PERSONAL INFORMATION

Federica Biancardi

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Sex Female | Date of birth 09/10/1987 | Nationality Italian

WORK EXPERIENCE

Jan 2019

Histology Lab Assistant
Laboratory assistant of the course "Biologia generale e ambientale con elementi di istologia" – Referent Prof. Thomas Vaccari

From Oct 2018

PhD School in Molecular and Cellular Biology
Università degli Studi di Milano (MI) ITALIA

Jan 2018 –Jun 2018

Internship – Farmacia San Cristoforo s.a.s.
Farmacia San Cristoforo s.a.s., via Giambellino, 150 – Milano (MI) ITALIA

May 2015 – Nov 2016

Internship - Istituto di Ricerche Farmacologiche Mario Negri
Istituto di Ricerche Farmacologiche Mario Negri, via Giuseppe La Masa 19 - Milano (MI) ITALIA

Main activities and responsibilities: I worked in a laboratory of molecular biology where I applied the main techniques of molecular and cellular biology to cell line cultures of breast cancer. In particular, I have focused the attention on a small subset of breast cancer cell line cultures belonging to triple negative subgroup, with the aim of characterizing the molecular determinants of their sensitivity to all-trans retinoic acid.

Acquired skills and achieved objectives: I learned how to grow cells in culture and how to disrupt them to isolate constituent macromolecules in pure form (proteins, RNAs and bacterial DNAs). I separated protein samples by SDS Polyacrylamide-Gel Electrophoresis and I detected specific proteins by blotting with antibodies that have been labelled with a fluorescent dye. I have dealt with separation of nucleic acid molecules, resulting from PCR, by Agarose Gel Electrophoresis and their identification due to the staining of the gel with the dye ethidium bromide. I studied gene expression at the transcriptional level through the monitoring of RNA levels, following the addition of drugs, by RTqPCR. I also analysed the modulation of transcriptional activity through Dual- Luciferase Reporter assay, after cell transfection. I performed viability assay (Sulphorhodamine B, cellTiter-Glo®) to measure cytotoxicity and cell proliferation. Finally, I learned how to perform siRNA-mediated gene –silencing and immunoprecipitation assay.

Nov 2014 – Apr 2015

Internship – Farmacia Coni Zugna s.a.s.
Farmacia Coni Zugna s.a.s., via Coni Zugna, 56 – Milano (MI) ITALIA

Main activities and responsibilities: I worked in a pharmacy open to the public where I tested my ability to prepare topical and oral medications. I have been involved with the sale and with the storage management.
Acquired skills and achieved objectives: I gained the skills required to work in a galenic preparations laboratory. I learned how to use digital software to manage the storage and sales. I gained the knowledge about pharmaceutical legislation.

EDUCATION AND TRAINING

2007 – 2017

Master's degree in Pharmaceutical Chemistry and Technology

Università degli Studi di Milano (MI) ITALIA – Drugs Sciences

Final degree mark: 105/110

Dissertation title: Ruolo di Notch1 nell'azione anti-proliferativa dell'acido retinoico sui tumori della mammella tripli negativi (*The role of Notch1 in the anti-proliferative action of retinoic acid in triple negative breast cancer*).

2006

Secondary school diploma: Scientific Certificate

Liceo Scientifico Statale A. Einstein, via A. Einstein, 3 – Milano (MI) ITALIA

Mother tongue(s)	Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
	IELTS Certificate (2018)				
German	A1	A1	A1	A1	A1

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

Communication skills

The know-how I gained working in a research laboratory allowed me to develop critical thinking and communication skills. I improved the way I display a work in terms of clarity and precision. Both my experiences as a trainee in pharmacy and as a salesperson in a stationary/newsagent shop taught me dealing with people.

Organisational / managerial skills

I gained the skills needed to independently organize my work and manage time. I have a good ability to work in a team.

Digital competence

Operating systems: Good
Word processing: Good
Electronic spreadsheet: Good
Data base administrators: Good

Publication

Network-guided modelling allows tumor-type independent prediction of sensitivity to all-trans retinoic acid. Bolis M, Garattini E, Paroni G, Zanetti A, Kurosaki M, Castrignano' T, Garattini SK, Biancardi F, Barzago MM, Gianni' M, Terao M, Pattini L, Fratelli M. Annals of Oncology. 2017;28(3):611-621.