
Contents

Preface.....	vii
Editor.....	ix
Contributors	xi
 Chapter 1 Intelligent Automation	1
<i>James M. Dixon</i>	
 Chapter 2 Neurally Inspired Algorithms as Computational Tools.....	13
<i>Mark Flynn and Garrett T. Kenyon</i>	
 Chapter 3 Using Pharmacodynamic Biomarkers to Accelerate Early Clinical Drug Development	41
<i>Ole Vesterqvist</i>	
 Chapter 4 Opportunities in CNS Drug Discovery and Development.....	55
<i>Albert Pinhasov, Anil H. Vaidya, Hong Xin, Daniel Horowitz, Daniel Rosenthal, Douglas E. Brenneman, Ewa Malatynska, Sergey E. Ilyin, and Carlos R. Plata-Salamán</i>	
 Chapter 5 Clinical Success of Antibody Therapeutics in Oncology	65
<i>Bernard J. Scallan, Linda A. Snyder, G. Mark Anderson, Qiming Chen, Li Yan, and Marian T. Nakada</i>	
 Chapter 6 Relating Target Sequence to Biological Function.....	91
<i>Greg M. Arndt</i>	
 Chapter 7 Use of Protein Microarrays for Molecular Network Analysis and Signal-Pathway Profiling	115
<i>Katherine R. Calvo, Lance A. Liotta, and Emanuel F. Petricoin</i>	
 Chapter 8 Laser-Microdissection-Based Transcriptomics Using Microarrays.....	131
<i>Fredrik Kamme, Bernd Meurers, Jessica Zhu, Da-Thao Tran, Jingxue Yu, Changlu Liu, Andrew Carmen, and Bingren Hu</i>	
 Index	141