

Simone Monti

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PhD student

Project title: *“Development of dynamic 3D and 4D in vitro models for the preclinical screening of solid and blood tumor”*

Supervisors: Prof. Giulia Scalet and Prof. Natalia Simona Pellegata.

Co-supervisors: Dott. Lorenzo Bonetti.

Reviewer: Prof. Ornella Cazzalini.

Education

April 2025 - Present PhD student in Genetics, Molecular and Cellular Biology, Department of Biology and Biotechnology “L. Spallanzani”, University of Pavia, XLI Cycle.

October 2023 – July 2025 Master’s Degree in Experimental and Applied Biology-Biomedical and Molecular Sciences (LM-6), University of Pavia. Thesis: “Preliminary study to evaluate apoptosis in human cells expressing a mutated form of DDB2 protein”. Supervisors: Prof. Ornella Cazzalini and Prof. Paola Perucca. Final grade: 110/110 *cum laude*.

September 2020 - September 2023 Bachelor’s Degree in Biological Sciences (L-13), University of Pavia. Thesis: “Evaluation of the efficacy of the RNA interference protocol using Western blot”. Supervisors: Prof. Paola Perucca and Prof. Ornella Cazzalini.

September 2015- June 2020: High school diploma in Liceo Scientifico P. Bottoni, Milano.

Technical skills

Cell culture: maintaining of a wide range of mammalian cell lines (adherent and suspension) and induction of cell differentiation.

Proteins analysis: Western blot, Flow cytometry, immunocytochemistry, proteome profiler array, RNA interference by siRNA, ELISA.

Analysis of pathological histological samples.