

**Study programme: MEDICAL MICROBIOLOGY**

**ANNOTATION**

Medical Microbiology is devoted to 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, their taxonomy and sub-taxonomic classification using molecular genetic methods.

**ADMISSION PROCEDURE 2021/22**

Dissertation topic/s of the training department:

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

**1. Analysis of culturome in cancer**

1 position in the full-time form of study

Supervisor: doc. MUDr. Vladislav Raclavský, Ph.D. ([rac@volny.cz](mailto:rac@volny.cz);  
[www.researchgate.net/profile/Vladislav\\_Raclavsky](http://www.researchgate.net/profile/Vladislav_Raclavsky))

Supported by grant: IGA UP

**2. Epidemiological surveillance of nosocomial infections using rapid molecular techniques**

1 position in the full-time form of study

Supervisor: doc. MUDr. Vladislav Raclavský, Ph.D. ([rac@volny.cz](mailto:rac@volny.cz);  
[www.researchgate.net/profile/Vladislav\\_Raclavsky](http://www.researchgate.net/profile/Vladislav_Raclavsky))

Supported by grant: IGA UP

Application deadline:

**14 May 2021**

Date and location of the entrance examination:

**23 June 2021 - 9.00 a.m.**  
Department of Microbiology,  
Hněvotínská 3, Olomouc

Anticipated maximum number of admitted students:

**Full-time form: 2 students\***

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: the consensus of all members of the examination commission

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

*\*Note: The same dissertation topics have been announced for the Czech programme. There will be 2 students admitted altogether for the Czech and the English programme.*