

Curriculum vitae

PERSONAL INFORMATION

Name and Surname **Giulia Montagna**

Date of birth (dd/mm/yyyy) 07/01/1995

Nationality Italian

Permanent Address Via F.lli Cairoli, 11, 27035 Mede (PV) - Italy

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EDUCATION, TRAINING AND PROFESSIONAL EXPERIENCES

October 2016 - October 2018 (2 years) **Master Degree in Molecular Biology and Genetics**
University of Pavia - Italy

Theoretical bases of biomolecular, genetic, biochemical and biophysical laboratory techniques, focused on the deep knowledge and the manipulation of genetically modified organisms and recombinant molecules.

November 2016 - October 2018 (2 years) **Internship at Molecular Medicine department**
Prof. Livia Visai
University of Pavia - Italy

Skills acquired:

- Osteosarcoma cell line (Saos-2) and human bone marrow-derived mesenchymal stem cells (hBM-MSCs) culture
- Mineralisation and matrix deposition assays
- Bone tissue decellularisation procedure
- Basic 3D culture protocol
- Metabolomics samples preparation procedure

March 2018 - July 2018 (5 months) **Visiting master student**
University of Glasgow, Scotland - UK

Centre for Cell Engineering, Joseph Black Building- University Avenue, Glasgow - G12 8QQ
Prof. Matthew Dalby

We developed a monoculture of hBM-macrophages and an *in vitro* co-culture as bone remodelling system for HANPs biological analysis.

Skills acquired:

- Cell depletion from bone marrow and blood samples
- Primary monocytes/macrophages/osteoclast precursors (OCPs) culture
- RT-qRT-PCR
- In cell western protocol
- HBM-MSCs / OCPs direct co-culture
- Very basic knowledge of IPA (Ingenuity Pathway Analysis)

October 2013 - July 2016
(3 years)

Bachelor Degree in Biotechnologies

University of Pavia - Italy

Basic knowledge on different biological systems, with a major focus on chemical and biochemical mechanisms regulating them.

February 2016 - July 2016
(4 months)

Internship at Developmental Biology laboratory

Prof. Silvia Garagna and Prof. Mario Zuccotti
University of Pavia - Italy

Basic knowledge on micro-manipulator usage.
Bachelor thesis title: "*In vitro* recapitulation of mammalian gastrulation through gastruloids".

June 2012 - August 2012
(2 months)

Didactical internship at S.I.T. pharmaceuticals S.r.l.

Microbiological pharmaceutical quality control laboratory.

Professional References

Prof. Livia **Visai** - University of Pavia - Molecular Medicine department, Biochemistry Unit - Via Taramelli 3/B, 27100 Pavia - Italy.

E-mail: livia.visai@unipv.it ; Phone: +38 0382 987725

Prof. Silvia **Garagna** - University of Pavia - Developmental Biology laboratory, Biology and Biotechnologies Department (DBB) - Via Ferrata 9, Pavia - Italy

E-mail: silvia.garagna@unipv.it

Prof. Matthew **Dalby** - University of Glasgow - Center for Cell Engineering (CCE), Joseph Black Building- University Avenue, Glasgow - G12 8QQ.

E-mail: matthew.dalby@glasgow.ac.uk

Dr. Monica **Tsimbouri** - University of Glasgow - Center for Cell Engineering (CCE), Joseph Black Building- University Avenue, Glasgow - G12 8QQ.

E-mail: penelope.Tsimbouri@glasgow.ac.uk

PERSONAL SKILLS

First language

Italian

Other languages

English (B1), French (scholastic level)

Honest and Reliable: Strong morals and ethics ensure honesty, reliability and ability to undertake tasks responsibly.

Flexible: Understanding of need to remain flexible to support last-minute demands and changes. Comfortable in changing environments and situations, ensuring ability to remain flexible and adaptable at all times.

Problem Solving: Applied a logical approach to problem solving to minimise conflict and create positive outcomes. Commended for helping others understand reasons for proposed resolutions.

Pavia, 18/10/18

Giulia Montagna