

PhD fellowship in Hematology

(Program D-HEM Hematologie 5103V999)

Faculty of Medicine of Masaryk University in Brno is inviting a students to join **PhD fellowship program 2016/2017** at Department of Internal Medicine – Hematology and Oncology (**IHOK**)

<http://www.med.muni.cz/index.php?id=1572>

Center for Molecular Biology and Gene Therapy (**CMBGT**) is a connection between clinical and research activities of Faculty of Medicine, University Hospital Brno and Central European Institute of Technology (**CEITEC**). It focuses its activities on study of hematological malignancies ranging from diagnosis to research.

Our group is working on advancing research and molecular diagnostics of Chronic and Acute Myeloid Leukemia. **We offer 2 PhD positions** with following topics:

- 1. Study of molecular genetic changes in patients with Chronic Myeloid Leukemia (CML) using next generation sequencing and digital PCR methods. (CEITEC)**

Aim of the project is a stratification of CML patients in a relation to either their molecular status or responsiveness to tyrosine kinase inhibitor treatment for improvement of monitoring of the disease progression or therapy success.

- 2. Study of heterogeneity of mutant clones in Acute Myeloid Leukemia (AML) patients using next generation sequencing methods. (CMBGT)**

Aim of the project is the determination of major and minor leukemic clones for individual AML patients and monitoring their evolution and mutual cooperation during the therapeutic process as a potential possibility for early prediction of disease relapse.

Successful candidate will be offered standard PhD scholarship according to internal regulations of Faculty of Medicine plus we aim to offer an additional work contract according to candidate qualification. Further we offer state-of-the-art laboratory environment and high level scientific guidance established at CEITEC and CMBGT.

What we are looking for in Fellow Applicants & how to apply.

- Applicants who relate to clinical research and seem to be caring individuals with high level of responsibility and concern for patients.
- Applicants who would like to continue to work in an academic environment, particularly with specific interest in Clinical Research in Hematology and Oncology.
- Applicants should have proven skills in Molecular Biology techniques, especially PCR methods. Experience with statistical analysis programs is advantageous.
- Finished MD degree or MSc degree in biology or related fields is requirement for this position.

Interested individuals should send their CV, letter of interest, and 1-2 reference letters according to a chosen theme of interest to:

1. **RNDr. Marianna Romžová, PhD**, marianna.romzova@ceitec.mucic.cz, +420 549 49 7945
2. **Ing. Ivana Ježíšková, PhD**, ivana.jeziskova@fnbrno.cz, +420 532 234 628

Official deadline for enrollment to PhD program is **30th April 2016**. If you are interested, please contact us as soon as possible. Program starts in fall 2016.