

# Advances in Computational Biology, Computational Chemistry and Protein Folding

## Preface

In recent years, more and more researchers in Computer Science and Global Optimization have found Computational Biology, Computational Chemistry, Protein Folding and other related “real sciences” to be wonderful sources of test problems for global minimization algorithms. At the same time, researchers in those real sciences have come to recognize Computer Science and Global Optimization as a powerful tool in solving their problems. As the sciences blend, together with the advent of massively parallel high performance computers, we have all witnessed the advances in Computational Biology, Computational Chemistry and Protein Folding: better solutions have been found; larger problems have been solved!

In order to enhance these important advances and to promote interdisciplinary research in these important fields, we present to you this special issue of the *Journal of Global Optimization* featuring *Advances in Computational Biology, Computational Chemistry and Protein Folding*.

This work was started while the second editor was with the Army High Performance Computing Research Center at the University of Minnesota and completed after he joined the faculty at the University of Vermont. We would like to thank the authors of the papers, the anonymous referees, Professor George Sell and Dr. Donald Austin, and the publisher for helping us to produce this special issue of the Journal.

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