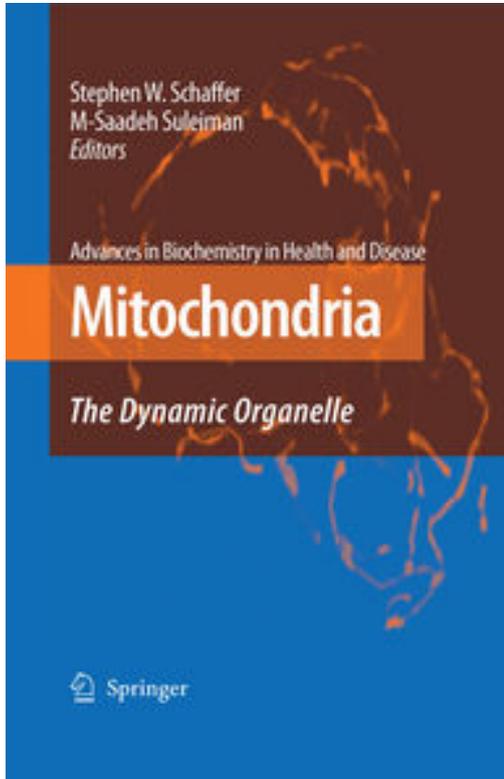


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Key topics:

Amino acid metabolism Carbohydrate and lipid metabolism Citric acid cycle regulation and metabolite transport Electron transport and oxidative phosphorylation Ischemic preconditioning Mitochondrial apoptosis Mitochondrial DNA damage Mitochondrial permeability transition Mitochondrial ion transporters Necrotic oncosis and mitochondrial dysfunction Peroxisome proliferators-activated receptors (PPARs)

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About the Editors:

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~~Stephen W. Schaffer has been a professor of Pharmacology at the University of South Alabama, College of Medicine since 1988. He received training in mitochondrial function from the Johnson Research Foundation at the University of Pennsylvania. His research focuses on the effects of diabetes and angiotensin II on the heart, with a particular emphasis on the effects of mitochondrial DNA damage on the cardiomyocyte. He is a recipient of the Vincenzo Penagia Distinguished Scientist Award and is a fellow of the International Academy of Cardiovascular Sciences. He serves on the editorial board of Amino Acids and Molecular and Cellular Biochemistry and is editor of several books.~~

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