

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

HORIZON-HLTH-2027-01-ENVHLTH-02: Integrating climate-related exposures into the human exposome and characterising its changes in response to climate change.

PARTNER INFORMATION

Description of the Legal Entity

- | | | |
|---|--|---|
| ☐ Higher Education | ☒ Research Institution | ☐ Public Administration |
| ☐ Industry /SME | ☐ NGO | ☐ Other: <i>Please specify</i> |

Description of the (Research) Team:

My team has expertise in chemical exposome profiling. We have a hybrid PFAS assay that quantifies PFAS, mines the data for novel PFAS, and performs untargeted metabolomics profiling in a single assay. We also measure additional chemical exposures including phthalates, flame retardants, pharmaceuticals, etc using untargeted LC-HRMS. Our assays are amenable to all biosamples (tissues, blood, urine, etc). We have experience integrating our chemical exposome measures with survey data, clinical measures, and geospatial measures across health outcomes.

I lead laboratories located both in Israel and the United States with capabilities described here:
<https://www.petrickexposomelab.com/>

Expertise of the Team Leader

I have led multiple large-scale projects funded by the US National Institutes of Health and have an extensive publication record in exposome research. Most recently, my team was funded to perform an integrative exposome project, where we combine urban ambient exposures (NO₂, PM_{2.5}, temperature), greenness, population density with social exposures (cortisol, perceived stress, negative life events) and track biological response with metabolomics

<https://reporter.nih.gov/search/QAvUGMF4zke2isw0OxZ9uw/project-details/11417441>

I am thrilled to join European collaborations on the exposome.

Potential role in the project

☒ Research

☐ Training

☐ Dissemination

☐ Other: ***Please specify***

Already experience as a	Coordinator	☐ YES	☐ NO
	Partner	☐ YES	☐ NO
	Expert Evaluator	☐ YES	☐ NO

CONTACT DETAILS

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