

**Partner Search Form
Horizon Europe
Health**

Date

Deadline

CONTACT

Organisation	Pázmány Péter Catholic University	Department	Faculty of Information Technology and Bionics
Contact person	Franciska Erdő	Email	erdo.franciska@itk.ppke.hu
City	Budapest	Website	Faculty of Information Technology and Bionics Pázmány Péter Catholic University - University of Excellence (ppke.hu)
Country	Hungary		

Organisation type

Research organisation type	<input type="checkbox"/> Research Organisation	Is your company a Small and Medium Sized Enterprise (SME*)?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	<input checked="" type="checkbox"/> University		Number of employees:	
	<input type="checkbox"/> Company			
	<input type="checkbox"/> Other			

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:

Design, fabrication and development of biomicrofluidic devices
 Validation of skin-on-a-chip devices
 Replacement of animal experiments by in vitro organ-on-a-chip devices
 Testing topical drug penetration (e.g. comparison of different formulations, drug delivery, PK/PD studies), or cosmetic products for skin absorption
 Simulation of drug delivery through the skin
 Mathematical modelling

Former participation in an FP European project?

NO

Project title / Acronym:

Activities performed:

Expertise / Commitment offered

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Description of your expertise:

Our main research interest includes drug delivery through the physiological barriers. Development of new in vitro testing platforms for reducing the number of experimental animals.
Studying pathology of dermatological disorders, and aging, development of new therapeutic drugs, drug formulations, cosmetics and cosmetic ingredients. Our team includes engineers of molecular bionics and medical biotechnology, pharmacist/pharmacologist, biologist and electrical engineers.

Keywords specifying your expertise:

lab-on-a-chip, biomicrofluidics, dermatology, cosmeto-science, skin substituents, 3R rule, mathematical modelling, simulation of drug delivery, PK/PD studies, skin penetration, histology

Commitment offered:

Research Demonstration Training
 Technology Dissemination Other:

Interested in participation in project types:

<input checked="" type="checkbox"/> Research & Innovation Action	<input checked="" type="checkbox"/> Innovation Action	<input checked="" type="checkbox"/> EIC Pathfinder
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Work Programme research areas: indicate your interest

Health

Call topic(s):

EIC Transition Challenge: Full scale Micro-Nano-Bio devices for medical and medical research applications
TOPIC ID: HORIZON-EIC-2023-TRANSITIONCHALLENGES-01

Do you have other partners for this topic (which partners/country)?

Uni Tübingen, Germany

Profile of partner sought

Role

<input checked="" type="checkbox"/> technology development	<input checked="" type="checkbox"/> research	<input type="checkbox"/> training
<input type="checkbox"/> dissemination	<input type="checkbox"/> demonstration	<input type="checkbox"/> other _____

Country /region

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Expertise required

1. Coordinator of the consortium
2. IP and regulatory
3. Cell culturing, in vitro models
4. Molecular biology
5. Dissemination, communication
6. Pharmacy, drug formulation, nanotechnology etc

I agree with the publication of my contact data:

YES

NO