

PERSONAL INFORMATION

Sofia Gasperini

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Date of birth 24/05/1995 | Nationality Italian

POSITION

PhD student in Toxicology

EDUCATION AND TRAINING

November 2020 - present

PhD student in “Health, safety and green systems”, XXXVI cycle

Alma Mater Studiorum University of Bologna, Italy

Research project in genetic toxicology: “Innovation and sustainability in genetic toxicology”

- *In vitro* genotoxicity tests
- *In vitro* micronucleus test: methods and applications
- Use of human cell lines
- Flow cytometric techniques

July 2020

Passed the state examination to become a licensed pharmacist and enrolled in the Italian National Association of Pharmacists

October 2014 – March 2020

Five-year Master’s Degree in Pharmaceutical Chemistry and Technology

Alma Mater Studiorum University of Bologna, Italy

Experimental thesis in genetic toxicology: “Psychoactive phenethylamines: impact on genetic material”

Supervisor: Dr. Monia Lenzi

Degree mark: 110 out of 110, cum laude

WORK EXPERIENCE

August 2020 – October 2020

Pharmacist

Farmacia Rambelli, via Ravegnana 149, Forlì, 47122, Italy

- Dispensed prescription drugs
- Provided counselling to patients on over-the-counter drugs, phytotherapeutic products and supplements
- Learned order management and processing

May 2020 – August 2020

Pharmacy Clerk

Farmacia Rambelli, via Ravegnana 149, Forlì, 47122, Italy

- Handled sales, phone calls, medical examinations booking service
- Performed inventory control

September 2018 – March 2019

Curricular traineeship for the qualification to the profession of pharmacist

Farmacia Rambelli, via Ravegnana 149, Forlì, 47122, Italy

- Completion of the training regarding pharmacy’s technical and administrative management, pharmaceutical legislation, medicines dispensation

December 2017 – May 2018

“Student collaboration activity - 150 hours”

Library of the Department of Pharmacy and Biotechnology, University of Bologna

- In charge of loans
- Provided support for bibliographic research

PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Spanish (self-assessment)	B1	B1	A2	A2	A2

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

Experimental skills

- manipulation and maintenance of cell lines
- flow cytometric techniques for the analysis of multiple cellular parameters: genetic and epigenetic damage, cytotoxicity, cell cycle, apoptosis, necrosis, levels of Reactive Oxygen Species
- *in vitro* micronucleus test: automated version by flow cytometry and classical method by optical microscopy
- *in vitro* chemoprevention studies of botanical extracts and molecules

Communication skills

- good communication skills gained through my experience as a pharmacist, during which I learned to effectively manage public interactions in a fast-paced environment while always being friendly and attentive to the team and patient needs
- presentation skills further developed during these first years as a PhD student

Digital competence

- good command of office suite (word processor, spread sheet, presentation software)
- good command of Prism (software for statistical analysis) gained during my graduate and PhD studies

Other skills

- passionate about phytotherapy, subject that I was able to deepen also through my experience as a pharmacist

ADDITIONAL INFORMATION

Publications

- Cocchi V, Gasperini S, Hrelia P, Tirri M, Marti M, Lenzi M. **Novel Psychoactive Phenethylamines: Impact on Genetic Material.** *Int J Mol Sci.* 2020;21(24):9616. Published 2020 Dec 17. doi:10.3390/ijms21249616
- Lenzi M, Cocchi V, Gasperini S, Arfè R, Marti M, Hrelia P. **Evaluation of Cytotoxic and Mutagenic Effects of the Synthetic Cathinones Mexedrone, α -PVP and α -PHP.** *Int J Mol Sci.* 2021;22(12):6320. Published 2021 Jun 12. doi:10.3390/ijms22126320
- Adorasio S, Argentieri MP, Avato P, et al. **The molecular basis of the anticancer properties of quercetin.** *Pharm Adv.* 2021;3(3):496. doi:10.36118/pharmadvances.2021.10
- Cocchi V, Gasperini S, Lenzi M. **Antraquinones: Genotoxic until Proven Otherwise? A Study on a Substance-Based Medical Device to Implement Available Data for a Correct Risk Assessment.** *Toxics.* 2022;10(3):142. Published 2022 Mar 16. doi:10.3390/toxics10030142

Presentations

- Poster co-author at the Italian Pharmacology Society conference 2021: "Novel Psychoactive Phenethylamines: Impact on Genetic Material"
- Poster co-author at the Italian Toxicology Society conference 2021: "Cytotoxic and Mutagenic Effects of the Synthetic Cathinones Mexedrone, α -PVP and α -PHP"