

GIULIA MARIA DI GRAVINA

E-mail giuliamaria.digravina01@universitadipavia.it
Citizenship Italian
Date of birth 19 September 1995

Work experience

Dates from 11-2020
Place University of Pavia
Occupation or position held **Ph.D. Candidate in Bioengineering**

Dates from 05-2020 to 10-2020

Place Section of Stem Cell and Regenerative Medicine, Paolo De Coppi's Lab; Great Ormond Street Institute of Child Health, research center affiliated with University College London (UCL) and Great Ormond Street Hospital for Children; London, UK

Occupation or position held **Postgraduate research assistant**

Main activities and responsibilities Development and validation of new bioreactors for tissue engineering applications

Education and Training

Higher education

Dates from 11-2020
Name and type of institution providing education and training **University of Pavia** (Pavia, Italy)
Education/training program **Ph.D. Program in Bioengineering, Bioinformatics, and Health Technologies**

Dates from 09-2017 to 04-2020
Name and type of institution providing education and training **Politecnico di Milano** (Milano, Italy)
Title of qualification **Master's Degree (M.Sc.)**
Subject of study Biomedical Engineering – path in: Cells, Tissues, and Biotechnology
Final grade 110/110
Thesis Title Development of novel perfusion bioreactors for the engineering of a universal liver – conducted at UCL Great Ormond Street Institute of Child Health, London, UK (Paolo De Coppi's Lab)

Dates from 10-2014 to 07-2017
Name and type of institution providing education and training **Politecnico di Milano** (Milano, Italy)
Title of qualification awarded **Bachelor's Degree (B.Sc.)**
Subject of study Biomedical Engineering
Final grade 110/110 cum laude
Thesis Title Molecular structure of lubricin

Dates from 09-2009 to 07-2014

Name and type of institution providing education and training
 Title of qualification awarded
 Final grade

Liceo Scientifico Statale "A. Volta" (Milano, Italy)
High School Diploma
 84/100

Studies abroad

Dates
 Names and address of university
 Type of employment
 Main activities and responsibilities

from 03-2019 to 03-2020
 Section of Stem Cell and Regenerative Medicine (De Coppi's Lab); **Great Ormond Street Institute of Child Health**, research center affiliated with University College London (**UCL**) and Great Ormond Street Hospital for Children; London, UK
 Visiting master student
Master thesis project: research activity related to the development of a perfusion bioreactor for liver tissue engineering

Other learning activities (extra-curricular projects)

Dates
 Name and type of institution providing education and training
 Type of project
 Award
 Date
 Name and type of institution providing education and training
 Type of project

from 15/07/2016 to 16/07/2016
NECSTLab – DEIB department of Politecnico di Milano
Xilinx Hackathon 2016: a 48-hours challenge on designing a biomedical device based on the use of sensors and coding with Python. My team and I realized a sensorized toy (Mama Koala) for hospitalized children
 Best talk
 from 04-2016 to 07-2016
NECSTLab – DEIB department of Politecnico di Milano
PathoChromo: development of a code finalised for emotion detection in children affected by Asperger syndrome

Languages

<i>Mother tongue / Other</i>		<i>CEFRL Level</i>
Italian		-
	English	upper intermediate C1
	German	low intermediate A2

Certifications

Language
 Certification name
 Date
 Score

English
 TOEIC (Test Of English for International Communication): Listening and Reading
 09-2017
 850/990 (Level C1)

Awards

Dates
 Grant
 By
 Dates
 Grant
 By

06/05/2019
 Scholarship **"Thesis abroad – 2018/2019", second call**
 Politecnico di Milano
 23/06/2016
 Scholarship **"The best freshmen – 2014/2015"**
 Politecnico di Milano

<p>Conferences & workshops</p> <p>Participant</p> <p><i>Dates</i> 31/10/2019</p> <p><i>Name of the seminar</i> Liver regenerative medicine and tissue engineering</p> <p><i>Place</i> Institute of Hepatology (London, UK)</p>	
<p>Competences</p> <p>Computer skills</p> <p>Technical skills</p> <p>Social skills</p> <p>Organisational skills</p>	<p><u>Programming languages</u>: Matlab; Python; R</p> <p><u>CAD software</u>: Solidworks</p> <p><u>CAM software</u>: ArtCam; VLS; Fusion 360</p> <p><u>Other software</u>: ANSYS Fluent; ImageJ; HyperChem; CES; Adobe Illustrator</p> <p><u>Manufacturing skill</u>: CNC milling machine; Laser Cutter machine</p> <p><u>Laboratory skill</u>:</p> <ul style="list-style-type: none"> - 2D and 3D cell culture; - Decellularization and recellularization protocols; - Bioreactors; Perfusion systems; - H&E staining; Immunofluorescence staining; Cryostat; Confocal microscope <p>Excellent ability to team-work; good capacity to communicate in public contexts acquired in university during the development and exposition of individual/group projects, and in the extra-university field; always open and interested to acquire new scientific knowledge and skills</p> <p>Well-developed critical thinking and problem-solving; Strong motivation to reach the goals; Flexibility</p>
<p>Additional information</p> <p><i>Dates</i> from January 2017</p> <p><i>Place</i> Municipality of Milano, Italy</p> <p><i>Type of business or sector</i> Civil service</p> <p><i>Occupation or position held</i> Electoral seat scrutineer</p> <p><i>Main activities and responsibilities</i> Registrations of voters, description of the rules, bureaucratic management, counting of the ballot papers</p>	