

## Study programme: MEDICAL MICROBIOLOGY

### ANNOTATION

Medical Microbiology is concerned with the morphological and physiological properties of microorganisms, their pathogenicity and virulence, and susceptibility to antimicrobial agents. It also focuses on the ecological, epidemiological and epizootic contexts of individual microbial groups, and their taxonomy and sub-taxonomic classification using molecular genetics methods.

### ADMISSION PROCEDURE 2019/20

Dissertation topics of the training department:

Department of Microbiology, Faculty of Medicine and Dentistry, Palacký University Olomouc, Hněvotínská 3, Olomouc, tel.: +420 585 632 402

**1. Analysis of culturome in cancer**

1 position in the full-time form of study

Supervisor: MUDr. Vladislav Raclavský, Ph.D.

**2. McRAPD typing for epidemiological surveillance in clinical microbiology**

1 position in the full-time form of study

Supervisor: MUDr. Vladislav Raclavský, Ph.D.

Application deadline:

**13 May 2019**

Date and location of the entrance examination:

**12 June 2019** at 10:00 at the Department of Microbiology, 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:

- basic microbiological techniques, role of microbes in cancer, key nosocomial pathogens, microbial strain typing techniques, MALDI ToF MS protein profiling for bacterial species identification, McRAPD and PCR

Evaluation criteria:

- approval of all members of the examination board

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