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PARTNER SEARCH HEALTH-EU-LCP-11

06 luglio 2009

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APRE segnala una nuova richiesta straniera di partnership per un progetto da presentare nel programma COOPERATION, tema SALUTE.
Per maggiori informazioni sulla Ricerca Partner e per conoscere i contatti del proponente, può consultare il seguente indirizzo web: http://www.apre.it/formaAssist/scheda.asp?id=1251

------- PARTNER SEARCH HEALTH-EU-LCP-11 --------

<Reference n.: HEALTH-EU-LCP-11>
<Deadline: 29/10/2009>
<Programme: HEALTH>
<Project Title: Biomarkers: Identification of DNA methylic markers in thyroid tumors>
<Financial Scheme: Progetti in collaborazione - Large>
<Description: HEALTH.2010.1.2-2
Institutional topic, aa. 2006-2010:
Study of ischemic cadriopaty genetics with identification of persons at high risk of the desease.
Hypothesis:
Identification of new genetic risk factors in population of R.Moldova for preventing of some cardiovascular deseases.
Objectives:
1) Identification of new genetic causal factors of some cardiovascular diseases.
2) Solving of problems on early diagnosis and differential-genetic diagnosis regarding health improvement at regional frame.
3) Identification of persons in the population of R.Moldova at high risk of various cardiovascular diseases

Our project implies a fundamental scientific value as well as a substantial contribution to maintaining of the public health, in the manners stated as follows:

1) Determining of DNA methylic profiles in thyroid tumors and normal paratumoral tissues in order to establish some DNA methylic markers as a new prognostic tool for thyroid cancer;
2) Introducing of a populational screening program with preclinical establishment of thyroid neoplastic processes.

In this project we engage to establish some DNA methylic markers as new diagnostic tool for thyroid cancer.
This way, we plan to collect fragments from thyroid tumors/paratumoral tissue from patients at the Oncological Institute of the R.Moldova. Subsequently it will be determined DNA methylation status in some tumor suppressor genes.
In the case of confirmation of some dangerous methylation DNA parameters, a populational screening program for the establishment thyroid cancer risk of people. In that manner it would be possible to identify persons at high risk with genomic alterations/instability followed by a recommendation to see an oncologist in order to catch a presumptive tumor at an early stage.
At present in our laboratory we have technical support for performing the following procedures: 1) DNA extraction integral blood; 2) Applying MSP technique for determining of the gene methylation status [Herman J. et al., 1996]; 3) Analysis of PCR products by gel-electrophoresis; 4) Interpreting of the results; 5) Elaboration of a data-base for monitoring persons with high risk of leukemia.

<Organisation Type: Università>
<Partner Sought: Role of the partner sought.
- technology development
- training

Start of partnership:
- start-up phase

Expertise:
Applying alternative techniques (DNA sequencing, DNA hybridization) for the determining of gene methylation status others than MSP procedure [Herman J. et al., 1996].