

Biography of Lucia Iafrate

Lucia Iafrate is a young researcher with a strong interest in regenerative medicine, biomaterials, and biofabrication. She earned her master's degree in biomedical engineering for cells, tissues, and biotechnology from the Politecnico di Milano in april 2022 and began her academic and professional career as a research fellow at the Istituto Italiano di Tecnologia (IIT) in february 2024.

Currently, Lucia is engaged in cutting-edge research projects in tissue engineering, with a particular emphasis on 3D bioprinting using materials derived from decellularized bone and vessel matrices for bone tissue engineering. She has also expanded her research to include the 3D bioprinting of innovative animal-free bioinks for modeling bone pain with bone and neuronal cells, providing an ethical and sustainable approach.

Lucia is dedicated to developing innovative solutions for bone, vascular, and neuronal regeneration, pushing the boundaries of regenerative medicine and creating new therapeutic opportunities.