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Altri autori (Persone)	LauYun-Fai ChanWai-Yee
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Nota di contenuto	Foreword Owen M. Rennert; CONTENTS; Chapter 1 The roles of mouse Y chromosome genes in spermatogenesis Paul S. Burgoyne and Michael J. Mitchell; Chapter 2 Male meiotic sex chromosome inactivation and meiotic silencing James M. A. Turner and Paul S. Burgoyne; Chapter 3 Insights into SRY action from sex reversal mutations Melissa I. Stahle, Pascal Bernard, and Vincent R. Harley; Chapter 4 The TSPY gene family Yun-Fai Chris Lau, Tatsuo Kido, and Yunmin Li; Chapter 5 Structure and function of AZFa locus in human spermatogenesis Peter H. Vogt, Hans-Juergen Ditton, Christine Kamp, and Jutta Zimmer Chapter 6 RBMY and DAZ in spermatogenesis Pauline Yen Chapter 7 Neurotrophic factors in the development of the postnatal male germ line Marie-Claude Hofmann and Laura Braydich-Stolle; Chapter 8 Dickkopf-like 1-a protein unique to mammals that is associated both with formation of trophoblast stem cells and with spermatogenesis Matthew J. Kohn, Kotaro J. Kaneko, Rieko Y; Chapter 9 Antisense transcription in developing male germ cells Wai-Yee Chan, Shao-Ming Wu, Lisa Ruszczyk, Tin-Lap Lee, and Owen M. Rennert; Chapter 10 The

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Chapter 11 Transplantation of germ cells and testis tissue Ina Dobrinski
Chapter 12 Orthodox and unorthodox ways to initiate fertilization and development in mammals Ryuzo Yanagimachi; Chapter 13 Pathogenesis of testicular germ cell tumors Leendert H. J. Looijenga; Chapter 14 Origin of testicular germ cell neoplasia: the role of sex chromosomes Ewa Rajpert-De Meyts, Anne Marie Ottesen, Christina Hoei-Hansen, Si Brask Sonne, Henrik Leffers, and Niels E. Skakkebæk; Author Index; Index

Sommario/riassunto

The completion of the human genome and technological advances developed by the Human Genome Project have dramatically changed our understanding of the mechanisms underlying the development and differentiation of male germ cells, and our ability to investigate such mechanisms. This book is a timely document of advances made in the field of male gonad and germ cell research in the postgenomic era. The coverage includes the role of Y chromosome genes in male reproduction, gene expression in spermatogonial stem cells and male germ cells, and the regulation of germ cell genes in reproduction and in
