

ING. GIANLUCA CIARLEGLIO

Biomedical Engineer

Place and date of birth: Atripalda, 13nd January 1996

Nationality: Italian

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PROFESSIONAL EXPERIENCE

➤ Biomedical Engineer – Erbagil s.r.l.

Development, optimization, and implementation of biomaterials. Conduct laboratory testing protocols. Document, analyze primary data, and report experimental results to the project team.

Rome, Italy *January 2022 – Present*

➤ Stage in Technical Operations – The Janssen Pharmaceutical Companies of Johnson & Johnson

Lead cleaning validation projects to ensure readiness of new equipment and product introductions on the production lines in line with Validation Master Plan and drive communication with stakeholders
Manage change of control, deviations and quality investigations in the Technical Operations department in collaboration with Quality Assurance (QA) department.

Latina, Italy *May 2021 – November 2021*

➤ Internship - Sapienza University of Rome

Rome, Italy *2019-2020*

EDUCATION

➤ PhD Student in Electrical, Material and Nanotechnology Engineering – Sapienza University of Rome

Rome, Italy *November 2021 – Present*

➤ Abilitazione all'esercizio della professione di Ingegnere

Rome, Italy *3rd December 2021*

➤ Biomedical Engineering Master's degree

Rome, Italy *March 2021*

Sapienza University of Rome, Faculty of Civil and Industrial Engineering

"Synthesis and characterization of conductive hydrogels containing carbon nanotubes for applications in cardiovascular tissue engineering."

Final grade: **110/110**

➤ Clinical Engineering Bachelor's degree

Rome, Italy *November 2018*

Sapienza University of Rome, Faculty of Civil and Industrial Engineering

"Protocol for 3D processing of microtomographic scans: comparison between voxel-based and surface mesh-based algorithm."

OTHER COURSES

- Six Sigma Yellow Belt Training
- Mini-Course MDR 2017/745
- Lung ventilation, natural & mechanical
- MATLAB Onramp
- 6 National Conference of the FORM, ISS

Released certificate by Supply Chain Academy *July 2021*
Released certificate by Easy Medical Device in *April 2020*
Released certificate by Hamilton Medical AG in *May 2020*
Released certificate by MathWorks in *April 2020*
Released certificate by ISS in Rome *2019*

IT SKILLS

- Excellent knowledge of Office Programs
- ImageJ
- OriginLab
- Matlab

LANGUAGES

ITALIAN: Mother Tongue
ENGLISH: B2
FRENCH: A2

TECHNICAL AND SCIENTIFIC SKILLS

- Synthesis of polymeric biomaterials
- Design and development of nanostructured composite biomaterials
- Thermal analysis of polymeric/composite materials by differential scanning calorimetry (DSC)
- Chemical property analysis by FTIR spectroscopy
- Scanning electron microscopy (SEM) and optical microscopy
- Analysis of electrical properties by Electrical Impedance Spectroscopy (EIS)
- Analysis of surface wettability and surface free energy by contact angle contact angle

Pursuant to Reg. UE 679/2016 and D.lgs. 196/2003, I authorize the use of my personal and professional data as I reported in my resume.