

Preface

In the first post-genomic decade, the ENCODE and FANTOM Consortia have revolutionized our understanding of the human non-protein-coding transcriptome, setting the stage for the next step: harnessing the power and promise of long non-coding RNA to improve the health of humanity through novel therapeutics. This volume attempts to capture a summary of the conceptual revolution that is taking long non-coding RNA from the emerging frontier into a diagnostic and therapeutic territory. The implications of this emerging paradigm portend an entirely new era of therapeutic potential whereby long non-coding RNAs can be harnessed or repressed to modulate gene expression, cellular states and disease.

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