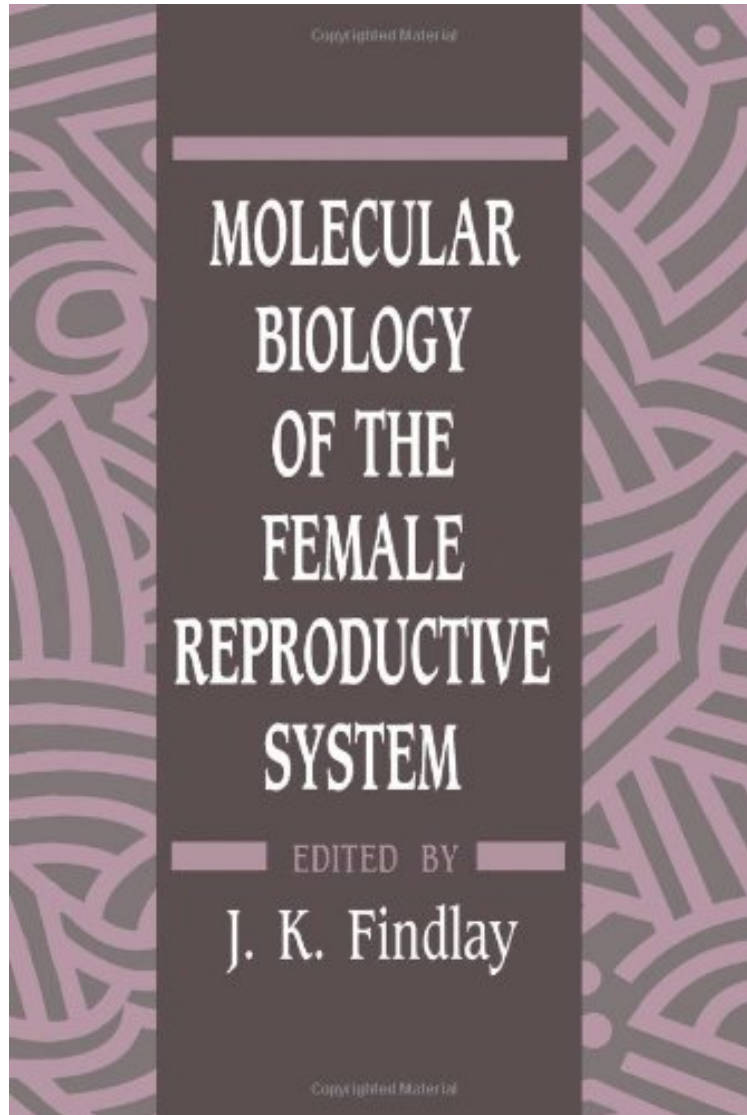


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New techniques in cellular and molecular biology have increased our understanding of the mechanisms controlling reproductive function in the female. Emphasizing these new techniques, Molecular Biology of the Female

Reproductive System provides a state-of-the-art review of local regulatory mechanisms that control reproductive processes. Stressing the interface of endocrinology, immunology, and cell biology, this book concentrates on the autocrine, paracrine, and endocrine systems that regulate both the functions of the ovary and uterus and the interaction between the early embryo and the mother. Key Features* Covers the mechanisms controlling reproductive function in the female* Offers a cellular and molecular approach to the control of reproductive function* Focuses on the ovary and uterus, and includes a discussion of the early embryo, including* Hormonal control of folliculogenesis and luteal function* Cell-cell interactions in the follicle* Role of cytokines in regulating steroid and protein hormone production* Endocrine receptors and mechanisms in ovulation* Cell biology of the oviduct and uterus* Migratory cells* Paracrine regulation* Hormones of the trophoctoderm and early placenta* Interaction between trophoctoderm and endometrium* Provides extensive references