TABLE OF CONTENTS

Haschek and Rousseaux's Handbook of Toxicologic Pathology, Volume 1: Principles and Practice of Toxicologic Pathology 4th Edition

- 4. Predictivity of Dog Toxicity Data to Humans
- 5. Comparative Toxicology of the Dog
- 6. Spontaneous Background Pathology in the Beagle (Refer to Woicke et al., 2021)
- 7. Use of the Dog as a Model of Human Diseases
- 8. Regulatory Considerations for Toxicity Studies
- 9. Ethics of Use of the Dog as a Laboratory Animal Species
- 10. Summary
- **Chapter 20. Animal Models in Toxicologic Research: Pig**
- 1. Introduction
- 2. Genetics of Pigs and Background for Their Use in Research
- 3. Use of Pigs in Toxicological Studies
- 4. Pigs as Organ Source for Xenotransplantation
- 5. Spontaneous Background Pathology in Swine
- 6. Use of the Pig as a Model System for Medical Devices and of Human Diseases
- 7. Regulatory Aspects
- 8. Ethics and Animal Welfare
- 9. Summary
- **Chapter 21. Animal Models in Toxicologic Research: Nonhuman Primate**
- 1. Introduction
- 2. History and Biological Characteristics of Nonhuman Primates
- 3. Selection of Nonhuman Primates for Toxicologic Research and Study Design Considerations
- 4. Predictivity of Nonhuman Primate Toxicity Data to Humans
- 5. Nonhuman Primate Models in Biomedical Research (see also (Abee, Mansfield, Tardif, & Morris, 2012)
- 6. Background Findings in Nonhuman Primates and Use of Historical Control Data
- 7. Conclusion
- **Chapter 22. Animal Models in Toxicologic Research: Nonmammalian**
- 1. Introduction

- 4. Challenges in Standardizing Nomenclature
- 5. Recommended Practices
- 6. Harmonization of Nomenclature
- 7. Conclusions
- **Chapter 26. Pathology Peer Review**
- 1. Introduction
- 2. Peer Review Timing and Pathology Raw Data
- 3. Peer Review Process
- 4. National Toxicology Program Review Process
- 5. Regulatory Aspects of Pathology Peer Review
- 6. Use of Digital/Whole-Slide Images in Pathology Peer Review
- 7. Conclusion
- **Chapter 27. Pathology and GLPs, Quality Control, and Quality Assurance**
- 1. Introduction
- 2. Overview of Good Laboratory Practice Standards
- 3. GLP and Pathology Data
- 4. Clinical Pathology Assessment in the GLP Environment
- 5. Ultrastructural Assessment in the GLP Environment
- 6. Noninvasive Imaging Applications in the GLP Environment
- 7. In the Spirit of GLP
- 8. GLP Criticism
- 9. Conclusions
- **Chapter 28. Practices to Optimize Generation, Interpretation, and Reporting of Pathology Data from Toxicity Studies**
- 1. Introduction
- 2. Practices that Prevent or Mitigate the Introduction of Pathology-Related Issues During Study Design and Protocol Preparation
- 3. Practices that Prevent or Mitigate the Introduction of Pathology-Related Issues Arising During the In-Life Phase
- 4. Practices that Prevent or Mitigate Issues Arising from Pathology Assessment and Reporting
- 5. Conclusions