



Vertebrate Endocrinology

David O. Norris



Fourth Edition



CONTENTS

<i>Preface</i>	viii
1. An Overview of Chemical Bioregulation in Vertebrates	1
2. Methods to Study Bioregulation	30
3. Synthesis, Metabolism, and Actions of Bioregulators	46
4. Organization of the Mammalian Hypothalamus-Pituitary Axes	106
5. The Hypothalamus-Pituitary System in Non-Mammalian Vertebrates	168
6. The Hypothalamus-Pituitary-Thyroid (HPT) Axis of Mammals	221
7. The Hypothalamus-Pituitary-Thyroid (HPT) Axis of Non-Mammalian Vertebrates	244
8. The Mammalian Adrenal Glands: Cortical and Chromaffin Cells	272
9. Comparative Aspects of Vertebrate Adrenals	298
10. The Endocrinology of Mammalian Reproduction	322
11. Comparative Aspects of Vertebrate Reproduction	371
12. Bioregulation of Feeding, Digestion, and Metabolism	427
13. Comparative Aspects of Feeding, Digestion, and Metabolism	470
14. Bioregulation of Calcium and Phosphate Homeostasis	486
<i>Appendix A. Abbreviations of Endocrine Terms</i>	512
<i>Appendix B. Vertebrate Tissue Types</i>	519
<i>Appendix C. Amino Acids and Their Symbols</i>	522
<i>Appendix D. Bioassays</i>	523
<i>Index</i>	531