Table of Contents

List of Figures / vii Preface / ix Quotations / xi

Chapter I: Lexicon of Nervous System Parts / 1

Foundational Model of Connectivity / 1
Macrolevel, Mesolevel, and Microlevel
of Analysis / 1
Goals and Scope of the Book / 2
Terms and Definitions / 4
Methodology / 5

Chapter 2: Historical Trends / 7

Pattern of Discovery in the Classical Era / 7
Standard Terms, Synonyms, and Partly
Corresponding Terms / 9
Methodological Innovations in the
Classical Era / 9
The Modern Era / 15
History of Terminology Analysis / 16

Chapter 3: Hierarchical Nomenclature Tables / 18

Chapter 4: Notes on Using the Lexicon / 22

Standard Terms (Main Entries) / 22 Nonstandard Terms (Subentries) / 22 Partly Corresponding Terms / 22 List of All Defined Terms / 22 Spelling / 22 Singular Versus Plural / 22 Terms Not in the Lexicon / 22 Eponyms / 22 Methods / 23 Etymology and Pronunciation / 23

Lexicon of Standard Terms / 24

Appendices: Systematic Parts Lists for Nervous System Ontology / 777

- 1. Basic parts list for adult nervous system in all animals (topographic divisions) / 779
- 2. Vertebrate nervous system development (topographic divisions) / 782
- 3. Human CNS gray matter regions (topographic gross anatomy grouping) / 783
- 4. Human CNS white matter tracts (topographic gross anatomy grouping) / 788
- 5. Human CNS surface features / 794
- 6. Human PNS ganglia (topographic gross anatomy groupings) / 797
- 7. Human PNS cranial nerves (topographic gross anatomy groupings) / 799
- 8. Human PNS spinal nerves (topographic gross anatomy groupings) / 804
- 9. Human PNS autonomic nerves (topographic gross anatomy groupings) / 810
- 10. Human nervous system supporting structures (ventricular-subarachnoid space, meninges, and choroid plexus) / 813

Bibliography / 815 List of All Defined Terms / 844 Index / 1053