

Bureš lecture

"The role of mitochondrial RNA granules in mitochondrial biogenesis"

Hana Antonická
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Information about the speaker:

Dr. Hana Antonická obtained her MSc. and PhD at Charles University, Prague. During her studies she worked at the Institute of Physiology CAS under the supervision of Dr. Josef Houštěk. From the very beginning of her scientific career, she focussed on the causes of inherited mitochondrial disorders. Early work focussed both on cytochrome c oxidase and ATP synthase. Her PhD thesis explored the role of mRNA binding proteins on posttranscriptional regulation of ATP synthase biogenesis. In 2000 she left for postdoc to the group of Prof. EA Shoubridge at McGill University in Montreal. This refocussed her scientific orientation towards cytochrome c oxidase and this enzyme remains her major topic to date. Her recent work in this field mostly focusses on the translational regulation of mtDNA encoded subunits of cytochrome c oxidase and the process of the mitochondrial proteosynthesis in general. She authored 31 papers, many of them in prestigious journals including Nature Genetics, Cell Metabolism and Human Molecular Genetics. Her work was cited more than 1300 times and her H index is 17.