

3rd Open Call for Proposals	
Project code	ROHU-339
Project title	HEALTH-PREGN-RO-HU - Romanian-Hungarian cross-border project with a wider focus on diagnostics related to infertility, healthy pregnancy and new-born care
Priority axis	4 - Improving health-care services (Cooperating on health-care and prevention)
Investment priority	9/a - Investing in health and social infrastructure which contributes to national, regional and local development, reducing inequalities in terms of health status, promoting social inclusion through improved access to social, cultural and recreational services and transition from institutional to community-based services
Implementation period	32 month (May 1, 2021 – December 31, 2023)
Objective	The main overall objective is to improve screening, diagnostic and preventive health care services in microbiology and human genetics aiming infertility, increasing maternal age, preconceptional, prenatal and postnatal diagnostics in the Romanian-Hungarian cross-border area, through a strategic approach by investing in medical diagnostic infrastructure, including laboratory reconstructions, upgrading equipment and implementing new methods and by sharing experience, transferring knowledge and exchanging know-how between the cooperating partners for the benefit of large patient populations and for reducing healthcare inequalities.
Partnership	Lead Beneficiary: University of Szeged (Hungary)
	Project Partners: PP2:Government Office of Csongrád-Csanád County (Hungary) PP3:Emergency County Clinical Hospital Pius Brinzeu Timisoara (Romania)
TOTAL Budget	€ 2,492,080.65 out of which ERDF € 2,118,268.55
Summary	The project ROHU-339 aims to contribute to equalising the healthcare services level across the eligible area and to bring them to an appropriate level. The main activities implemented within the project: <ul style="list-style-type: none"> - elaboration of the design for the renewal and development of the genetic laboratories of the Department of Medical Genetics - purchase of equipment for 7 healthcare departments in order to optimize bacteriological, serological and genetic testing

	<ul style="list-style-type: none"> - acquisition of IT equipment for management activities - implementing and improving new cytogenetic methods including FISH in the prenatal and postnatal diagnostics - Implementing and improving new molecular genetic methods including MLPA in the genetic diagnostics - Improving molecular microbiological investigations and traditional culture methods - Improving existing services and providing continuous availability of flow cytometric tests - Developing a methodology to monitor the acyclovir resistance of HSV-1 and HSV-2 - Introducing state-of-the-art methods in diagnostics of hepatitis B and syphilis infections in the case of pregnant - know-how exchange on state-of-the-art methods in Microbiological and Genetic Screening and Diagnostic in infertility, maternal and fetal health by organizing conferences and training in Timisoara - Hands-on training related to the use of the purchased equipment for genetic screening and diagnostics organized in Timisoara - Hands-on training related to the use of the purchased equipment for microbiology screening and diagnostic organized in Timisoara - Introducing state-of-the-art methods in microbiologic and genetic screening and diagnostics and development of appropriate work protocols - exchange of experience activities – 8 medical workshops - elaboration of a Study on the Regional Microbiologic and Genetic Profile of Infertility <p>The Programme Output Indicators are „9/a 1 Population having access to improved health services” and „9/a 2 Number of health-care departments affected by modernized equipment”. Through project ROHU – 339 a number of 1,623,037 persons benefit from improved health care services and a number of 7 health-care departments are more efficient using modernized equipment.</p>
<p>Main results</p>	<p>The main results of the project are:</p> <ul style="list-style-type: none"> • 7 healthcare departments modernized in order to optimize bacteriological, serological and genetic testing for primary prevention, screening and diagnosis for people with infertility problems, miscarriages, women with infectious pathology during a normal pregnancy, or new-borns with infectious or genetic pathology resulting from these pregnancies • new state-of-the-art methods in microbiologic and genetic screening and diagnostics, in diagnostics of hepatitis B and syphilis infections in the case of pregnant

- **a methodology** to monitor the acyclovir resistance of HSV-1 and HSV-2
- **1 Study** on the Regional Microbiologic and Genetic Profile of Infertility

Website: <https://healthy-pregnancy-rohu.eu/>