



MARTINA GORCHILOVA

ABOUT ME

Dedicated and motivated BSc graduate with a strong interest in the pharmaceutical and biomedical industries. During my thesis work in a Biophotonics Laboratory, I gained research experience focusing on gold nanoparticles and their potential application in stimulating on-demand drug release.

My academic and practical experiences have strengthened my attention to detail, scientific communication, research skills, and ability to work effectively in multidisciplinary environments. In addition, my volunteering experience in healthcare settings and participation in screening laboratory meetings provided valuable insight into patient care and the importance of accessible healthcare, particularly within underserved communities.

CONTACT ME

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SKILLS

- Public Relations
- Teamwork
- Time Management
- Effective Communication
- Critical Thinking

LANGUAGE

- Bulgarian (Mother language)
- English (C1)
- Korean (B1)
- Italian (A2)

EDUCATION

BSc in "Molecular Biology, Medicinal Chemistry and Computer Science for Pharmaceutical Applications"

Sapienza University of Rome

2023 - Present

RESEARCH EXPERIENCE

Biophotonics Laboratory

Sapienza University of Rome

02/2026 - Present

Conducted undergraduate thesis research investigating gold nanoparticles for on-demand drug release.

Designed and conducted experiments, including data collection, analysis, and scientific literature review.

Gained hands-on experience with absorption, diffuse-reflectance, and emission spectroscopy, as well as optical tables and laser equipment.

Documented and communicated experimental findings while collaborating in a multidisciplinary research environment.

WORK EXPERIENCE

Fast food worker and crew trainer

McDonald's

04/2021 - 10/2021

Babysitter

for Korean children

2020 - 2023