

Partner Search offer in Horizon 2020

Date 02/February/2015)

(* Description of the expertise offered (up to 1000 characters)

Our mission is to improve quality of life and to sustain health through establishing and maintaining a healthy and safe environment in the Slovak Republic.

Our priorities are:

1. Effects of perinatal exposures to environmental chemicals on developing child.
2. Identification of gene-environment interactions.
3. Monitoring of endocrine disruptors in the environment.
4. Support of activities designed to identify and quantify chemicals with potential health effects in biological matrices.
5. Identifying means to protect human health by decreasing exposures to toxicants at workplace, residence and environment.
6. Development of exposure limits to environmental toxicants.
7. Implementation of human biomonitoring targeting various types of populations.
8. Development of analytical methods for detection of various types of chemicals having negative health effects.

Keywords describing the expertise offered (up to 10 words)

human biomonitoring, endocrine disruptors, gestation, exposure, children, puberty, ageing, environmental chemicals, health risk, sustainable development

Potential Contribution to the Project Proposal:

- Research development
- Innovation
- Prototype / Model
- IPR Know-How
- Dissemination and Outreach
- Capacity Building
- Hosting/Sending Secondments
- Networking
- Other:

(* Relevant topic in work programme

We are open to ideas in all fields, for example:

- SFS-08-2015-1: Resource-efficient eco-innovative food production and processing
- PHC-21-2015: Advancing active and healthy ageing with ICT: Early risk detection and intervention
- HCO-17-2015: Towards sustainability and globalisation of the Joint Programming Initiative on Neurodegenerative Diseases

Former participation in FP or other international cooperation projects

The 7th Framework Programme projects:

- Obesogenic endocrine disrupting chemicals: Linking prenatal exposure to the development of obesity later in life (OBELIX)
- Developmental neurotoxicity assessment of mixtures in children (DENAMIC)
- The development, validation and implementation of human systemic Toxic Equivalencies (TEQs) as biomarkers for dioxin-like compounds (SYSTEQ)

The 6th Framework Programme project:

- Assessing the risks of environmental stressors: contribution to development of integrating methodology (ENVIRISK)
- Integrated Assessment of Health Risks of Environmental Stressors in Europe (INTARESE)

The 5th Framework Programme project:

- Evaluating human health risk from low-dose and long-term PCB exposure (PCBRISK)
- Placental uptake and transfer of environmental chemicals related to allergy in childhood years (PLUTOCRACY)

Other:

- #1UO1ES016127-01 Early Disease Biomarkers of PCB-exposed Human Population (National Institute of Environmental Health Sciences, US NIEHS)
- # R01-CA96525 U.S. National Institutes of Health, National Cancer Institute project PCBs and early childhood development in Slovakia.
- # R03-TW007152 U.S. National Institutes of Health, University of California, Davis, CA, PCBs and Otodevelopment in Eastern Slovakia.
- Banking of biological and environmental samples from an area with increased environmental exposure to PCBs in East Slovakia #009/2002 Slovak-US cooperation in science and technology.
- ENVIRONMENTAL ASPECTS OF URBAN AREA” (ITMS: 26220220110) supported by the Research & Development Operational Programme funded by the ERDF

Organisation information

Working group composed from:

Slovak Medical University

Institute of Biophysics Informatics and Biostatistics,
 Department of Toxic Organic Pollutants
 Department of Environmental Medicine
 Limbová 12
 833 03 Bratislava, Slovakia

Constantine The Philosopher University in Nitra

Faculty of Natural Sciences

Department of zoology and anthropology
 Nábrežie mládeže 91
 949 74 Nitra, Slovakia

Department of Ecology and Environmentalistics
 Tr. A. Hlinku 1, 949 74 Nitra, Slovakia

Slovak University of Technology in Bratislava

Faculty of Materials Science and Technology in Trnava
 Research Centre of Progressive Technologies,
 Hajdóczyho 1, 917 24 Trnava, Slovakia

Type of organisation:

Enterprise

<input type="checkbox"/> SME <input checked="" type="checkbox"/> Academic <input checked="" type="checkbox"/> Research institute <input type="checkbox"/> Public Body <input type="checkbox"/> Other:
Former participation in FP European projects? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Web address: http://eng.szu.sk/ http://www.en.ukf.sk/ http://www.mtf.stuba.sk/english.html?page_id=760
Description of the organisation: <p>Our group, recruiting scientists with complementary profiles from three universities, is studying various aspects of interaction between environment and human health. Our priority is environmental health with regard to pollution of the Slovak environment by various industrial and agricultural chemicals (phthalates, polychlorinated biphenyls, dioxins, metals, pesticides). Our program encompasses: Identification and determination of toxicants in various media (urine, cord blood, blood serum, breast milk, etc.). In human biomonitoring we focus on substances with endocrine disrupting properties. We focus on exposures during prenatal period and early infancy as well as exposures of vulnerable populations. We have experience in identification of dose-effect relationships between various types of environmental toxicants and diverse systems of the human body. We addressed many long-term and low-dose effects of physical, chemical, and biological factors impacting neurobehavioural, immunological, hormonal and genetic functions. The Slovak scientific working group is offering professionalism and expertise as participant in EU projects focusing mainly environmental health exposed to endocrine disruptors. We have work experience with hospitals, analytical, biochemical and genetic laboratories and biostatistics groups in Slovakia and abroad. We participated and coordinated EU, NIH and nationally funded projects. Our research data on environmental health issues have been published in world leading scientific journals as Environmental Health Perspectives, Environment International, Environmental Science and Technology and others. The main areas of our expertise include: Risk analysis and risk assessment, environmental monitoring, biomonitoring, exposure modeling and identification of exposure-effects relationships. Members of our scientific group have expertise in environmental medicine and a strong publications record in fields as environmental health, occupational health, biotechnology, analytical chemistry, etc.</p>

Target Partner Sought:

<input type="checkbox"/> Are you a coordinator of a project proposal looking for partners? <input checked="" type="checkbox"/> Are you looking for participation in project proposal as a partner?
Organisation details: <input checked="" type="checkbox"/> Enterprise <input checked="" type="checkbox"/> SME <input checked="" type="checkbox"/> Academic <input checked="" type="checkbox"/> Research institute <input checked="" type="checkbox"/> Public Body <input checked="" type="checkbox"/> Other:
Target Partner Country: <input checked="" type="checkbox"/> Any Country

<input type="checkbox"/> Third Country <input type="checkbox"/> Member State or Associated Country <input type="checkbox"/> Specific Country:

(*) Contact details

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(*) Mandatory

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