

PROJECT PARTNER SEARCH FORM

I offer my expertise to participate as a Partner in a Horizon Europe Project

I am planning to coordinate a project and I am looking for Project Partners

TOPICS OF INTEREST

Cluster *Digital, Industry and Space*

Destination 3 - World-leading Data and Computing Technologies

HORIZON-CL4-2023-DATA-01-02: Integration of data life cycle, architectures and standards for complex data cycles and/or human factors, language (AI, data and robotics partnership) (RIA)

HORIZON-CL4-2023-DATA-01-04: Cognitive Computing Continuum: Intelligence and automation for more efficient data processing (AI, data and robotics partnership) (RIA)

HORIZON-CL4-2024-DATA-01-01: AI-driven data operations and compliance technologies (AI, data and robotics partnership) (IA)

PARTNER INFORMATION

AS A PARTNER WE CAN OFFER

cooperation

- we are part of – Limbach Gruppe, the largest provider of laboratory diagnostic services in Europe operating laboratories in more than 15 countries together with its partners.
- with the largest Slovak universities and leading science-and-research institutions
- we operate 12 hospital laboratories, 3 cytology and biopsy laboratories as well as 20 sample collection points and centers for patients.
- we are the largest provider of laboratory diagnostic services in Slovakia
- we cooperate with large net of data analysts and bioinformatics

flexibility

- recruitment of new patients
- recruitment of new physicians and doctor in any field
- we collect big set of data from analyses, which we can provide in anonymized form for statistical processing

we are constantly involved in the development of new non-invasive diagnostic methods

- we proudly present the TRISOMY test, a unique Slovak methodology for the detection of trisomies
- dynamic methodology development, validation, interpretation and reporting of results

- Selected projects www.medirexgroupacademy.sk):
- PreveLYNCH - the research and development design focuses on the prevalence of Lynch syndrome in the Slovak population and the possibility of prevention of tumors associated with this syndrome.
- UAVLIFE - Research and development of the usability of autonomous aircraft in the fight against the pandemic caused by COVID-19
- Promedicov-19 - Research of progressive methods of diagnostics of COVID-19 and biomarkers enabling early detection of individuals at increased risk of severe course of the disease
- DIGITTRANS - digital transformation of clinical and laboratory procedures in health care. With use of AI, this complex experimental approach will make it possible to gather new results and knowledge about the receptivity of the endometrium, about the diagnosis and prediction of non-perceptive endometrium, which will contribute to increasing the success rate of IVF and improving the quality of life of patients.



Medirex (Joint-stock company) and Medicyt, Ltd. companies. (www.medirex.sk)



- these facilities examine samples of biological material from clinics all over Slovakia.
- laboratories bring together experts across all disciplines in laboratory medicine – clinical biochemistry, hematology, clinical immunology, etc.
- our central laboratories represent the largest laboratory facility not only in Slovakia but also in Central and Eastern Europe. Our labs operate automatic lines with a robotic system for sample analysis.



- our laboratories use technologies, such as MALDI-TOF, NGS (next generation sequencing) and arrayCGH in medical genetics, computer-assisted microscopy in cytological diagnostics (both conventional and LBC), liquid and gas chromatography, including mass spectrometry in biochemistry and toxicology.

MEDIREX GROUP ACADEMY n.p.o. (www.medirexgroupacademy.sk)



- focuses on research and development of new screening methods in the prevention of diseases and non-invasive tests in the diagnosis of diseases.
- as a scientific research institution, we are primarily focused on the search for new markers and procedures, especially in the field of medical genetics, molecular biology and proteomics.

and

TRISOMYtest, Ltd.



- the examination of chromosomal disorders of the developing fetus from the blood of a pregnant woman as early as the 10th week of pregnancy.
- TRISOMY tests are non-invasive prenatal screening tests designed to exclude selected foetal chromosomal abnormalities as early as in the first three months of pregnancy.
- ranks us among the small number of global laboratories that provide this type of test.

<input checked="" type="checkbox"/> Higher Education	<input checked="" type="checkbox"/> Research Institution	<input type="checkbox"/> Public Administration
<input checked="" type="checkbox"/> Industry /SME	<input checked="" type="checkbox"/> NGO	<input type="checkbox"/> Other: Please specify

Description of the (Research) Team

Gabriel Minárik, PhD. – Faculty of Natural Sciences, Comenius University, Ilkovičova 3278/6, 841 04 Bratislava
Molecular biology (graduated with a Ph.D.)



- NGS specialist
- **Projects:** Research into progressive diagnostic methods for COVID-19 and biomarkers enabling early detection of individuals at increased risk of severe course of the disease (PROMEDICOV-19); Preparation of a novel system for early and rapid detection, identification and diagnosis of new infectious diseases with pandemic potential - pilot study of COVID-19 (PANCO); COVID-19 and Non-Communicable Civilization Disease (Diacovid).

Michela Hýblová, PhD. – Faculty of Natural Sciences, Comenius University, Ilkovičova 3278/6, 841 04 Bratislava
Molecular biology (graduated with a Ph.D.)

<https://eraportal.sk/horizont-europa/>



- NGS specialist
- scientist responsible for extending current diagnostic methods to infectious agents with comparable clinical symptoms for rapid and efficient differential laboratory diagnostics, responsible for metagenomic sequencing of clinical samples to determine the complete genetic information of the virus for identification of the causative agent of the disease. Long-term focus is on next-generation sequencing (NGS) methodologies

Elena Tibenská, PhD. – Faculty of Natural Sciences, Comenius University, Ilkovičova 3278/6, 841 04 Bratislava
Molecular biology (graduated with a Ph.D.)



- Medical director of Medirex
- she founded the clinical immunology department at Medirex. Under her leadership, this department has become one of the largest and most modern laboratories in its field in Slovakia.
- she specializes mainly in flow cytometry, but also in the examination of autoantibodies, allergies and the development of diagnostics in reproductive immunology.

doc. MUDr. Pavol Janega, PhD. – Faculty of Medicine, Comenius University, Bratislava (graduated with a medicine doctor MUDr. and Ph.D.)



- the director of MEDIREX GROUP ACADEMY n.p.o.
- he focuses pre dominantly on the issue of cancer tissue transformation and identification of new potential diagnostic, prognostic and therapeutic biomarkers and problems of lifestyle diseases, pathology of the cardiovascular system, experimental hypertension and experimental neurodegeneration.
- he is a member of the Slovak Medical Chamber (SMC), a member of the committee of the Society of Pathologists of the SMC and the European Society of Pathologists, where he is a member of the working group for molecular pathology, pediatric and perinatal pathology.

Michal Kajsík, PhD. – Faculty of Natural Sciences, Comenius University, Ilkovičova 3278/6, 841 04 Bratislava
Molecular biology (graduated with a Ph.D.)



- NGS specialist
- scientist in the field of molecular biology and microbiology. As part of his specialization, he has long been working with bacteriophages, microorganism typization and advanced recombinant DNA techniques. He actively cooperates in the introduction of new diagnostic procedures capable of precisely defining infectious agents.

Potential role in the project

Research

Training

Dissemination

Other: **Product development expertise**

e.g. project leader, scientific coordinator, workpackage leader, product development expertise.

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Already experience as a	Coordinator	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	Partner	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	Expert Evaluator	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
CONTACT DETAILS			

Contact Person: Andrej Minich, PhD.

Organization: Medirex Group

City: Bratislava

Country: Slovakia

Phone: +421907 410 804

Email: Andrej.Minich@medirexgroupacademy.sk

Organization Website: www.medirex.sk

Contact Person Webpage:

Date: 15/Dec/2022

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