## **Table of Contents**

- Preface p. vii
- 1 BMET as a career p. 1
- 2 Patient safety p. 19
- 3 In the workplace p. 39
- 4 Electrodes, sensors, signals, and noise p. 53
- 5 The heart p. 69
- 6 Cardiac assist devices p. 87
- 7 Blood pressure p. 103
- 8 Respiration and respiratory therapy p. 113
- 9 The brain and its activity p. 127
- 10 The intensive care unit p. 139
- 11 The operating room p. 155
- 12 Imaging p. 177
- 13 Clinical laboratory equipment p. 193
- 14 Intravenous pumps and other pumps p. 205
- 15 Miscellaneous devices and topics p. 213
- Index p. 223