

Editorial

Current Chemical Biology represents an exciting new journal which will publish full-length and mini reviews on recent developments at the chemistry-biology interface. It will cover a wide range of topics relating to the synthesis of biologically important molecules including macromolecules such as proteins, polypeptides, oligonucleotides, oligosaccharides etc. It will also include areas such as asymmetric synthesis, combinatorial synthesis and biomimetic synthesis. The reviews focusing on science at the chemistry-biology interface will include such fields as chemical informatics, macromolecular biosynthesis, receptor chemistry and cell signaling chemistry. Reviews are also to be published on chemical mechanisms of biological systems, including mechanisms of drug design, molecular recognition, enzyme inhibition mechanisms, chemical mechanisms of biological functions, molecular machines and chemical ecology.

This inaugural issue of *Current Chemical Biology* presents a number of reviews written by the leading experts in their respective fields. These include reviews on metal excitation and luminescence as sensors in organic and biological applications, emergent nanotechnologies in medical and biochemical applications, bacterial asparaginases, origins of bihomochirality, folding assembly and stability of transmembrane cytochromes, and energy utilization, catalysis and evolution — emergent properties of life.

It is hoped that this journal will soon become a leading international journal in this exciting area.

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