

Contents

Hormone-Dependent Chromatin Modifications Related to Sexually Differentiated Behaviors	1
Khatuna Gagnidze and Donald W. Pfaff	
Importance of Genomic Imprinting in the Evolution and Development of the Maternal Brain	21
Barry E. Keverne	
Genomic Imprinting in the Adult and Developing Brain	35
Catherine Dulac and Gregg Christopher	
The Synapse: Differences Between Men and Women	43
Javier DeFelipe and Lidia Alonso-Nanclares	
Gonadal Hormone Influences on Human Neurobehavioral Development: Outcomes and Mechanisms	59
Melissa Hines	
Congenital Adrenal Hyperplasia: Neuroendocrine, Behavioral and Cognitive Implications	71
Phyllis W. Speiser	
Genetic Variation Within Serotonin Genes, Hormones, and Aggression	81
Francesca Ducci, Laura Bevilacqua, Paola Landi, and David Goldman	
Multiple Origins of Sex Differences in Attention Deficit Hyperactivity Disorder	103
James M. Swanson, Kimberly D. Lakes, Tim L. Wigal, and Nora D. Volkow	
Fetal Testosterone in Mind: Implications for Autism	123
Bonnie Auyeung and Simon Baron-Cohen	

Sex Differences in HPA and HPG Axes Dysregulation in Major Depressive Disorder: The Role of Shared Brain Circuitry Between Hormones and Mood 139
Jill M. Goldstein, Laura M. Holsen, Robert Handa, and Stuart Tobet

Estrogens: Protective or Risk Factors in the Injured Brain? 165
Phyllis M. Wise, Candice M. Brown, and Jodi L. Downs

Index 179