

TABLE OF CONTENTS

1. Integrating Mechanisms and Functions to Understand Behavior 1
Lisa L. M. Welling and Todd K. Shackelford

Part 1 • Development and Survival

2. Hormones and Behavior: A Life History Perspective 13
Maren N. Vitousek and Laura A. Schoenle
3. Sex Differences in Primate Social Relationships During Development 27
Joyce F. Benenson
4. Sex Differences in Cognition: Evidence for the Organizational–Activational Hypothesis 43
Elizabeth Hampson
5. Involvement of the Sex Hormones in Learning and Memory 67
Kelsy S. J. Ervin and Elena Choleris
6. Endocrine Disruptors and Other Environmental Influences on Hormone Action 87
Laura N. Vandenberg

Part 2 • Reproductive Behavior

7. Investigating the Ovulatory Cycle: An Overview of Research and Methods 109
Lisa L. M. Welling and Robert P. Burriss
8. Reproductive Behavior in the Human Male 125
Stefan M. M. Goetz, Glenn Weisfeld, and Samuele Zilioli
9. Mate Preferences Across the Lifespan 143
Lynda G. Boothroyd and Jovana Vukovic
10. The Influence of Maternal Stress and Child Maltreatment on Offspring 161
LillyBelle K. Deer, Kristin Bernard, and Camelia E. Hostinar
11. Evolution and Human Fatherhood 179
Adam H. Boyette and Lee T. Gettler
12. Hormones, Sexual Orientation, and Gender Identity 201
Nicholas C. Neibergall, Alex J. Swanson, and Francisco J. Sánchez
13. Intersexual and Intrasexual Competition and Their Relation to Jealousy 215
Abraham P. Buunk, Karlijn Massar, Pieterneel Dijkstra, and Ana Maria Fernandez

14. Synthetic Hormones: The Influence of Hormonal Contraceptives and Hormone Replacement Therapy on Aspects of Women's Mating Psychology 237
Amanda C. Hahn and Kelly D. Cobey

Part 3 • Social and Affective Behavior

15. The Endocrinology of Social Relationships and Affiliation 259
Christine Anderl, Shimon Saphire-Bernstein, and Frances S. Chen
16. Hierarchy and Testosterone: How Can Testosterone Promote Upward Mobility in Status Hierarchies? 281
Shawn N. Geniole and Justin M. Carré
17. Competition, Dominance, and Social Hierarchy 295
Kathleen V. Casto and Pranjal H. Mehta
18. Oxytocin: An Evolutionary Framework 317
Nicholas M. Grebe and Steven W. Gangestad
19. Social Bond Paradoxes 335
Lynea R. Witczak, Trenton C. Simmons, and Karen L. Bales
20. Stress Hormones, Physiology, and Behavior 351
Justin K. Mogilski, Anna Wysocki, Simon D. Reeve, Virginia E. Mitchell, Jenna Lunge, and Lisa L. M. Welling
21. Hormones, Circadian Rhythms, and Mental Health 367
Yasmine-Marie Cissé, Jeremy C. Borniger, and Randy J. Nelson
22. Hormones and Major Depressive Disorder 381
Mark A. Ellenbogen, Virginia Tsekova, and Lisa Serravalle
23. Sex Differences in Anxiety Disorders 405
Teresa A. Piggott, Alexandra N. Duran, Isha Jalnapurkar, Tyler Kimm, Stephanie Linscheid, and Melissa K. Allen
24. Future Directions in Human Behavioral Endocrinology 433
Lisa L. M. Welling and Todd K. Shackelford

Name Index 443

Subject Index 446