DESCRIPTION

*BBA Bioenergetics* covers the area of **biological membranes** involved in energy transfer and conversion. In particular, it focuses on the structures obtained by X-ray crystallography and other approaches, and molecular mechanisms of the components of **photosynthesis**, mitochondrial and bacterial **respiration**, oxidative phosphorylation, motility and transport. It spans applications of **structural biology**, molecular modeling, spectroscopy and biophysics in these systems, through bioenergetic aspects of mitochondrial biology including biomedicine aspects of **energy metabolism** in **mitochondrial disorders**, neurodegenerative diseases like Parkinson’s and Alzheimer’s, **aging**, diabetes and even **cancer**.

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AUDIENCE

Biochemists, biophysicists, cell biologists and biomedical scientist interested in the structures, mechanisms and consequences of cellular energy metabolism.

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