BIOMOLECULAR CONCEPTS

DE GRUYTER

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COVER ILLUSTRATION
On the cover a schematic drawing of the antisense long non-coding RNA-directed epigenetic regulation of transcription in human cells is shown. Antisense non-coding RNAs can be expressed in Trans (A) or Cis (B). These RNAs can then interact with various protein components such as epigenetic regulatory complexes (C), Ezh2, DNMT3a, PRC2, and G9a. The antisense non-coding RNA/protein complex can then target epigenetic remodeling of the homology containing loci (D), resulting ultimately in compaction of the target loci (E) and epigenetic silencing. For further information see the article by Vadaie and Morris on pp. 411–415 in this issue.

Contents

Reviews

Short Conceptual Overviews