

## **PhD program in Experimental Surgery**

### **Characteristics of the program**

PhD program in Experimental Surgery is part of Doctoral studies in biomedical sciences.

Individual programs of Doctoral studies in biomedical sciences have been established in co-operation between the Charles University in Prague and the Academy of Sciences of the Czech Republic. The Experimental Surgery program is intended for physicians with specialization in general surgery, obstetrics and gynecology, ophthalmology, orthopedics, otorhinolaryngology, urology, dentistry, and other surgical medical specialties.

The aim of the program is to provide field for co-operation between above mentioned surgical specializations and basic research. The program has been established on the basis of understanding of representatives of surgical disciplines and the need of science training for surgeons.

### **The profile of Experimental surgery graduates**

The graduate of Experimental surgery is the most commonly physician with profound knowledge in his/her surgical specialization and relevant knowledge in theoretical biomedical disciplines. He/She mastered basic laboratory techniques essential for experimental work. He/She is able to establish scientific hypothesis, set research aims, choose appropriate strategies and methods to verify the hypothesis, critically evaluate the experimental data, publish the results in peer reviewed scientific journals and present the data at research meetings. The Experimental surgery graduate has better employment opportunities in his/her surgical specialization, better chance to achieve leading position and after meeting the other criteria for the award of the pedagogical-academic title.

