

## Study programme: MEDICAL BIOLOGY

### ANNOTATION

The “Medical Biology” doctoral degree programme is focussed on studies of basic principles of biological processes in human cells at the molecular level. Molecular genetic studies carried out by the students aim to provide valuable information on gene/protein function which is relevant to human health and disease. The programme provides graduates with an extensive knowledge of methodological approaches allowing understanding the origin of human diseases, preclinical research of drugs using model systems etc. Students are supervised by mentors of the Faculty of Medicine and Dentistry, Palacký University Olomouc and University Hospital Olomouc, recognized experts in the medical biology research fields.

### ADMISSION PROCEDURE 2018/19

Dissertation topics of the training department:

Department of Clinical and Molecular Pathology and Laboratory of Molecular Pathology, Faculty of Medicine and Dentistry, Palacký University Olomouc, Hněvotínská 3, Olomouc, tel.: + 420 585 632 452

**1. Molecular mechanisms of prostate and breast cancer progression**

1 position in the full-time form of study

Supervisor: Mgr. Jan Bouchal, Ph.D.

**2. Analysis of bioinformatics data to reveal prognostic and predictive signatures of outcome in B cell lymphomas associated with age and gender**

1 position in the full-time form of study

Supervisor: prof. MUDr. Paul Gerard Murray, Ph.D.

Application deadline:

**14 May 2018**

Date and location of the entrance examination:

**21 June 2018** at 11:00 at the Department of Clinical and Molecular Pathology, Faculty of Medicine and Dentistry, Palacký University Olomouc, Hněvotínská 3, Olomouc

Anticipated maximum number of admitted students:

**Full-time form: 2 students**

**Distance form: -**

Examination format: oral

Contents of entrance examination:

- selected chapters of medical biology and molecular pathology

Evaluation criteria:

- applicant's knowledge and interest in scientific work

The annual tuition fee for the post-graduate study programme conducted in English is set at EUR 3,000.