looks for

**Diploma students**

**Phd students**

**Post-doc**

Up to two diploma students, two Phd-student and a one post-doctoral position are available in the laboratory of Cell signaling.

Enthusiastic, motivated students/postdocs with a background in cell biology, molecular biology or a similar field are welcome to join our research project focused on role of phosphodiesterases in bone and cartilage.

The successful candidates will work in dynamic environment with translation into clinic. She/he will learn or will have possibility to work on:

* protein analysis by western blotting and confocal microscopy
* gene expression profiling of mouse and human tissue
* experimental therapy for mouse models of human diseases
* CRISPR/Cas9 system for gene targeting in cells
* unique collection of cell lines monitoring FGF signaling

Further information for PhD students: https://biology.med.muni.cz/phd-school

Supervisor´s name: **Mgr. Bohumil Fafílek, Ph.D.**

Contact: tel: +420 549 49 7482, e-mail: fafilek@med.muni.cz

Supervisor´s 5 best publications: Gastroenterology 2013, 144(2):381-391

 Science Signaling 2018, eaap8608

 Cellular Signaling 2011, 23(5):837-848

 Elife 2017; 6. pii: e21536

 Osteoarthritis and Cartilage 2017, 25(9):1522-1530