

## Regular Wednesday IMG seminar



**Peter Gorilák, Ph.D.**

**Laboratory of Cell Motility**

### **“Identification and characterization of mammalian ciliary tip proteins”**

Mammalian cilia have important motility, signaling, and sensory roles. The tip of the cilium is an exclusive site of construction of the ciliary cytoskeleton. How are these construction processes orchestrated is largely unknown, mainly due to a limited knowledge of proteins residing at the ciliary tip. Based on our evolutionary approach we identified novel proteins at the tip of mammalian motile and primary cilia and defined an evolutionary conserved cilia tip-related Zn-finger protein family. The work further highlights recently described differences in the organization of the cytoskeleton of the two types of mammalian cilia.

**The seminar will be held**

**on Wednesday 23<sup>rd</sup> November 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)

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