

Jiří Fajkus

Citation Report:

Sum of articles WoS: 68

Sum of articles WoS (2004 - 2008): 27

Sum of the Times Cited: 803

h-index : 17

Number of patents: 0

Currently the Head of the Department of Functional Genomics and Proteomics. His research has been focused on biology of telomeres, including their structure and evolution, and epigenetics. Besides common molecular biology and biochemical techniques, his laboratory is experienced in analysis of DNA-protein and protein-protein interactions, nucleosome positioning, telomere length measurement, and quantitative determination of telomerase activity for both diagnostic and research purposes. Technical infrastructure includes fluorescence microscopy, centrifugation and ultracentrifugation, preparative and analytical chromatography, phosphofluoroimaging, real-time PCR and documentation system for chemiluminescence and fluorescence.

Selected recent papers:

- Ruckova, E., Friml, J., Prochazkova Schrupfova, P., J. Fajkus. (2008) Role of alternative telomere lengthening unmasked in telomerase knock-out mutant plants. *Plant Mol Biol* 66: 637-646.
- Procházková Schrupfova, P., Kuchar, M., Palecek, J., Fajkus J.(2008) Mapping of interaction domains of putative telomere-binding proteins AtTRB1 and AtPOT1b from *Arabidopsis thaliana*. *FEBS Lett* 582: 1400-1406.