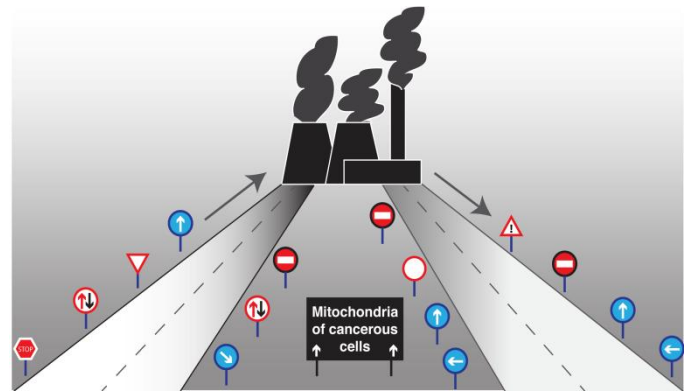
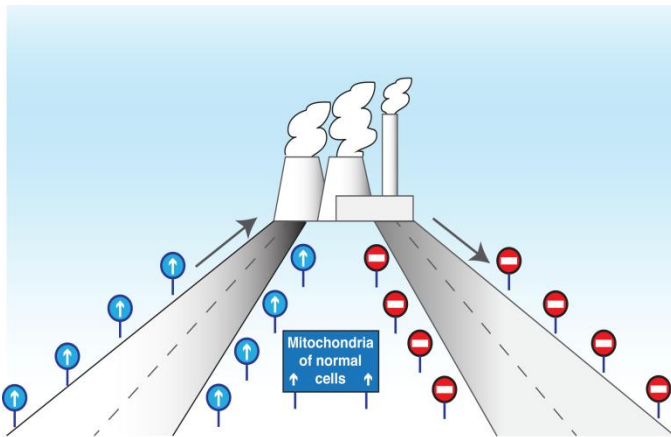


MITOCHONDRIAL METABOLITE TRANSPORT IN CANCER CELLS

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Mitochondria are often called the “powerhouses of the cells”, because they provide cells with energy in the form of ATP. Besides that, they also work as cellular “chemical factories”, producing many other important compounds, such as the building blocks for the cell. Numerous molecules are transported in and out of the mitochondria in a very specific and controlled manner.

Cancer cells change mitochondrial metabolism in such a way that it fits their own needs, thus significantly altering transport processes. We study these changes in mitochondrial transport to understand specific metabolic needs of cancer cells better and, hopefully, to find their “Achilles’ heels”.

