A CURA DI



European Union's HORIZON-HLTH-2022-STAYHLTH-02 program under grant agreement no. 101095672



## HORIZON EUROPE PROJECT PRAESIIDIUM

Real-Time prediction of prediabetes risk

## **SPECIAL ISSUE**



Graphics by Natalia Rosso



HORIZON EUROPE PROJECT **PRAESIIDIUM** Real-Time prediction of prediabetes risk

## **PRAESIIDIUM Special Issue**

By Fiorella Operto, Scuola di Robotica

We are pleased to launch a **Special Issue entirely dedicated to PRAESIIDIUM**, a project funded by the **Horizon Europe** program. This bilingual publication (Italian and English) will be widely disseminated through the websites and newsletters of project partners and stakeholders, aiming to reach a broad and diverse audience.

The goal of this Special Issue is to communicate **PRAESIIDIUM's innovative contributions** in an accessible and engaging way—making complex topics understandable even to non-specialists.

Articles will be published **monthly**, authored by project partners, and will explore the various facets of PRAESIIDIUM—an ambitious initiative focused on the **prevention of type 2 diabetes**, a disease that represents the **second leading cause of death globally** and causes significant suffering when not fatal.

PRAESIIDIUM adopts a **groundbreaking approach**: identifying the key biological, biochemical, and clinical indicators of the **prediabetic phase**—the critical transition from health to disease. The project aims to deliver **personalised**, **actionable recommendations** to help individuals adjust their nutrition and physical activity habits, thereby reducing the risk of developing the disease.

The Special Issue will also feature a **series of interviews with project partners**, who will share insights into their roles, the challenges they face, and the objectives they are working toward. Topics will include the use of **Artificial Intelligence for early disease prediction**, the integration of **medical technologies in healthcare**, and the evolving role of clinicians in a tech-enhanced environment.

Special attention will also be given to **ethical considerations**, particularly how PRAESIIDIUM ensures that technological advancement goes hand in hand with **respect for human dignity** and patient-centered values

In the articles, the project partners will present their roles, the challenges they face, and the goals of their work. They will discuss the use of Artificial Intelligence and predictive models for the early detection of type 2 diabetes; the role of digital medical technologies that incorporate AI; and the central importance of physicians in a context where technological innovation is increasingly present. Ethical issues will also be addressed, emphasizing how the **PRAESIIDIUM** project places the respect for patients' humanity at the heart of every action.