Partner Search Form
Horizon Europe
Health

Date | Deadline

CONTACT

Organisation	National Institute of Children's Tuberculosis and Respiratory Diseases (NÚDTaRCH) / Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava	**Department**	Clinic of Pediatric Tuberculosis and Respiratory Diseases
Contact person	MUDr. Peter Kunč, PhD. (Head of Clinic / Assistant Professor)	**Email**	peter.kunc@uniba.sk
City	Dolný Smokovec (High Tatras)	**Website**	www.nudtarch.sk / www.jfmed.uniba.sk
Country	Slovakia		

Organisation type

Research organisation type	☒ Research Organisation ☒ University ☐ Company ☐ Other	**Is your company a Small and Medium Sized Enterprise (SME*)?** **Number of employees: approx. 200–250 (institution-wide)**	☐ YES ☒ NO

Your enterprise is an SME if:
- it is engaged in **economic activity**
- it has **less than 250 employees**
- it has either an **annual turnover not exceeding €50M**, **or an balance sheet total not exceeding €43M**
- it is **autonomous**

For the definition of SMEs, look at: http://ec.europa.eu/growth/smes/business-friendly-environment/sme-definition_en

Short introduction of key areas of institute's research:

The Clinic of Pediatric Tuberculosis and Respiratory Diseases (NÚDTaRCH and Jessenius Faculty of Medicine, Comenius University) specializes in pediatric pneumology, clinical immunology, and allergology. Based on our recent peer-reviewed publications and ongoing clinical research, our core scientific focus areas include sublingual allergen immunotherapy (SLIT) mechanisms, mucosal immunity, and the modulation of airway and oral microbiome dysbiosis in pediatric and adolescent cohorts. We integrate advanced clinical diagnostics—including impulse oscillometry (IOS) and fractional exhaled nitric oxide (FENO) measurements—with translational biomarker analysis, investigating how local mucosal microenvironments, hormonal factors, and microbial shifts influence treatment adherence, local tolerability, and clinical outcomes in pediatric asthma and allergic multimorbidity.

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Former participation in an FP European project?	☒YES ☐NO
Project title / Acronym:	Testing and Experimentation Facility for Health/**TEF- Health**
Activities performed:	• Experimental development and testing of artificial intelligence solutions in large and sustainable real environments (primarily in hospitals). • Finding and evaluating procedures that simplify the introduction of new, intelligent technologies to the market. • In cooperation with digital innovation centres, ensuring easy access to technology assessments. • Optimization of investments and reduction of duplications when testing new technologies

Expertise / Commitment offered

Description of your expertise:	Comprehensive clinical and translational research expertise in pediatric respiratory diseases, allergology, and immunology. We provide access to specialized pediatric patient cohorts, advanced respiratory function diagnostics (impulse oscillometry), biological sampling for mucosal and microbiome analyses, and rigorous clinical trial coordination adhering to GCP standards. Our research specifically bridges clinical allergology with microbiome alterations and local mucosal inflammatory responses.
Keywords specifying your expertise:	• pediatric pneumology, clinical immunology, allergology, sublingual allergen immunotherapy (SLIT), oral/airway microbiome dysbiosis, mucosal immunity, trained immunity, pediatric asthma, impulse oscillometry (IOS), biomarkers.
Commitment offered:	☒Research ☐Demonstration ☐Training ☒Technology ☒Dissemination ☐Other: _____

Interested in participation in project types:	☒Research & Innovation Action	☐Innovation Action	☐EIC Pathfinder

Work Programme research areas: indicate your interest

We would like as partner in one of the following Horizon projects: HORIZON-HLTH-2027-01-DISEASE-10

Call topic(s): **HORIZON-HLTH-2027-01-DISEASE-10**

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Do you have other partners for this topic (which partners/country)?	-NO However, within our core clinical and translational research activities, we actively collaborate with international academic institutions, biomedical research centers, specialized pediatric respiratory clinics, and European scientific networks (including partners across Central Europe and EU member states), as well as national patient advocacy organizations and non-profit civic associations supporting children with asthma, severe allergies, and chronic respiratory diseases. Through these partnerships, we jointly conduct multicenter clinical and microbiome studies, evaluate patient-reported outcome measures (PROMs) and treatment adherence, and drive health literacy and research dissemination.

Profile of partner sought

Role	☒ technology development	☒ research	☒ training
	☒ dissemination	☐ demonstration	☐ other: _____
Country /region	☒ No specific geographical preference		
Expertise required	**Expertise required** • Academic or industrial partners with advanced capabilities in high-throughput sequencing (metagenomics/metatranscriptomics of airway and mucosal microbiota), bioinformatics data pipelines, or multi-omics integration to support clinical translational studies in pediatric respiratory immunology and immunotherapy. •		

I agree with the publication of my contact data: ☒ **YES** ☐ **NO**