

Contents

1 Nitric Oxide: Biological Synthesis and Functions	1
Ulrich Förstermann and Huige Li	
2 The Role of Carbon Monoxide as a Gasotransmitter in Cardiovascular and Metabolic Regulation	37
Ashley A. Untereiner, Lingyun Wu and Rui Wang	
3 Physiological and Pathophysiological Functions of Hydrogen Sulfide	71
Hideo Kimura	
4 Methods for the Detection of Gasotransmitters	99
Hanjing Peng, Weixuan Chen and Binghe Wang	
5 Gasotransmitters in Regulation of Neuromuscular Transmission	139
Guzel F. Sitdikova and Andrey L. Zefirov	
6 Modulated by Gasotransmitters: BK Channels	163
Anton Hermann, Guzel F. Sitdikova and Thomas M. Weiger	
Index	203

Gasotransmitters: Physiology and Pathophysiology

Hermann, A.; Sitdikova, G.F.; Weiger, Th.M. (Eds.)

2012, X, 206 p., Hardcover

ISBN: 978-3-642-30337-1