# **Molecular Biology of RNA**

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### 2 RNA can form versatile structures

- 2.1 DNA and RNA are composed of slightly different building blocks
- 2.2 Nucleotides are joined together through a phosphodiester backbone to give nucleotidec hains
- 2.3 RNA secondary structure: hydrogen bonding between bases holds nucleotide chains together in double helices
- 2.4 Nucleic acids have primary, secondary, and, in the case of RNA, tertiary structure
- 2.5 Five common secondary structure motifs are found within RNA molecules
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- 2.7 The formation of RNA duplexes is stimulated by positively charged molecules and particularly metal ions
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- 2.10 Riboswitches are shape-changing RNAs which can flip gene expression patterns on binding specific target molecules
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