

# TABLE OF CONTENTS

|  |     |
|--|-----|
| <b>EXECUTIVE SUMMARY</b>   | 1   |
| <b>INTRODUCTION</b>  | 13  |
| <b>TOPIC-SPECIFIC CHAPTERS</b>   |     |
| Research on the Basic Biology of the Digestive System  | 25  |
| Functional Gastrointestinal Disorders and Motility Disorders   | 51  |
| Infections of the Gastrointestinal Tract   | 69  |
| Cancers of the Digestive System  | 81  |
| Inflammatory Bowel Diseases  | 95  |
| Intestinal Failure and Regeneration, Nutritional Disorders and Support, Surgically Modified Gut, and Transplantation | 107 |
| Diseases of the Oropharynx and Esophagus   | 117 |
| Diseases of the Stomach and Small Intestine  | 129 |
| Diseases of the Colon and Rectum   | 145 |
| Diseases of the Pancreas   | 159 |
| Diseases of the Liver and Biliary System   | 169 |
| Bioengineering, Biotechnology, and Imaging   | 187 |
| <b>CONCLUSION: COMMON THEMES AND STEPS FOR IMPLEMENTATION</b>  | 195 |
| <b>APPENDICES</b>  |     |
| <i>Appendix 1: Summary List of Recommended Research Goals and Common Themes</i>                                      | 207 |
| <i>Appendix 2: Rosters of the National Commission on Digestive Diseases and Its Working Groups</i>                   | 214 |
| <i>Appendix 3: References for Statistical and Epidemiologic Data</i>   | 220 |
| <i>Appendix 4: Abbreviations and Acronyms</i>  | 221 |
| <b>INDEX</b>   | 226 |
| <b>ACKNOWLEDGEMENTS</b>  | 238 |