

#### Cover image

Mitochondria are the powerhouses of the cells, generating the energy the cells need to do their tasks and to stay alive. Researchers have studied mitochondria for some time because when these cell organelles don't function as well as they should, several diseases develop. In this photograph of cow cells taken with a microscope, the mitochondria were stained in bright yellow to visualize them in the cell. The large blue dots are the cell nuclei and the grey web is the cytoskeleton of the cells. (Image credit: Torsten Wittmann, University of San Francisco. NIH Image Gallery. NIH funding from: National Institute of General Medical Sciences (NIGMS).)

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