

## Regular Wednesday IMG seminar



**Cecilia Aquino Perez, M.Sc.**

**Laboratory of Cancer Cell Biology**

**“New function of Casein kinase 1 and its substrate  
FAM110A in mitosis”**

Progression through the cell cycle is driven by cyclin dependent kinases that control gene expression, orchestration of mitotic spindle and cell division. We have recently identified Casein kinase 1 as novel regulator of mitosis. Depletion or inhibition of CK1 delayed progression through mitosis and caused chromosomal segregation defects. During mitosis, CK1 phosphorylates FAM110A protein and promotes its attachment to microtubules of the mitotic spindle. We will present our advances in understanding of FAM110A function in cross-linking spindle microtubules with actin cytoskeleton.

**The seminar will be held on-line at**

<https://cesnet.zoom.us/j/93103141872>

**on Wednesday 12<sup>th</sup> January 2022 at 15:00**

**The seminar can also be attended in the Milan Hašek Auditorium at IMG**

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

**Please note**

All participants in the Milan Hašek Auditorium (except the speakers) must have their mouths and noses covered by respirators. All participants are bound to observe the current sanitary regulations and directives established by the Czech Government.

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