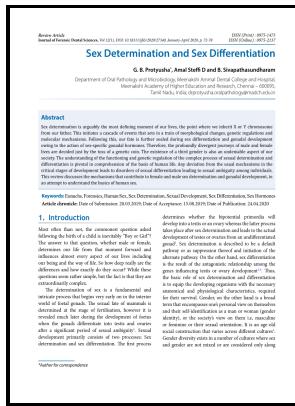


# Sex differentiation and development - proceedings

## University Press - Embryology, Sexual Development



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Women and literature -- Great Britain -- History -- 20th century.

Lehmann, Rosamond, 1901- -- Criticism and interpretation.

Sex (Biology) -- CongressesSex differentiation and development - proceedings

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### Sex Differentiation

Primitive germ cells proliferate by mitosis and develop onto oogonia. In the ovaries, it consists of follicle and ovarian cavity formation.

### DISORDERS OF SEX DEVELOPMENT

Sex differentiation in fish is highly dependent on steroid hormones, the androgens and estrogens. Studies of individuals with abnormal sexual development have provided insight into the differentiation of the gonads, the mechanisms by which the gonads dictate phenotypic sexual development, and the molecular processes by which gonadal hormones act within target cells.

### Sex determination and sex differentiation in Isospora (Toxoplasma) gondii

In the Nile tilapia, the function of FOXL2 has been investigated.

### Gonadal sex differentiation and development during early ontogenesis in the breeding kisslip cuttlefish (*Sepia lycidas*)

Giving testosterone to genetic females during the same developmental period when testosterone is secreted in males, masculinizes and defeminizes the genetic female, indicating that the phenotypic sex is largely independent of the genetic sex and is a function of the presence or absence of testosterone secretion. Sexual dimorphism in the gonad was first detected at around 28 DAS. The different development of oogonia, which are blocked at the diplotene stage, and spermatogonia, which enter into meiosis at puberty, has not been fully explained.

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