

PhD projects on cilia and flagella available in the Laboratory of Cell Motility at the Institute of Molecular Genetics in Prague

For further information visit:

<https://www.img.cas.cz/education/phd-programme/open-phd-positions/>

<http://www.img.cas.cz/research/vladimir-varga/>

or contact as via e-mail (vladimir.varga@img.cas.cz)

The Laboratory of Cell Motility is seeking motivated students eager to uncover basic principles of cell biology.

The first PhD project will focus on processes underlying construction of the mammalian cilium, a fascinating organelle essential for cell motility, signalling and sensing. Malfunctions of the cilia cause multi-symptomatic disorders called ciliopathies.

The second PhD project will focus on structures at the distal end of the flagellum of *Trypanosoma brucei*, the parasitic protozoan causing sleeping sickness.

We are a young, dynamic, and friendly laboratory. We employ a broad range of cutting-edge cell biology and biochemistry approaches, and advanced imaging, including electron tomography. We are part of the Institute of Molecular Genetics of AS CR, a well-equipped and vibrant scientific institution. We collaborate with leading laboratories in the Czech Republic, as well as with Oxford University, UK, and the Max Planck Institute in Dresden, Germany.

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