



Front cover image: The mitochondrial compartment (in white on the picture) is organized as a global dynamic network in human cells. It produces energy heterogeneously in the cytosol and could be compartmentalized, both functionally and physically as subnetworks (pictured in colors). In cancers cells, mitochondria could be diverted from their primary function of ATP production to serve more as catabolic plants for lipid and nucleic acid synthesis; they are also modified to abrogate cell death and to adapt the metabolism of tumors to microenvironmental constraints in energy substrate delivery.

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