

Federico SERPE – CV

Federico Serpe graduated in Electrical engineering (BSc) and in Biomedical engineering (MSc) from Roma Tre University in 2017 and 2020, respectively. During his master studies, Federico participated in the Erasmus+ program at the Norwegian University of Science and Technology (NTNU) in Trondheim. For his master thesis project, he collaborated with the Italian Institute of Technology (IIT) for the realization of an *in vitro* model of the Blood-Brain Barrier (BBB) by seeding and culturing endothelial cells within a dedicated microfluidic device. Currently, he enrolled in the PhD program of Theoretical and Applied Mechanics at La Sapienza University working in collaboration with the IIT at Center for Life Nano- and Neuro-Science (CLN2S) in Rome. His project is focused on the realization and integration of a microfluidic printhead onto a 3D bioprinter for the fabrication of *in vitro* models for drug delivery and disease modelling purposes.