

Helena Juricic

Molecular Life Science | Biotechnology | Molecular Diagnostics

SUMMARY

I am passionate about expanding my expertise in Molecular Life Sciences, combining five years of education with practical lab experience. My skills include protein extraction, immunoblotting, enzymatic activity measurement, ELISA, and cell culture work. I am particularly interested in projects that investigate new compounds that enhance health and well-being. I enjoy working in collaborative environments and have demonstrated the ability to quickly adapt and contribute effectively to diverse research teams.

EDUCATION

Master of Science in Molecular Diagnostics and Biotechnology

University of Camerino

📅 09/2021 - 04/2024 📍 Camerino, Italy

- Final mark: 110/110 cum laude
- Took classes like Epigenetics, Clinical and Molecular Diagnostics, Genomics and Proteomics, Biology of Cancer and Biomolecular Therapeutic Agents, Biochemistry of Ageing, Stem Cell Technologies and Animal Models, Molecular Parasitology, Molecular Anthropological and Forensic Archaeology
- Carried out experiments as part of the courses Rotation Lab and Biology Laboratory Advanced Techniques using techniques like ELISA, Western Blotting, Bradford Assay

Bachelor of Science in Molecular Life Science

Radboud University

📅 09/2018 - 06/2021 📍 Nijmegen, Netherlands

- Took classes like Crystal Structure, Genetics, General Physiology, Programming Math Lab, Inorganic Biochemistry, Molecular Life Sciences & Society, Immunology, RNA Structure and Function, Animal Cell Biology, Biochemistry in the Living Cell, Nanomaterials in the Biomedicine and Advanced Molecular Biology
- Carried out experiments in Reactions & Kinetics as well as Chemical Analysis spending close to 130 hours and 65 respectively in laboratory sessions
- Worked as part of a team for Biochemistry laboratory experiments and a DNA technology project. For both, I had to cooperate with my peers in collecting the necessary materials, adhering to the instruction manual and analysing the results

PRACTICAL EXPERIENCE

Thesis Research Project

University of Camerino

📅 09/2023 - 04/2024 📍 Camerino, Italy

- Participated in a project as part of my experimental thesis, investigating the effects of ghrelin's truncated product on neuronal proteolytic pathways.
- Worked with cell cultures, examining protein markers via immunoblotting and measuring enzymatic activity in samples.
- Further deepened the knowledge gained during the theoretical part of my master's degree.

Intern at Laboratory for Marine Nanotechnology and Biotechnology

Ruder Bošković Institute

📅 04/2021 - 06/2021 📍 Rovinj, Croatia

- Performed an experiment as a part of the research team, investigating the interaction of biomolecules with the nanoparticles, where I used and deepened the knowledge acquired during my studies
- Worked with techniques like SDS-PAGE and UV-VIS spectroscopy
- Analysed obtained data and worked on the protein models to depict the interaction of the protein with the nanoparticle
- Improved communication skills with fellow scientists and students, by working with people from various backgrounds in science

JOB-RELATED SKILLS

+ Safety Protocols

Thorough ability to manage and carry out laboratory safety protocol

+ GMO Certified

Have a certificate granting me authority to handle GMOs (genetically modified objects) at ML-I / BSL-I

+ Laboratory Techniques

Familiar with ELISA, Western Blotting assay, enzymatic activities assay, working with the cell cultures, Bradford assay, SDS-PAGE, spectrophotometric and spectrofluorometric assay

EXTRACURRICULAR ACTIVITY

Trieste Next – Festival della Ricerca Scientifica

Attended Festival of Scientific Research where I participated in discussions over the latest research in the field of biotechnologies.

Topics discussed in seminars: gene therapy, development of prosthetics using AI, mechanism of the HPV malignancy, circular economy, introduction to the concept of open access labs, ethical issues in medicine

STRENGTHS

💎 Teamwork

Strong ability to work in a team, honed with years of work experience, cooperating with peers for university projects and living with people from different backgrounds

💎 Communication Skills

Good communication skills acquired by working from the age of 16 with people from various backgrounds and ages.

Confident with public speaking and presentations

LANGUAGES

Croatian	Native
English	C1
Italian	A2

Date: 01.08.2024, PULA

Signature: _____