



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



Dipartimento di
Tecnica e Gestione
dei sistemi industriali

Phd Program in Management Engineering and Real Estate Economics



GENOMIC GENETIC AND
BIOLOGY INNOVATION POLE



Offer: Fully funded PhD scholarship

Title: Optimization and Efficiency Improvement of Healthcare Systems with a Focus on Cancer Diseases Through Artificial Intelligence Methods

Description: Early cancer detection is a strategic priority for improving clinical outcomes and optimizing healthcare efficiency. Fast, accurate, and cost-effective solutions can reduce late-stage treatment costs and enhance patient management. Developing a scalable AI-integrated solution for predictive, prognostic, and diagnostic liquid biopsy analysis, leveraging NGS, presents an opportunity to create economically sustainable and scalable healthcare models.

Classification: full-time employee

Duration: 3 years

Deadline for application: 13th May 2025 at 1:00 PM (CEST)

Starting date: 1st November 2025

For any further specific inquiry, please refer to

- Prof. Luigi Salmaso - PhD Program Coordinator
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- Prof. Marta Disegna - PhD Program Vice-Coordinator
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