



HEALTH PARTNER SEARCH

7TH. EU FRAMEWORK PROGRAMME FOR RESEARCH, TECHNOLOGICAL DEVELOPMENT AND DEMONSTRATION (2007-2013)

PARTNER is looking for a Project

1.) CONTACT Organisation

Organisation	Victor Babes National Institute of Pathology	Type of organisation (IND, SME, RES, HE, others)	RES
Department	Immunology	Male/Female	F
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Are you familiar with the European Framework Programme?

YES NO

Have you participated in a former European FP?

YES NO

If yes please indicate the project or activity:

FP7-INFRASTRUCTURES-2007-1 - title : European Bio-Banking and Biomolecular Resource Infrastructure
 FP7-PEOPLE-IRSES-2008 - title : Natural antidiabetic & anti-hypertensive drugs)

Project type	<input type="checkbox"/> Large collaborative project	<input type="checkbox"/> Small or medium Collaborative project	<input type="checkbox"/> Network of Excellence	<input type="checkbox"/> Other:
Planned to participate as	<input checked="" type="checkbox"/> partner			
Call identifier	HEALTH.2010.1.1-3 High-throughput analysis of post-translational modifications of proteins.			

Your main research areas / Description of research activities

Victor Babes National Institute of Pathology has a dynamic research activity focused on integrated studies on human pathology, cellular and molecular medicine, genetics and immunology. V-B is certified ISO 9001 for biomedical research and the laboratories involved in the project have national accreditations. The institute has conducted in the last 5 years over 100 national research projects and published a similar number of ISI indexed papers. Patents regarding innovative therapy received international awards. The institute has participated in several international projects: bilateral cooperations (with Greece, Italy, France), NATO Science for Peace (No. 982838), FP7 Projects and International clinical trials. V-B joined several international research networks, such as COST (Action TC: D39 Metallo-Drug Design and Action) and EuroGentTest (Genetic Testing in Europe).

Expertise / Commitment offered:

Description of the know-how / expertise and equipment you can provide

V-B partner can involve several research departments: Biochemistry and Proteomic Unit, Immunology and Genetics with multidisciplinary expertise personnel (physicians, biochemists, biologists, bioinformaticians, biophysicists). We are using multidisciplinary approach for cancer investigation, namely, genomics, proteomics, metabolomics for biomarker discovery in diagnosis, personalized medicine and response prediction to therapy and monitoring. Therefore, several laboratories are involved in drug-pipeline–efficacy and in developing alternative testing strategies. As we have a national recognized Diagnosis Centre and we have nation-wide collaboration with oncological hospitals and we can participate in the selection, qualification and standardization of cancer biomarkers from clinical samples focusing on diagnosis, early detection and prognostic value. The institute can offer equipment for *Proteomics* (xMAP-array (LUMINEX), Protein microarray, SELDI-TOF-MS, 2D-electrophoresis, Chemiluminescence/Fluorescence Multimode Reader, microelectrophoresis and blotting systems) and *Genomics* domain (Gene microarray platforms, PCR/RT-PCR, qPCR systems, DNA and RNA extractors, Experion system for nucleic acid analysis, NanoDrop, pulsed-field gel electrophoresis system, DNA concentrator). The *Imaging* equipment that can be involved: Confocal microscope, flow cytometers, Bio Station, transmission electron microscopes, visible and fluorescence microscopes, motorized Imager microscope and in Situ Imaging System. Moreover auxiliary facilities such as Cell culture facilities, Animal care unit, Nuclear unit, ICP-MS unit, BioBanking can complete the equipment put into use in the proposed project. We are interested in developing standard research platforms and technologies and implementing standard methods and protocols for biomarker discovery.

Keywords specifying the expertise:			
Have you already Identified Partners for projects you are interested in?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Have you already contacted other partners?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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