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Titolo	Zebrafish: A Model for Marine Peptide Based Drug Screening // by Saravanan Ramachandran, Senthilkumar Rajagopal
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ISBN	981-13-7844-4
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XI, 73 p. 39 illus., 29 illus. in color.)
Disciplina	615
Soggetti	Pharmacology Animal models in research Human physiology Cancer research Pharmacy Pharmacology/Toxicology Animal Models Human Physiology Cancer Research Drug Safety and Pharmacovigilance
Lingua di pubblicazione	Inglese
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Nota di contenuto	Chapter 1. Biomedical importance of marine peptides/toxins -- Chapter 2. Toxicity of peptides in Zebrafish embryos -- Chapter 3. Teratogenic activity of toxins in Zebrafish model -- Chapter 4. Anticancer properties marine peptides/toxins using Zebrafish model -- Chapter 5. Protective effect of marine peptides/toxins in CVD using Zebrafish model.
Sommario/riassunto	This book offers a comprehensive overview of toxicology, highlighting the significance of peptide-based toxins from marine environments. It discusses the principles of protein-carbohydrate and domain-domain interactions to increase our understanding of toxicology in zebrafish models, as well as drug interaction mechanisms and target definition in drug discovery. It also reviews the structure of marine peptides/toxins and the toxicology of peptide secreting cells and cells that respond to

these enzymes, and describes the normal and abnormal toxicology of marine peptides in zebrafish models. Offering insights into the field of proteomics, particularly current practice and research models for solving its many riddles, the book also explains the analytical principles of marine protein-protein and protein-carbohydrate interaction in the context of teratogenicity in target identification in peptide- based drug discovery. Lastly, the book methodically examines the preclinical research on marine proteins/peptides.
