

Regular Wednesday IMG seminar



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Laboratory of Cancer Biology

“To be or not be - at the centromere”

Subtitle: The novel regulation of centromeric chromatin by cullin-dependent protein degradation.

The regulation of the epigenetic composition of centromeric chromatin is essential for various cellular processes, such as cell division, ribosomal biogenesis, transcription, or DNA damage response. The centromeric chromatin, composed of the histone variant CENP-A, the enigmatic DNA-binding protein CENP-B, and the adapter-like protein CENP-C, serves as a platform for the large protein complex called the kinetochore which is essential for the attachment of microtubules during the late stages of mitosis. The function of the centromere in postmitotic cells is largely unknown. Our work introduces a novel biochemical pathway that regulates the abundance and density of centromeric chromatin. We will show that this process is active in postmitotic cells in vivo, and present several levels of control of this novel signaling pathway.

The seminar will be held

on Wednesday 1st June 2022 at 15:00

in the Milan Hašek Auditorium at IMG

(Institute of Molecular Genetics of the Czech Academy of Sciences, Vídeňská 1083, Prague 4)
