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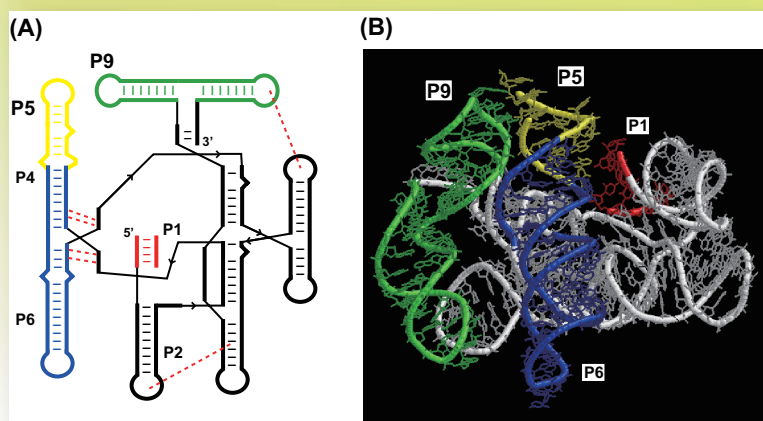
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- Biomolecular Structures
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- Biochemistry in Cell Membranes
- Biochemistry in Diseases and Aging
- Neurochemistry
- Immunochemistry
- Physiological Chemistry
- Biochemical Pharmacology
- Analytical Biochemistry

#### **Molecular Biology:** Molecular Biology General

- Genes and Other Genetic Materials
- Replication and Recombination
- Gene Expression
- Protein Synthesis
- DNA-Protein Interaction
- RNA Processing
- Genetic Engineering
- Genetic Diseases
- Molecular Genetics
- Molecular Evolution
- Bioinformatics

**Fields:** Topics

**Cell:** Cell General

Biomembranes, Organelles, and Protein Sorting  
Muscles  
Cytoskeleton, Cell Motility, and Cell Shape  
Extracellular Matrices and Cell Adhesion Molecules  
Cell Cycle  
Receptors and Signal Transduction  
Stress Proteins and Molecular Chaperones  
Cell Death  
Differentiation, Development, and Aging  
Neurobiology  
Tumor and Immunology

**Biotechnology:** Biotechnology General

Biomimetic Chemistry  
Biomaterials  
Bioactive Substances  
Synthetic Peptides and Oligonucleotides  
Gene and Protein Engineering  
RNA Technology  
Glycotechnology  
Immunological Engineering  
Cell and Tissue Engineering  
Transgenic Technology  
Gene Delivery Systems  
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**COVER:** (A) Secondary structure of a shortened Twort group I intron lacking the terminal loop of P1. The P1 helix is shown in red, and the P5 and P9 elements are shown in blue and green, respectively. Dashed red lines indicate tertiary interactions discussed in this study. Arrowheads indicate the 5'-3' directionality of the RNA chain. (B) Three-dimensional (3D) structure of the Twort intron (Golden, B.L., Kim, H., and Chase, E. (2005) Crystal structure of a phage Twort group I ribozyme-product complex. *Nat. Struct. Mol. Biol.* **12**, 82–89). Colored regions in the 3D structure correspond to those in the secondary structure. Discovery Studio (Accelrys) was employed for production of the 3D image by employing the coordinates of the crystal structure of the Twort group I ribozyme (Protein Data Bank ID 1y0q). [See Ikawa *et al.*, p. 429]