

Luana Forleo earned her Master's degree in Biology from the University of Pavia in 2021. She is currently a second-year PhD student in Translational Medicine at the University of Milan and conducts her research at LABION – Laboratory of Nanomedicine and Clinical Biophotonics, part of Fondazione Don Carlo Gnocchi Onlus.

Her research focuses on chronic pulmonary diseases (CPDs), including chronic obstructive pulmonary disease (COPD), asthma, obstructive sleep apnea syndrome (OSAS), and idiopathic pulmonary fibrosis (IPF). She applies Raman spectroscopy (RS), an innovative, non-invasive technique, on salivary samples to explore the biochemical signatures of these respiratory conditions and to distinguish pathological features from physiological ones, thereby differentiating healthy from non-healthy subjects.