

MINREVIEW SERIES

ATP Synthases in the Year 2000: Current Views about Structure, Motor Components, Energy Interconversions and Catalytic Mechanism—Part I

Series Editor: Peter L. Pedersen

Part I of this two part series focuses on the structures of ATP synthase (F_0F_1) and includes current views about the structures of the complete complexes as well as the structures of individual components of these complexes. As the F_0 and F_1 moieties of ATP synthases are believed to operate, at least in part, as motors, the information included in Part I is relevant directly to the structures of these motors. Part I also includes information about structure/ function relationships in ATP synthases, and information about their assembly. Part II of this series will be published in the next issue of the *Journal of Bioenergetics and Biomembranes* (Vol. 32:5) and will focus more on how the two motors within ATP synthases are believed to work in driving ATP synthesis, and how ATP is believed to be made at the active sites of these remarkable enzyme complexes.

August 2000
Peter Pedersen