

1. Record Nr.	UNINA9910298622003321
Titolo	Aptamers Selected by Cell-SELEX for Theranostics // edited by Weihong Tan, Xiaohong Fang
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2015
ISBN	3-662-46226-5
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (352 p.)
Disciplina	547.79
Soggetti	Biotechnology Molecular biology Cancer - Research Nucleic acids Molecular Medicine Cancer Research Nucleic Acid Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	From the Contents: Introduction to Aptamer and Cell-SELEX -- Cell-SELEX Based Selection of Aptamer for Cancer Cells -- Cell-SELEX Based Selection of Aptamer for Other Intact Systems.
Sommario/riassunto	This edited volume describes cell-SELEX as the fundamental tool used to generate aptamer molecules for a wide range of applications in molecular medicine, bioanalysis and chemical biology. Easily integrated into the natural heterogeneous cell matrix, aptamers can be effectively used in theranostics, bioanalysis, environment detection and biomedical studies. The book gathers reviews that reflect the latest advances in the field of aptamers, and consists in fourteen chapters demonstrating essential examples of these aptamers and aptamer-nanomaterial assemblies, depending on the types of applications and biological systems. It also includes a separate chapter on the utilization of aptamers in real clinics and what will be required to achieve this significant goal. The book will be both appealing and useful to a broad audience, including biologists, bioscientists, and clinicians whose

interests range from chemistry and biomedical engineering to cell and molecular biology and biotechnology. Weihong Tan is a Distinguished Professor of Chemistry and Biomedical Engineering at Hunan University, China and also a University of Florida Distinguished Professor and V.T. and Louis Jackson Professor of Chemistry at the University of Florida, USA. Xiaohong Fang is a Professor at the Institute of Chemistry, Chinese Academy of Sciences, China.

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