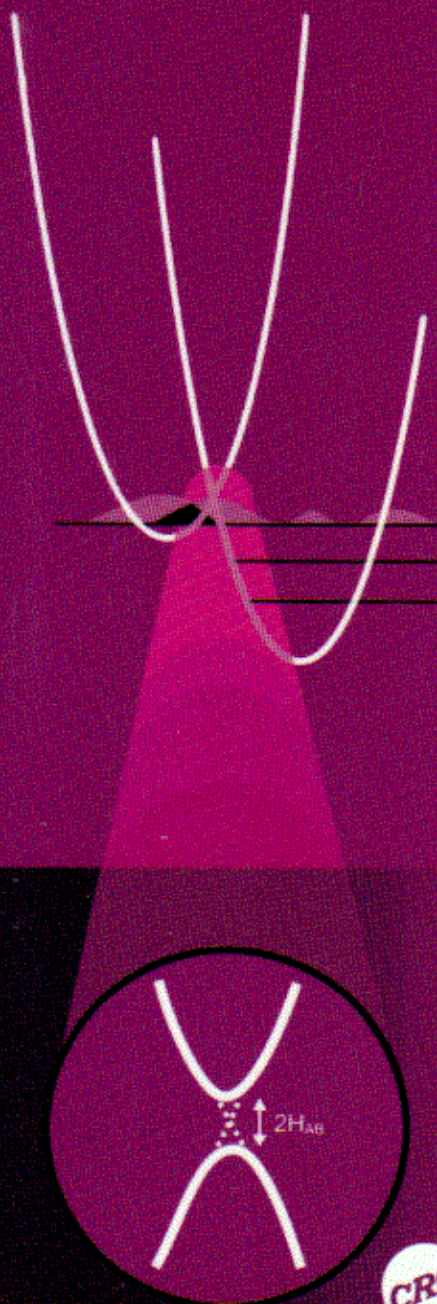




Protein Electron Transfer is a major collaborative effort by leading experts and explores the molecular basis of the rapidly expanding area of electron transfer in proteins. It describes the theory of protein electron transfer as well as examples of experimental investigation within the main classes of redox protein. Topics covered include:

- Theory of protein electron transfer
- The protein bridge between redox centres
- Interprotein electron transfer
- Computer modelling of protein-protein interactions
- Structures of electron transfer proteins and their complexes
- Photosynthetic reaction centres
- Copper and haem proteins
- Coupling between electron transfer and proton translocation
- Development of the subject - personal overview by R.A. Marcus

This book is unique; the factual content and ideas it expounds are only just beginning to be touched upon in standard texts. As such, it is essential reading for researchers in biochemistry and chemistry planning to study new systems of protein electron transfer. It is also a valuable guide for postgraduates and advanced undergraduates interested in this fundamentally important area of study.

Subject category: Biochemistry



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