

Reviews

Mechanism of Gene Transcription

R. Kornberg

1 The Molecular Basis of Eukaryotic Transcription (Nobel Lecture)

RNA Interference

A. Fire

2 Gene Silencing by Double-Stranded RNA (Nobel Lecture)

Gene Silencing

C. C. Mello

Return to the RNAi World: Rethinking Gene Expression and Evolution (Nobel Lecture)

Communications

Enantioselective Protonation

C. Fehr

3 Catalytic Enantioselective Tautomerization of Isolated Enols (Cover Picture)

Silicon Complexes

R. Tacke et al.

4 Pentacoordination of Silicon by Five Different Ligand Atoms: Neutral Silicon(IV) Complexes with SiCISONC and SiISONC Skeletons

Biomimetic Synthesis

J. Li et al.

Adenosine Triphosphate Biosynthesis Catalyzed by F_0F_1 ATP Synthase Assembled in Polymer Microcapsules

Copper(III) Intermediates

S. H. Bertz, C. A. Ogle et al.

Organocuprate Cross-Coupling: The Central Role of the Copper(III) Intermediate and the Importance of the Copper(I) Precursor

Protein Folding

S. H. Gellman et al.

Thermodynamic Analysis of β -Sheet Secondary Structure by Backbone Thioester Exchange

Nitrogen Ylides

R. A. J. O'Hair et al.

Sixty Years after Wittig: Gas-Phase Synthesis of Lithium Trimethylammonium Methylide, $[(CH_3)_3NCH_2Li]^+$

P_4 Activation

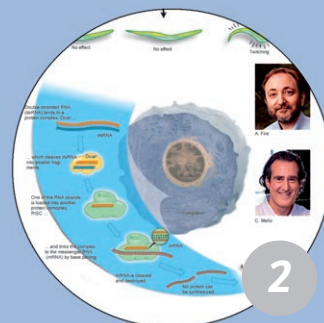
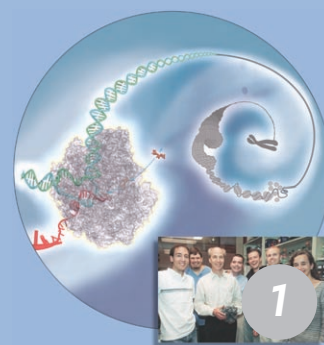
G. Bertrand et al.

Carbene Activation of P_4 and Subsequent Derivatization

Combinatorial Chemistry

D. B. Berkowitz et al.

"Cassette" In Situ Enzymatic Screening Identifies Complementary Chiral Scaffolds for Hydrolytic Kinetic Resolution across a Range of Epoxides



Issue 37/2007 will be published on September 17, 2007.