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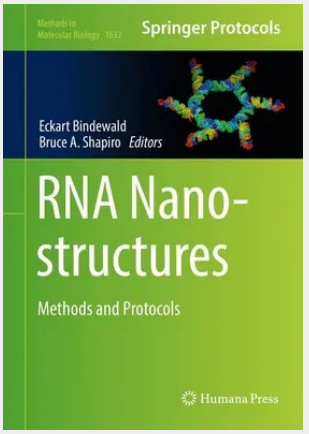
RNA Nanostructures

Methods and Protocols

This volume presents a collection of computational and experimental protocols pertaining to the creation, characterization, and utilization of RNA nanostructures. The chapters in this book cover topics such as ion effects in RNA folding; design and crystallography of self-assembling RNA nanostructures; x-aptamer selection and validation; RNAi in HIV-infected cells; and preparation of a conditional RNA switch. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls.

Cutting-edge and thorough, *RNA Nanostructures: Methods and Protocols* is a valuable resource for the design and production of RNA nanostructures. Researchers and scientists sharing these detailed protocols is important for sustained progress in the field.

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160,49 €
149,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781493971374
Medium: Buch
ISBN: 978-1-4939-7137-4
Verlag: Springer US
Erscheinungstermin: 21.07.2017
Sprache(n): Englisch
Auflage: 1. Auflage 2017
Serie: Methods in Molecular Biology
Produktform: Gebunden
Gewicht: 8928 g
Seiten: 383
Format (B x H): 183 x 260 mm