

## **Study programme: MEDICAL GENETICS**

### **ANNOTATION**

The study of hereditary patterns of occurrence of morphological and psychic characters on individuals and in the population, genetic counselling for syndromologic units, pre-and postnatal cytogenetics, assessment of fetal biochemical markers, DNA analysis of the congenital defects and hereditary diseases, prenatal diagnosis, oncocytodiagnosics.

### **ADMISSION PROCEDURE 2024/2025**

#### **Contact details of the training department:**

Laboratory of Inherited Metabolic Disorders, University Hospital Olomouc, Zdravotníků 248/7, 779 00 Olomouc, tel.: 588 443 228, 588 444 231

#### **Dissertation topic/s of the training department:**

##### **1. Targeted Lipodomics for the Diagnosis of Inherited Metabolic Disorders**

1 position in the full-time form of study  
Supervisor: doc. RNDr. Radek Vrtěl Ph.D.  
Grant: OP JAK ITI - Metabolomika

##### **2. Studying Novel Pathobiochemical Mechanisms of Inherited Metabolic Disorders Using Metabolomic and Lipidomic Tools**

1 position in the full-time form of study  
Supervisor: prof. RNDr. David Friedecký, Ph.D.  
Grant: OP JAK ITI - Metabolomika

Application deadline: **15 May 2024**

Date and location of the entrance examination: **13 June 2024**  
Department of Medical Genetics

Anticipated maximum number of admitted students:  
**Full-time form: 2 students**

Examination format: oral

Contents of entrance examination:  
The issue of clinical genetics focused on applied subject matter.

Evaluation criteria:  
pass/fail

**The annual tuition fee for the post-graduate study programme conducted in English is set at EUR 100.**