



PRESCRIPTION OF TAILORED PHYSICAL EXERCISE FROM THE INTEGRATION OF OMICS, CLINICAL AND LIFESTYLE DATA TO PREVENT CARDIOVASCULAR DISEASES



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Budget approved: 30,000 Euros

Duration: 24 Months (1/1/2024 – 31/12/2025)













Objectives

- 1.Developing and evaluating a tailored health promotion through the physical exercise
- 2.Defining and validating personalized preventive pathways for individuals with different cardiovascular risk levels
- 3.Generating new knowledge about tailored physical exercise from a holistic and interdisciplinary point of view.
- 4. Carrying out a proof of concept to analyze methodology and results to refine the proposal for a future European research call.
- 5.Strengthening relationships between partners to create a robust Exercise and Wellness research network.
- 6.Promoting the research training of young graduates by their participation in the project with internships.

Work packages







- WP 1: Project coordination, management, and control
- WP 2: Determination of cardiovascular risk stratification
- WP 3: Development and evaluation of tailored exercise programs
- WP 4: Definitive proposal for EU calls and dissemination

Experimental design Pre Intervention Post **Familiarization** (24 weeks, 3d/w) Exercise technique risk evaluation risk evaluation Control (CON) Worload Low-intensity Assessment tes Assessment tes aerobic training training (MI-AEB High-intensity aerobic training (HI-AEB) Keep lifestyle and diet EU SK GREEN

Intelectual outputs



- > Systematic review and meta-analysis
- > Study protocol



> Full proposal submissionl:

Joint Transnational Call for Proposals (2024) Innovate to Prevent: Personalised Prevention in Health and Care Services (THCS Grant 101095654)



