

Chimeric RNA

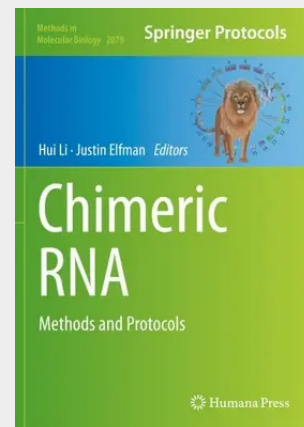
Methods and Protocols

This book provides numerous methods for identification, validation, and functional characterization of chimeric RNAs, herein described as any transcript which contains the nucleotide sequence of two distinct parental genes. Beginning with identification and characterization through bioinformatics tools, the book continues with experimental validation using RT-PCR, hybridization methods for RNA, and the use of mass spectrometry data for fusion protein validation, as well as functional and mechanistic studies of chimeric RNAs and translational applications. Written for the highly successful *Methods in Molecular Biology* series, 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.

Authoritative and practical, *Chimeric RNA: Methods and Protocols* is an ideal guide to this expansive field and an inspiration to researchers seeking to further our knowledge of these remarkable features of the transcriptome.

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117,69 €

109,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781493999064

Medium: Buch

ISBN: 978-1-4939-9906-4

Verlag: Springer US

Erscheinungstermin: 14.11.2020

Sprache(n): Englisch

Auflage: 1. Auflage 2020

Serie: Methods in Molecular Biology

Produktform: Kartoniert

Gewicht: 525 g

Seiten: 262

Format (B x H): 178 x 254 mm

