

CONTENTS

	Foreword	v
	<i>Owen M. Rennert</i>	
Chapter 1	The roles of mouse Y chromosome genes in spermatogenesis	1
	<i>Paul S. Burgoyne and Michael J. Mitchell</i>	
Chapter 2	Male meiotic sex chromosome inactivation and meiotic silencing	27
	<i>James M. A. Turner and Paul S. Burgoyne</i>	
Chapter 3	Insights into <i>SRY</i> action from sex reversal mutations	47
	<i>Melissa I. Stahle, Pascal Bernard, and Vincent R. Harley</i>	
Chapter 4	The <i>TSPY</i> gene family	73
	<i>Yun-Fai Chris Lau, Tatsuo Kido, and Yunmin Li</i>	
Chapter 5	Structure and function of AZFa locus in human spermatogenesis	91
	<i>Peter H. Vogt, Hans-Juergen Ditton, Christine Kamp, and Jutta Zimmer</i>	
Chapter 6	<i>RBMV</i> and <i>DAZ</i> in spermatogenesis	127
	<i>Pauline Yen</i>	
Chapter 7	Neurotrophic factors in the development of the postnatal male germ line	149
	<i>Marie-Claude Hofmann and Laura Braydich-Stolle</i>	

Chapter 8	Dickkopf-like 1 — a protein unique to mammals that is associated both with formation of trophoblast stem cells and with spermatogenesis	185
	<i>Matthew J. Kohn, Kotaro J. Kaneko, Rieko Yagi, Eveline S. Litscher, Paul M. Wassarman, and Melvin L. DePamphilis</i>	
Chapter 9	Antisense transcription in developing male germ cells.....	201
	<i>Wai-Yee Chan, Shao-Ming Wu, Lisa Rusczyk, Tin-Lap Lee, and Owen M. Rennert</i>	
Chapter 10	The spermatogonial stem cell model.....	221
	<i>Martin Dym and Zuping He</i>	
Chapter 11	Transplantation of germ cells and testis tissue.....	235
	<i>Ina Dobrinski</i>	
Chapter 12	Orthodox and unorthodox ways to initiate fertilization and development in mammals.....	255
	<i>Ryuzo Yanagimachi</i>	
Chapter 13	Pathogenesis of testicular germ cell tumors.....	263
	<i>Leendert H. J. Looijenga</i>	
Chapter 14	Origin of testicular germ cell neoplasia: the role of sex chromosomes	289
	<i>Ewa Rajpert-De Meyts, Anne Marie Ottesen, Christina Hoei-Hansen, Si Brask Sonne, Henrik Leffers, and Niels E. Skakkebaek</i>	
	Author Index.....	309
	Index.....	311