

**C. GENERAL REPORT****2. INDIVIDUAL TRAINING REQUEST**Responsibility: TraineeDestination: Participants and Co-ordination*Several EuroGentest participants offer the possibility for training on request.**This form is to be filled in by the requesting fellow**Please add a CV on separate page*

|               |                |   |
|---------------|----------------|---|
| <b>FELLOW</b> | <b>Name</b>    | <b>Halyna Makukh</b>  |
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**Description of the requested training and motivation for such training: (max. 20 lines)**

I have been studying the problem of molecular-genetics diagnostics of hereditary diseases since 1994. I am a senior research assistant of the research group which perform molecular-genetics testing of CFTR, Phenylketonuria, Nijmegen breakage syndrome (NBS), Dystrophin, ATM, SMN1 gene mutations among patients from West Ukrainian region. Also we perform molecular-genetic studies of Y-chromosome microdeletions and MTHFR, MTR, MTRR, IL-10, VDR-3 and other gene polymorphisms.

The methods we used at the laboratory allow confirming the presence or absence of proper mutation (RFLP, heteroduplex, deletion analysis, ARMS et.al.). We have DNA samples of CF, DMD, PHU patients with the unidentified alleles.

I would like to learn and apply other more sensitive techniques like DNA sequencing using an automated ABI sequencer, HRMCA, MLPA and other methods for screening and detection of mutations.

I am very interested to get training in the organization of molecular diagnostic laboratory according to Eurogentest requirements.

I am keen to elaborate all these methods at the Institute of Hereditary Pathology of Academe of Medical Sciences of Ukraine.

**Number of person-months (days) requested****1 person / 15-21days****Requested timing**

Since 10 September 2008 or other later timing, based upon discussion with the host.

**Educational level (predoc, postdoc, experienced, ...)**

Post doctoral fellow.

**Actual position and Qualifications of trainee (academic, nurses, technicians, industrial, ...)**

Research Associate; Candidate of Biological Science scientific degree (Ph.D) in specialty Genetics.

**Facilities requested (equipment, housing, ...)**

Travel and stay accommodations

**Financial possibilities**

None

**Preferential EuroGentest hosts**

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