

Programme: ESIF

Project Start Date: 17/02/2020

Project Duration: 46 months

Project ID: KK.01.2.1.02.0173

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Project value: 41.486.649,38 HRK



Co-funded by
the European Union



Operational programme
**COMPETITIVENESS
AND COHESION**



EUROPEAN STRUCTURAL
AND INVESTMENT FUNDS

Clinical and Molecular Phenotyping of Osteoarthritis: A Personalized Approach to Diagnosis and Treatment

Increasing the Development of New Products and Services Arising from Research and Development Activities – Phase II

Osteoarthritis is a complex and heterogeneous disease that affects millions of people worldwide, yet current diagnostic and treatment approaches remain limited. This project aims to revolutionize the way osteoarthritis is diagnosed and treated by integrating clinical and molecular phenotyping into a personalized healthcare approach.

Through advanced molecular analysis, the project seeks to identify specific biomarkers that can provide deeper insights into disease progression and patient response to treatment. By leveraging state-of-the-art technologies and data-driven methodologies, this research will pave the way for targeted therapies, improved early detection, and more effective disease management strategies.

The project is conducted in collaboration with leading research institutions and industry partners, ensuring a multidisciplinary approach that combines scientific innovation with real-world clinical applications. The ultimate goal is to enhance patient outcomes by enabling personalized treatment plans tailored to individual disease profiles.