PARTNER SEARCH FORM

Horizon Europe — Health

Date	Aug 4, 2026
Call deadline	Sept 22, 2027 (planned opening Jun 3, 2027 27)
Organisation	Agritech Center
Department	European Health & Digital Innovation
Contact person	Alexandra Badea
Email	alexandra@talentcenter.ro
City / Country	Bucharest, Romania
Website	Rebranding (under construction)
Organisation type	Company — Small and Medium-Sized Enterprise (SME): YES
Number of employees	To be confirmed
Former participation in an EU Framework Programme project	NO

Organisation and proposed initiative

Short introduction	Agritech Center is a Romanian SME developing European innovation initiatives at the intersection of artificial intelligence, digital transformation, applied research and human-centred adoption. It is the initiator of the LiverTwin concept and is currently building the European consortium.
Project acronym	LiverTwin
Call topic	HORIZON-HLTH-2027-03-TOOL-04 — Virtual Human Twins (VHTs) for integrated clinical decision support in prevention and diagnosis
Type of action	Research and Innovation Action (RIA)
Expected EU contribution	EUR 10–12 million per project

Project concept

LiverTwin aims to develop an explainable and clinically validated Virtual Human Twin for chronic liver disease, with chronic hepatitis B (HBV) as the first clinical use case. The VHT will integrate longitudinal clinical and virological data, molecular biomarkers, liver-function measures, imaging, treatment history and real-world monitoring to support patient-specific forecasting of disease progression and treatment response.

The proposed system will focus on clinically actionable predictions, including fibrosis progression, risk of cirrhosis, decompensation and hepatocellular carcinoma, response to existing therapy, and personalised monitoring needs. The project is intended as a clinical decision-support and prevention/diagnosis initiative; it is not a drug-development project.

Expertise and commitment offered

Description of expertise	Project concept development; consortium building and partner engagement; human-centred design; organisational and behavioural science; clinical stakeholder

	co-design; responsible AI adoption; training; communication, dissemination and exploitation planning.
Keywords	Virtual Human Twin; chronic liver disease; hepatitis B; clinical decision support; explainable AI; longitudinal health data; biomarkers; liver imaging; real-world evidence; personalised monitoring; human-centred design; stakeholder engagement.
Commitment offered	Research; co-design; training; dissemination; exploitation; consortium development; stakeholder engagement.
Interested project type	Research & Innovation Action (RIA)

Current consortium status

The consortium is at an early formation stage. One clinical partner has been confirmed: the National Institute for Infectious Diseases "Prof. Dr. Matei Balș" (Romania), which will contribute clinical HBV expertise. Additional partner coverage is already in place for regulatory expertise (Portugal), HTA and health economics (Hungary), and EU-level patient representation through an association based in Belgium; the partner names are intentionally withheld at this stage. The final scientific coordination model and the remaining partner roles will be agreed jointly as the consortium is completed. The consortium is actively seeking an experienced Horizon Europe coordinator, preferably a clinical or scientific institution with recognised expertise in hepatology, infectious diseases, Virtual Human Twins and multi-country clinical studies.

Profile of partners sought

Role sought	Preferred region	Expertise / assets required	Potential contribution
Coordinator — priority role	EU or Associated Country	Clinical or scientific institution with Horizon Europe coordination experience and strong expertise in hepatology, infectious diseases, VHTs and multi-country clinical studies.	Overall proposal coordination, scientific governance, clinical protocol leadership and consortium integration.
Additional clinical sites	Multiple European countries	Hospitals with chronic HBV/liver-disease cohorts, longitudinal follow-up, biomarkers, imaging, treatment history and outcomes.	Retrospective and prospective cohorts; external validation; clinical workflow integration.
Computational liver modelling	EU or Associated Country	Mechanistic, multiscale, ODE/FE or systems-biology modelling of liver physiology, fibrosis and liver–immune interactions.	Patient-specific VHT architecture and disease-stage simulation.
AI, data and interoperability	EU or Associated Country	Multimodal fusion, time-series and treatment-response modelling, federated learning, uncertainty quantification, FHIR/OMOP and EHDS alignment.	Predictive engine, data integration, privacy-preserving analytics and trustworthy AI.
Biomarkers, omics and imaging	EU or Associated Country	HBV virology, molecular/immune biomarkers, genomics, radiology, elastography, quantitative liver imaging and assay harmonisation.	Biomarker selection, feature extraction and analytical validation.

Collaboration expectations

- Partners should contribute to the joint scientific design and provide evidence of relevant expertise, data access or technical assets.
- Clinical partners should be able to document cohort characteristics, data governance status and realistic validation capacity.
- The consortium aims for balanced geographical coverage across EU Member States and Associated Countries.
- Roles, work packages and budgets will be co-developed with selected partners during proposal preparation.

Publication consent

Contact-data publication	YES — I agree to the publication and circulation of the contact details included in this partner-search profile through the European NCP Health network.
Primary contact	Alexandra Badea | alexandra@talentcenter.ro