



DNA Nanotechnology

By Chunhai Fan

Springer-Verlag GmbH Mrz 2013, 2013. Buch. Book Condition: Neu. 244x168x22 mm. Neuware - DNA nanotechnology: From structure to function presents an overview of various facets of DNA nanotechnology, with a particular focus on their promising applications. This book is composed of three parts. Part I, Elements of DNA Nanotechnology, provides extensive basic information on DNA nanotechnology. Part II, Static and Dynamic DNA Nanotechnology, describes the design and fabrication of static and dynamic DNA nanostructures. Recent advances in DNA origami, DNA walkers and DNA nanodevices are all covered in this part. Part III, Applications of DNA Nanotechnology, introduces a variety of applications of DNA nanotechnology, including biosensing, computation, drug delivery, etc. Together these provide a comprehensive overview of this emerging area and its broad impact on biological and medical sciences. This book is intended for post-graduates, post-doctoral researchers and research scientists who are interested in expanding their knowledge of DNA nanotechnology. It provides readers an impression of the latest developments in this exciting field. 362 pp. Englisch.

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