

This all-in-one compendium of current laboratory techniques for the study of RNA brings together numerous novel methods that were hitherto only available through the primary literature. In more than 300 detailed protocols, all the techniques covered are treated with the user in mind, including practical advice and an invaluable "troubleshooting" section. The broad scope of the book allows the side-by-side treatment of specialized methods with basic biochemical techniques for the isolation, characterization and functional analysis of RNA including

- RNA synthesis, modification and ligation
- Sequence and structure determination of RNA
- Isolation and purification of ribonucleoproteins
- RNA crystallization
- RNA imaging and single molecule studies
- Modeling and prediction of RNA structure
- Aptamer libraries and SELEX technology
- RNA interference

A guide to successful experimentation for molecular biologists, biochemists and biotechnologists and for every researcher experimenting with RNA.



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