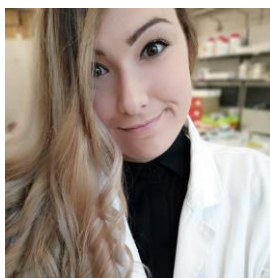


PERSONAL INFORMATION

Margherita Montanari



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-  margherita.montanari@istec.cnr.it
-  <https://www.linkedin.com/in/margherita-montanari-54339b12b/>
-  WhatsApp +39 3337167788

Sex Female | Date of birth 25/01/1992 | Nationality Italian

PREFERRED JOB

I am determined to demonstrate and apply my expertise, my curiosity and my desire to grow up professionally and personally within the R&D sector. My goal is to achieve a dynamic role in which the development of innovative ideas and the problem solving connected with it was the main aim of the work. I would like to held a position that let me take advantage of my propensity to learn fast and continuously, in order to make this capability, together with the others built up over the years, available to the group I am working with, providing always better results and achieving continuously more challenging goals.

WORK EXPERIENCE

November 2018 – ongoing

PhD in Material Science and Technology

Italian National Research Centre (CNR) - Institute of Science and Technology for Ceramics (ISTEC), Via Granarolo 64, 48018 Faenza (RA), Italy, <http://www.istec.cnr.it/>

- *Design, development and characterization of innovative biohybrid biopolymer-hydroxyapatite composites for 3D printing and injectable inks with the aim of creating new bioinspired, biomimetic and biocompatible materials for tissue engineering and regeneration*

Contact person: Dr. Monica Sandri monica.sandri@istec.cnr.it

March 2016 – October 2016

Master thesis

Catalan Institute of Nanoscience and Nanotechnology (ICN2), Campus de la UAB, Av. de Serragalliners, s/n, 08193 Bellaterra, Barcelona, Spain, <https://icn2.cat/en/>

- *Design and development of innovative graphene based transducers for nanobiosensor applications*

Contact person: Prof. Arben Merkoçi arben.merkoci@icn2.cat ; Dr. Alfredo de la Escosura Muñiz alfredo.escosura@icn2.cat

May 2014 – September 2014

Bachelor thesis

Università degli Studi di Parma, Parco Area delle Scienze, 43124 Parma (PR), Italy, <https://www.unipr.it/>

- *Development of diagnostic method based on peptide nucleic acids (PNA) and nanomaterials*

Contact person: Prof. Roberto Corradini roberto.corradini@unipr.it ; Dr. Alex Manicardi alex.manicardi@ugent.be

EDUCATION AND TRAINING

2018 - ongoing

PhD in Material Science and Technology

University of Parma, Str. dell'Università, 12, 43121 Parma (PR), Italy, <https://www.unipr.it/>

Italian National Research Centre (CNR) - Institute of Science and Technology for Ceramics (ISTEC), Via Granarolo 64, 48018 Faenza (RA), Italy, <http://www.istec.cnr.it/>

2014 - 2017

Master degree in Molecular and Industrial Biotechnology

Alma Mater Studiorum – University of Bologna, Via Zamboni, 33, 40126 Bologna (BO), Italy, <https://www.unibo.it/it>

- 2011-2014 **Bachelor degree in Biotechnology**
University of Parma, Str. dell'Università, 12, 43121 Parma (PR), Italy, <https://www.unipr.it/>

- 2006 - 2011 **Scientific High School Diploma**
Liceo Scientifico G.Ulivi, Viale Maria Luigia 3, 43100 Parma (PR), Italy,
http://www.liceoulivi.it/pvw/app/PRLS0002/pvw_sito.php

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
First Certificate in English (FCE), University of Cambridge, June 2008					
Spanish	C1	C1	B2	B2	B2
8 month spent in a Spanish-speaking country (Barcelona, Spain)					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Good synergic interaction with others to achieve common goals even in multi-ethnic and multi-cultural working contexts acquired during the master thesis internship performed in a team of more than thirty people from all over the world

Organisational / managerial skills

- Very good skills in organize the work and manage with the time available to do it, acquired during the university studies and the bachelor thesis internships, improved during the realization of the master thesis project and refined throughout the PhD

Job-related skills

GENERAL SKILLS

- Solid phase synthesis, characterization and purification of peptide nucleic acids (PNA)
- Design and realization of optical and electrochemical biosensors
- Design and realization of bioinspired, biocompatible and biomimetic materials

TECHNICAL SKILLS

- Biopolymer-hydroxyapatite based material synthesis and characterization
- 3D printing
- Rheology
- Dynamic Light Scattering (DLS)
- Infrared Spectroscopy (FTIR-ATR)
- Thermogravimetric Analysis (TGA-DSC)
- Scanning Electron Microscopy (SEM)
- Optical microscopy
- Dynamic Mechanical Analysis (DMA)
- Cyclic voltammetry and electrochemical impedance spectroscopy (CV and EIS)
- Screen printing and WPM technology
- UV-vis spectroscopy
- Fluorescence spectroscopy

BASIC TECHNICAL SKILLS

- High Performance Liquid Chromatography (HPLC)
- Mass spectroscopy
- Nuclear Magnetic Resonance spectroscopy (NMR)
- Atomic Force Microscopy (AFM)
- X-ray diffraction (XRD)
- Inductively Coupled Plasma (ICP)
- Profilometer
- Electrophoresis

DIGITAL SKILLS

- ChemDraw
- MassLynx
- DeepView
- ImageJ
- Gpes and Fra
- Proteus Analysis
- TA Data Analysis
- Microsoft Office Word, PowerPoint, Excell

Driving licence B

ADDITIONAL INFORMATION

- Grant and awards
 - ERASMUS Plus – Grant for Research 2015-2016
- Publications
 - *Detection of unamplified genomic DNA by a PNA-based microstructured optical fiber (MOF) Bragg-grating optofluidic system*; A.Bertucci, A.Manicardi, A.Candiani, S.Giannetti, A.Cucinotta, G.Spoto, M.Konstantaki, S.Pissadakis, S.Selleri, R.Corradini; Biosensor and Bioelectronics, 2015, <https://doi.org/10.1016/j.bios.2014.07.047> - Acknowledgement
- Oral presentations
 - *Mould casting and 3D printing technology: comparative study between 3D biomimetic scaffold for tissue engineering*, SIB congress 2019, Caserta, Italy
- Poster
 - *Tissue engineering: 3D printing vs mold casting technology*, DSCTM congress 2019, Bressanone, Italy
- Certifications
 - Formazione rischi specifici dei lavoratori – Art.37, lettera *b*, comma 1 e comma 3 del D.Lgs 81/08 s.m.i. come da Accordo Stato Regioni 21.12.2011

ANNEXES

ORCID QR Code




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