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Biochips

Technology and Applications

With 50 Figures



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Preface

Biochips represent a revolutionary technology that will have significant impact on the science, and indeed life of the human beings in the twenty-first century. This book presents contributions from more than ten internationally renowned experts in the field of biochips. It covers topics such as microarray technology and its applications, microfluidics, drug discovery, detection technology, lab-on-chip technology and bioinformatics. The idea for publishing this book arose at the International Forum on Biochip Technologies 2000 (IFBT 2000) held in Beijing. This is the first international forum dedicated to the new scientific and technological developments in biochip technologies. More than 300 scientists in the area of biochip technologies attended the forum to communicate their latest research results and to discuss the development of biochip technology. After the forum, twelve outstanding experts attending the forum from both academia and industry were invited to prepare manuscripts for this book. Here the authors not only describe their latest research work, but also discuss the current trends in biochip technology. We believe that both researchers in the field of life sciences and professionals in the field of biochips will benefit from this book.

February, 2003

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