An avatar-eNabled persoNalised apprOach to meTabolic dysfunction-Associated steaTotic livEr disease (ANNOTATE)

Una Europa Seed Funding Call 2025

Abstract

Metabolic dysfunction–associated steatotic liver disease (MASLD) affects nearly 40% of adults worldwide. It hits disadvantaged communities hardest and places a heavy burden on health systems and society. With only two drugs currently licensed for advanced disease, a major treatment gap remains. Progress is also hampered by the wide variation in how MASLD presents, which makes it difficult to identify patient subgroups with shared therapeutic targets and to predict who will respond to treatment.

The ANNOTATE exchange programme will address these challenges by combining data science and artificial intelligence (AI) with clinical research and education. An interdisciplinary team will develop a comprehensive research plan that merges multiple data types—clinical, imaging, molecular, and lifestyle—into robust, AI-driven tools for patient stratification. These tools will support precision healthcare by guiding targeted pharmaceutical and nutritional interventions.

By applying state-of-the-art AI methods, the initiative aims to deliver more personalised and effective treatment strategies for MASLD, while tackling both the scientific complexity of the disease and its broader societal impact.

Project Coordinator
Lucia Bandiera
University of Edinburgh
lucia.bandiera@ed.ac.uk

Participating institutions
University of Edinburgh
Alma Mater Studiorum - Università di Bologna
University College Dublin/An Coláiste Ollscoile Baile Átha Cliath
Helsingin Yliopisto/Helsingfors Universitet
KU Leuven
Universidad Complutense de Madrid

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