

Elnaz Vojoudi Yazdi



Education

M.Sc. in Molecular Biotechnology & Bioinformatics

Università degli Studi di Milano (UNIMI), Italy
2021 – Dec 2024

Sep

Relevant coursework : Rational Design | Functional Genomics & Bioinformatics | Molecular Pharmacology & Immunology | Protein Engineering & Molecular Enzymology | Methods for bioinformatics

B.Sc. in Biotechnology

Amol University of Special Modern Technologies (AUSMT), Iran
Feb 2020

Sep 2016 –

GPA: 3.8/4

Work Experience

1-Bioinformatician

Fondazione IRCCS Istituto Nazionale dei Tumori, Milan
2025 – present

Nov

- On-chip tomographic microscopy: a paradigm Shift for Revolutionizing lab-on-a-chip bioimaging technology - DISRUPT™ (s.s.d.Biologia Integrata tumori rari)

2-Bioinformatics Intern (Thesis)

Fondazione IRCCS Istituto Nazionale dei Tumori, Milan
– Oct 2024

Sep 2023

- Analyzed microbiome modulation in IBS patients using high-throughput sequencing (HTS) and machine learning tools.

3-Molecular Modeling Researcher – Meet4EU Project

Milan, Italy

Sep 2022 – Feb 2023

- Conducted in-silico screening of NSP13 inhibitors using molecular modeling and docking methods.

4-Research Assistant –Virus Genome Sequencing

Razi Vaccine & Serum Research Institute, Iran

2018 –Jul 2021

Jun

- Sequenced and analyzed Newcastle disease virus and GI-23 IBV strains.

5-Bachelor Thesis

Amol University of special modern science

Dec 2019-Jan 2019

- Green synthesis of zinc oxide nanoparticle using leaf extract of scutellaria pekinensis and investigation of its antimicrobial properties

Skills

Bioinformatics & Data Analysis

- RNA-seq and NGS analysis (edgeR) – Differential gene expression Analysis - packages and programming in the R language -Statistical analysis -Linux scripting for bioinformatics workflows(Ubuntu)-Molecular modeling (PyMOL)

Molecular & Cellular Techniques

- Library preparation -PCR -qPCR-ELISA -Protein expression- SDS-PAGE -Cell ,Virus and Bacterial culture- Western blot- Gene silencing- Genome sequencing, RNA/DNA/protein extraction

Soft Skills

- Team collaboration
- Adaptability
- Critical thinking
- Attention to detail
- Problem-solving
- Project coordination

General Experience

Online Interpreter & Consultant

DALs, UK

Oct 2024 – Oct 2025

- Provided real-time medical and psychological interpretation

Publications

1-Gargari, G., *et al.* (2025). *Multistrain probiotics plus vitamin D improve gut barrier function and gut microbiota composition in irritable bowel syndrome without constipation.* *Nutrients*, 17(1708). <https://doi.org/10.3390/nu17101708>

2-Genomic comparison on *O. oeni*: can *I. hilgardii* be a novel starter culture in malolactic fermentation?<https://ives-openscience.eu/49750/>

3-Detection of Mutant Infectious Bronchitis Viruses of GI-23 Lineage in Commercial Chicken Flocks (2021). <https://doi.org/10.22067/ijvst.2021.68272.1009>

4-Processing Wastes as a Potential Source for Biopigments (2018) <https://civilica.com/doc/873418>

Courses & Certifications

- *Drug Discovery* – University of California, San Diego (Coursera)
- Coding a Cancer Case: Topography, Morphology and Stage(elearning)
- *CRISPR & Genome Editing* – Stanford University (edX)
- *Meet4EU Erasmus+ Program* – Milan/Warsaw (2022–2023)

Languages

Persian (Native)

English (C1)

Italian (A2)

Korean

(A2)

Awards & Interests

- **Chess Champion** – 21 medals (national & international competitions)