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svkatarina.hr/istrazivanje-razvoj/pain-omics

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PAIN-OMICS

Multidimensional Omics Approach to Stratification of Patients with Lower Back Pain

The PAIN-OMICS project is a large collaborative research program funded by the European Union under the FP7-HEALTH-2012 initiative. The primary objective of the project is to improve the stratification of patients with lower back pain (LBP) using a multidimensional omics approach. This innovative project combines a variety of omics technologies, such as genomics, proteomics, metabolomics, and transcriptomics, to identify novel biomarkers and mechanisms associated with the condition.

The project aims to improve the understanding of the molecular and cellular pathways that contribute to LBP, which is a major health concern globally. By identifying distinct patient subgroups based on their molecular profiles, the project seeks to enable more personalized treatment strategies and better management of LBP. The research is expected to provide valuable insights into the development of targeted therapies for LBP, leading to improved outcomes for patients suffering from this widespread condition.

PAIN-OMICS is designed to integrate cutting-edge scientific research with clinical practice, offering the potential to revolutionize the way lower back pain is diagnosed and treated, ultimately improving quality of life for patients.