

## EUROGENTEST FELLOWSHIP REPORT

Aleksandra Nestorovic and Mila Ljujic, PhD students from Laboratory for Molecular Biology at the Institute of Molecular Genetics and Genetic Engineering, Belgrade, Serbia, visited Division of Clinical Molecular Genetics and the National Cystic Fibrosis Centre, headed by Prof. Dr. Milan Macek, University Hospital Motol and 2nd School of Medicine, Charles University, Prague, Czech Republic, from 20<sup>th</sup> August to 21<sup>st</sup> September 2007.

The purpose of the visit was to gain experience in automatic ABI sequencing and multiplex ligation dependent probe analysis - MLPA. We were involved in sequencing of protamin 1 and 2 genes and MLPA analysis of CFTR gene and trained in analysis and interpretation of the obtained results.

We also had a chance to become familiar with a new technique - HR-MCA (high resolution melting curve analysis) and participated in its validation in detection of the following mutations: FV Leiden, FII G20210A, PAI 4G/5G, MTHFR A1298C and MTHFR C677T at Lightcycler 480 (Roche Diagnostics).

We had the opportunity to learn more about the organization of molecular genetics laboratory and validation protocols for molecular genetic methods.

The expertise gained from this training funded by EUROGENTEST was very valuable, since our laboratory is also involved in analysis of CFTR gene and thrombophilia risk factors. From recently we have ABI Genetic Analyzer in our Institute and our future plans are to implement the methods learned in Prague in our laboratory practice.

Mila Ljujić

Aleksandra Nestorović