

# CONTENTS

---

	Preface .....	v
	Contributors .....	ix
Part I	<b>HYPOTHALAMUS/PITUITARY</b>	
	1 Transcriptional Control of the Development and Function of the Hypothalamic-Pituitary Axis .....	3
	<i>Gretchen E. Parker, Kyle W. Sloop, and Simon J. Rhodes</i>	
Part II	<b>GROWTH</b>	
	2 Molecular Mutations in the Human Growth Hormone Axis .....	43
	<i>Zvi Laron</i>	
	3 Normal and Abnormal Growth .....	77
	<i>Emily C. Walvoord and Erica A. Eugster</i>	
	4 Adult Growth Hormone Deficiency .....	105
	<i>Zehra Haider and James W. Edmondson</i>	
Part III	<b>THYROID</b>	
	5 Molecular Mechanisms of Thyroid Gland Development: <i>Insights from Clinical Studies and from Mutant Mice</i> .....	123
	<i>Guy Van Vliet</i>	
	6 Fetal-Perinatal Thyroid Physiology .....	135
	<i>Delbert A. Fisher</i>	
	7 Thyroid Disorders in Children and Adolescents .....	151
	<i>Scott A. Rivkees</i>	
Part IV	<b>CALCIUM AND BONE</b>	
	8 Genetic Control of Parathyroid Gland Development and Molecular Insights into Hypoparathyroidism .....	181
	<i>Michael A. Levine</i>	
	9 Bone Physiology .....	193
	<i>Salvatore Minisola and Lorraine A. Fitzpatrick</i>	
	10 Pediatric Bone Disease .....	217
	<i>Linda Anne DiMeglio</i>	
Part V	<b>GONADAL DEVELOPMENT</b>	
	11 Transcriptional Development of the Hypothalamic-Pituitary-Gonadal Axis .....	243
	<i>Sally Radovick, Helen H. Kim, Diane E. J. Stafford, Andrew Wolfe, and Marjorie Zakaria</i>	

---

12	Sexual Differentiation .....	261
	<i>Tamara S. Hannon and John S. Fuqua</i>	
13	Prenatal Androgens and Sexual Differentiation of Behavior .....	293
	<i>Sheri A. Berenbaum</i>	
14	Normal and Precocious Puberty .....	313
	<i>Joan DiMartino-Nardi</i>	
15	Delayed Puberty .....	331
	<i>Steven G. Waguespack and Ora Hirsch Pescovitz</i>	
Part VI	ADRENAL	
16	Molecular Development of the Hypothalamic-Pituitary-Adrenal (HPA) Axis .....	359
	<i>Sophia P. Tsakiri, George P. Chrousos, and Andrew N. Margioris</i>	
17	Molecular Genetics of Adrenal Disease .....	381
	<i>Perrin C. White</i>	
	Index .....	403