



● WORK EXPERIENCE

🏢 UNIVERSITÀ DEGLI STUDI DI ROMA "LA SAPIENZA" – ROMA, ITALY

RESEARCH FELLOW (RESEARCH GRANT HOLDER) – 01/08/2025 – 31/01/2026

- Project title: "Use of correlative mode microscopy techniques for structural, morphological, compositional and functional analysis of innovative materials for energy transition"
- Supervised by: Prof. Marco Rossi

🏢 LABORATOIRE DE MÉCANIQUE & GÉNIE CIVIL (LMGC), UNIVERSITÉ DE MONTPELLIER – MONTPELLIER, FRANCE

INTERN IN BIOMECHANICS - ERASMUS + FOR TRAINEESHIP – 15/10/2024 – 31/03/2025

- Performed mechanical and microstructural characterization of fibrous PCL-based hydrogel biomaterials for tissue engineering applications
- Conducted multiscale mechanical testing (tensile and extension-inflation) to evaluate macroscopic behavior and microscale structural properties
- Acquired and analyzed advanced imaging data using optical coherence tomography (OCT) to assess morphology and internal architecture of fiber-reinforced hydrogels

🏢 PAPA GIOVANNI XXIII HOSPITAL – BERGAMO, ITALY

QUALITY ENGINEER - CURRICULAR TRAINEESHIP – 15/09/2020 – 15/01/2021

- Investigated the EFI accreditation process implemented by the Transplant Immunology and Immunogenetics Laboratory
- Developed a process optimization model to ensure compliance with quality standards required for accreditation maintenance

● EDUCATION AND TRAINING

2021 – 2024 Padova, Italy

MASTER DEGREE IN BIOENGINEERING Università degli Studi di Padova

Final grade 107/110 |

Thesis Caratterizzazione del comportamento tribologico di cartilagine artificiale a base di alcool polivinilico (Characterisation of the tribological behaviour of polyvinyl alcohol-based artificial cartilage)

Links <https://openbadges.bestr.it/public/assertions/kOdOS-fcRHGQSJ463PKwAA> | <https://openbadges.bestr.it/public/assertions/w674WriSQy-9BsFVc5QJtw>

2018 – 2021 Bergamo, Italy

BACHELOR'S DEGREE IN HEALTH TECHNOLOGY ENGINEERING Università degli Studi di Bergamo

Final grade 95/110 |

Thesis Accreditamento EFI, limiti e opportunità del processo" (EFI Accreditation, shortcomings and opportunities of the process)

Link <https://openbadges.bestr.it/public/assertions/uLp7YNuBT6qpDj1jeyAWgg>

2013 – 2018 Bergamo, Italy

TECHNICAL EDUCATION DIPLOMA – SPECIALIZATION IN BUSINESS AND ECONOMICS AND INFORMATION SYSTEMS Istituto Superiore Bortolo Belotti

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2
FRENCH	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● SKILLS

Microsoft office

Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Microsoft Access

Programming languages

MATLAB | Python (computer programming) | Visual Basic

Other software

FEM Abaqus | Solid Edge, Solid Works, AutoCad | MeshLab Software | Fiji/ImageJ

● DRIVING LICENCE

Driving Licence: B

● CONFERENCES AND SEMINARS

06/07/2025 – 09/07/2025 Zurich

30th Congress of the European Society of Biomechanics

Podium presentation of the abstract “Mechanical behaviour of PCL-based hydrogel scaffolds for tissue engineering applications”
(presenting author)

Link <https://drive.google.com/file/d/1UhU3Zph-TktNjUPGco3ROqYFf0IcXt8c/view?usp=sharing>