



Marco Bellotti

Address: Via Rossini 7, 27026, Garlasco, Italy

Email address: bellottimarco1996@gmail.com

Email address: marco.bellotti01@universitadipavia.it

Phone number: (+39) 3339913042

LinkedIn: <https://www.linkedin.com/in/marco-bellotti-53a7681bb>

Date of birth: 22/07/1996 **Nationality:** Italian

EDUCATION AND TRAINING

[10/2022 – Current] **PhD student in Bioengineering, Bioinformatics and Health Technologies (38th Cycle)**

Università di Pavia, Italy

[30/09/2019 – 26/04/2022] **Master Degree in Biomedical Engineering**

Università degli Studi di Pavia, Italy

Final grade: 110/110 cum Laude

Thesis: Design and prototyping of a microfluidic device for the generation of nanoparticles.

Main subject / occupational skills covered:

CFD Simulations , development of IoT applications , design and prototyping of a device, 3D Printing, microfluidics, polymeric nanoparticles production with microfluidic approach
Advisor: Prof. Ferdinando Auricchio

[23/09/2015 – 23/09/2019] **Bachelor Degree in Biomedical Engineering**

Università di Pavia, Italy

Final grade: 100/110

Thesis: Costampa 3D di PCL e idrogel per rigenerazione di tessuti.

Main subject / occupational skills covered:

Biomedical Engineering, 3D Printing, Scaffolds, G-Code.
Advisor: Prof. Michele Conti

WORK EXPERIENCE

[06/2022 – 09/2022] **Research Activity**

Università degli Studi di Pavia

City: Pavia

Country: Italy

Main activities and responsibilities:

Research activity in numerical and experimental optimization of a low-cost implantable patient-specific device

[09/2018 – 01/2019] **University Tutor: Strumentazione Biomedica**

Università degli Studi di Pavia

City: Pavia

Country: Italy

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 READING C2 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

DIGITAL SKILLS

My Digital Skills

Numerical Analysis packages

Simulia Abaqus | MathWorks MatLab | ANSYS Workbench | ANSYS Fluent | Wolfram Mathematica and Wolfram Alpha

Programming languages

R | C | SQL | Python | HTML | ARDUINO | Matlab

Image Processing

Image J | 3D slicer

CAD packages

Auodesk package | SolidWorks

Post-processing software

CFD-Post 2021

Statistical Analysis

GraphPad Prism, GraphPad Software Inc.

Operating Systems

Windows | Unix

CONFERENCES AND SEMINARS

[13/06/2022] **Workshop "Research and Nanomedicine"** Pavia

Speaker

[29/11/2020 – 02/12/2020] **N4M2020** Genova

Participant

CERTIFICATIONS

[07/2022] **State Exam Industrial Engineering - Sec. A**

03/10/2022



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