Bacterial

<table>
<tr><th colspan="4">RECOOP HST Research Activity Inventory</th></tr>
<tr><td colspan="4">Please complete the template for each selected project your organization would like to share with the partners of the RECOOP HST</td></tr>
<tr><td>Organization</td><td colspan="3">Charitable foundation “ Salus”</td></tr>
<tr><td>Area of the Research</td><td colspan="3">MAJOR INFECTIOUS DISEASES: TO CONFRONT MAJOR THREATS TO PUBLIC HEALTH or DISEASE PREVENTION or EPIDEMIOLOGY</td></tr>
<tr><td>Title of the Research Activity</td><td colspan="3">Prevention of tuberculosis among children and HIV/AIDS infection</td></tr>
<tr><td colspan="2">Department (complete address)</td><td colspan="2">Principal Investigator or Head of the Research Group</td></tr>
<tr><td colspan="2" rowspan="5">Charitable foundation “ Salus”
Contact person: President Olexandra Sluzhynska
Contact address: P. B. 320, 79000 Lviv
Tel/fax (0322) 240-33-62
E-mail:salus@mail.lviv.ua www.salus.org.ua</td><td colspan="2">Mariya Telishevska MD, PhD</td></tr>
<tr><td colspan="2">Title:Associate Professor</td></tr>
<tr><td colspan="2">Tel:(0322) 75-47-95</td></tr>
<tr><td colspan="2">Fax: :+380-322-755947</td></tr>
<tr><td colspan="2">E-mail: telishevska@gmail.com</td></tr>
<tr><td>Abstract</td><td colspan="3">Maximum 500 characters</td></tr>
<tr><td colspan="4">Health education in HIV/AIDS area of young people (schoolchildren, students), community, risk groups (sex business workers), health care workers, prisoners. Street workers for health education of sex business workers. Prevention of tuberculosis among children (vaccination, screening).
Socio-economic problems of tuberculosis among children.
Role of primary health care workers in tuberculosis prevention and treatment among children, investigation of socio-economic problems of tuberculosis among children.</td></tr>
<tr><td>Methods used</td><td colspan="3">Maximum 300 characters</td></tr>
<tr><td colspan="4">Facilitating an access to RW-therapy; sharing of rights protection of HIV-infected persons by education of medical stuff and other officials; screening by PCR for HIV/AIDS detection, trace of vaccination in society, screening for tuberculosis</td></tr>
<tr><td colspan="2">Related references (max 3)</td><td colspan="2">Indicate the impact factor of the cited reference</td></tr>
<tr><td colspan="4">Laurent Chenet, Maria Telishevska Epidemiology, Medical Demography and Data Quality Issues in the Former Soviet Union // Journal of Epidemiology and Community Health.- 1 October 2000; Vol.54, □ 10.- P. 722-723</td></tr>
<tr><td colspan="4">Telishevska M., Chenet L., McKee M. Towards an Understanding of the High Death Rate Among Young Diabetics in Ukraine // Diabetic Medicine.- 2001.-18.- P. 1-7</td></tr>
<tr><td colspan="4">Gilmore Anna, McKee Martin, Telishevska Maria, Rose Richard Smoking in Ukraine, who smokes, where and why: evidence from a household survey // Sante publique: Health inequalities in Europe.- Paris,Congress from 14 to 16 December, 2000.-P. 226</td></tr>
<tr><td>Related Inventions Disclosures and Patents</td><td colspan="3">Partners: Dreyfus Health Foundation (USA), Charitable Foundation “Metamorphoses” (Ukraine)< London School of hygiene and Tropical Medicine (Professor Martin McKee) Embassy of Netherlands in Ukraine (program “MATRA”), Ministry of foreign Affairs of Netherlands (program “MATRA”), European Commission, Charitable Foundation “Metamorphoses” (Ukraine) (HIV/AIDS prevention),Embassy of Canada in Ukraine, “Secours Catholique”(France) (Violence prevention among Youth),</td></tr>
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RECOOP HST Research Activity Inventory	
Please complete the template for each selected project your organization would like to share with the partners of the RECOOP HST Consortium and would like to invite other organizations to write FP7 or NIH proposals.	
Organization	Palladin Institute of Biochemistry NAS Ukraine
Area of the Research	MAJOR INFECTIOUS DISEASES: TO CONFRONT MAJOR THREATS TO PUBLIC HEALTH
Title of the Research Activity	Development of new diagnostic tests and vaccines against tuberculosis, using Mycobacterium recombinant proteins expressed in Escherichia coli.

Department (complete address)	**Principal Investigator or Head of the Research Group**
9, Leontovicha str., Kyiv, 01601, Ukraine Palladin Institute of Biochemistry NAS Ukraine, Molecular Immunology Department	Name: Sergiy Komisarenko
	Title: Director, Professor
	Tel: 380-44-279-63-65
	Fax: 380-44-279-63-65
	E-mail: svk@biochem.kiev.ua

Abstract	Maximum 500 characters

Tuberculosis is one of the most dangerous infectious diseases, which kills up to the two millions of people each year. Conventional tests for the diagnosis of tuberculosis lack of sensitivity and specificity. Novel methods of diagnostics and new vaccines are extremely needed to stop the worldwide epidemic of tuberculosis. Development of diagnostic tests and vaccines, based on using of Mycobacterium's recombinant proteins, are considered to be very helpful (perspective), because of their effectiveness, low cost and safety.

Methods used	Maximum 300 characters

Gene engineering techniques, such as DNA purification, PCR, molecular cloning, protein expression in E.coli and its purification. Some immunochemistry methods: ELISA, Western blotting.

Related references (max 3)	Indicate the impact factor of the cited reference

Lyashchenko KP, Wiker HG, Harboe M, McNair J, Komissarenko SV, Pollock JM. Novel monoclonal antibodies against major antigens of Mycobacterium bovis. Scand J Immunol. 2001 May;53(5):498-502.

Wiker HG, Lyashchenko KP, Aksoy AM, Lightbody KA, Pollock JM, Komissarenko SV, Bobrovnik SO, Kolesnikova IN, Mykhalsky LO, Gennaro ML, Harboe M. Immunochemical characterization of the MPB70/80 and MPB83 proteins of Mycobacterium bovis. Infect Immun. 1998 Apr;66(4):1445-52.

Related Inventions Disclosures and Patents	

Planning grant application (please mark your selection with X)	FP7		NIH	
Only participating in projects (please mark your selection with X)	FP7	X	NIH	

RECOOP HST Research Activity Inventory	
Please complete the template for each selected project your organization would like to share with the partners of the RECOOP HST	
Organization	**Slovak Medical University**

Research Groups in the Department of Microbiology	
Group	**Head (name and e-mail address)**
Lab. of human bacterial pathogens	Assoc.Prof.Viktor Majtán,PhD.
	viktor.majtan@szu.sk

2. Main areas of ongoing research in the Department

- Determination of phage types of both typhoid and nontyphoid Salmonellae,
- factory of virulence nontyphoid Salmonella,
- multidrug-resistant Salmonella ,
- molecular analysis of Salmonella strains

3. Methods used in the Department

- phage typing of Salmonella,
- molecular typing methods (PCR, PFGE,plasmide profiles)
- spectrophotometric methods (adherence, biofilm,toxin)