



Véronique Arluison, Frank Wien (Eds.)

RNA Spectroscopy

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RNA Spectroscopy

Methods and Protocols

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Preface

RNAs are ubiquitous molecules, acting at different levels of gene expression in the cell. Although significant progress has been made to understand their atomic resolution structure, analysis of their function requires in most cases the contribution of various proteins acting as co-factors. The discovery of novel RNA molecules and interaction networks provides new challenges for structural studies including, e.g., dynamic and single molecule investigations. This volume provides an introduction to different spectroscopic and biophysical methods to assess the structure and folding of RNAs and to follow their interaction with proteins. Each chapter explains how the technique works, how to set up these methods for nonexperts, and illustrates possibilities and limitations in each case. Selected examples of applications are presented.

Gif-sur-Yvette, France

*Véronique Arluison
Frank Wien*

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