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Nota di contenuto	HISTOLOGICAL ANALYSIS OF ENDOCRINE DISRUPTIVE EFFECTS IN SMALL LABORATORY FISH; CONTENTS; Preface; Acknowledgments; Contributing Authors; 1 Introduction; References; 2 Fish Species of Interest; 2.1 Fathead Minnow (<i>Pimephales promelas</i>); 2.2 Medaka (<i>Oryzias latipes</i>); 2.3 Zebrafish (<i>Danio rerio</i>); 2.4 Other Fish Species; References; 3 Sexual Determination, Differentiation, and Gonadal Development; 3.1 Primordial Germ Cells in the Primordial (Primary) Gonad; 3.1.1 Differentiation and Number of PGCs; 3.1.2 Molecular Markers of PGCs; 3.2 Reproductive Strategies 3.3 Differentiation of the Primordial Gonad into Ovary or Testis 3.4 Gonadal Duct Formation; 3.5 Endocrinology: Influence on Gonadogenesis; 3.6 Critical Period of Sexual Differentiation in Developing Fish; 3.7 Bi-Potentiality of Germ Cells in Adult Fish; References; 4 Female Gonad Anatomy and Morphology; 4.1 Gonadogenesis: Ovary; 4.1.1 Location and Gross Organization; 4.1.2 Anatomy of the Ovary; 4.2 Hypothalamic-Pituitary-Ovarian Axis; 4.3 Cellular Structure of the Ovary; 4.3.1 Germ Cells (Oogenesis); 4.3.2

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6.2.2 Effects in Female Fish Associated with Exposure to Specific
Compounds or Compound Classes

Sommario/riassunto

Timely title assembling the combined knowledge of some of the leading authorities in the field of small fish reproduction - an important topic for risk assessment and registration of chemical, agricultural, and pharmaceutical compoundsProvides guidance on the microscopic structure of living tissue and evaluation of the reproductive glands of small laboratory fishIncludes state-of-the-art science along with sufficient anatomical and physiological background for understanding and interpreting test resultsHelps standardize the interpretation of results from aquatic bioassays a
