

## MARIASOFIA PERUCCHINI

Via Depretis 5B, 27100 Pavia (PV) | 3312837864

Mail personale: [sofiaperucchini@hotmail.com](mailto:sofiaperucchini@hotmail.com)

Mail istituzionale: [mariasofia.perucchini01@universitadipavia.it](mailto:mariasofia.perucchini01@universitadipavia.it)

### Education

- High school diploma from *Liceo Scientifico N. Copernico*, Pavia (PV), obtained in the academic year 2017/2018 (85/100)
- Master's Degree in Pharmacy from the *University of Pavia*, obtained in the academic year 2022/2023, with a semi-experimental thesis entitled "*Innovative pharmaceutical forms for the treatment of glaucoma*" (Final mark: 110 with honors and distinction)
- English course at *EF English School of London* (08/2022–09/2022)

### Experience

- 900-hour internship at *Farmacia San Michele*, Pavia (PV) (02/2022–08/2022)
- Part-time work at the *University of Pavia* providing support to teaching facilities and student services (2019–2020–2021)
- Voluntary internship at the *BioPharmaceutics and Formulation Development Laboratory (BforDev Lab)*, University of Pavia (06/2023–07/2023)
- Currently a third-year **PhD student** at the *BioPharmaceutics and Formulation Development Laboratory*, Department of Drug Sciences, University of Pavia

### Skills

- Advanced proficiency in Microsoft Office Suite and both Windows and Apple operating systems
- English language proficiency: B2 level (First Certificate)
- Laboratory instrument proficiency: Texture Analyzer, Spray-Dryer, pH meter, Rheometer, Dynamic Light Scattering, Scanning Electron Microscopy, Electrospinning, Atomic Force Microscopy

### Contributions

- *Development of chitosan/hydrolyzed collagen antimicrobial microparticles via spray-drying method as an innovative drug delivery system to the lung*; M. Perucchini, C. Valentino, B. Vigani, A. Pellegrini, G. Pietrocola, G. Varacca, R. Bettini, C. Milanesi, G. Sandri, S. Rossi. **1st SITELF National PhD Summer School** (Pavia, September 2024)
- *Development of a thermo-responsive and mucoadhesive intranasal spray for the prevention of infectious pulmonary diseases*; M. Perucchini, G. Zucca, B. Vigani, C. Valentino, M. Ruggeri, A. Civra, D. Lembo, F. Sonvico, G. Sandri, S. Rossi. **63rd AFI Symposium** (Rimini, June 2024)
- *Development of intranasal thermo-gelling systems to prevent respiratory tract viral infections*; M. Perucchini, G. Zucca, B. Vigani, C. Valentino, M. Ruggeri, G. Sandri, S. Rossi. **PBP World Meeting** (Vienna, March 2024)

- *Development of a nasal spray based on cyclodextrin/hydrophobically-modified hydroxypropyl-methyl cellulose association for the prevention of viral infectious diseases*; M. Perucchini, G. Zucca, B. Vigani, C. Valentino, M. Ruggeri, A. Civra, D. Lembo, F. Sonvico, G. Sandri, S. Rossi. **XXVIII National SCI Congress** (Milan, August 2024)
- *Innovative formulation strategies to prevent respiratory viral infections*; M. Perucchini, G. Zucca, B. Vigani, C. Valentino, M. Ruggeri, A. Civra, D. Lembo, F. Sonvico, G. Sandri, S. Rossi. **Exploring the Future of Inhalation Drug Delivery** (Parma, September 2024)
- *Kefiran-based electrospun nanofibers as surgical face-mask filter substitutes*; M. Perucchini, B. Vigani, C. Valentino, M. Ruggeri, C. Milanese, G. Sandri, S. Rossi. **5th European Meeting of Pharmaceutics** (Porto, March 2025)
- *Kefiran/Tannic Acid-Containing Electrospun Nanofibers as Alternative Filters for Surgical Face-Masks*; M. Perucchini, B. Vigani, C. Valentino, M. Ruggeri, C. Milanese, G. Sandri, S. Rossi. **5th European Meeting of Pharmaceutics; ESB**(Turin, September 2025)
- *Fucoidan/poly-lysine nanogels intended for the prevention of oral infections related to inhaled corticosteroids*; M. Perucchini, B. Vigani, C. Valentino, M. Ruggeri, G. Sandri, S. Rossi. **IN-FACT Congress** (Naples, April 2025)
- *Kefiran-Containing Electrospun Nanofibers as Alternative Filters for Surgical Face-Masks*; M. Perucchini, B. Vigani, C. Valentino, M. Ruggeri, C. Milanese, G. Sandri, S. Rossi. **MisusPharma** (Naples, May 2025) (ORAL PRESENTATION)
- *Kefiran/tannic acid-containing electrospun nanofibers as alternative filters for surgical face-masks*; M. Perucchini, B. Vigani, C. Valentino, M. Ruggeri, C. Milanese, G. Sandri, S. Rossi. **PhD IN-FACT Summer School** (Pavia, May 2025) (ORAL PRESENTATION)

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