

Behina Gholami

Microbiology Bachelor's Student at Tehran university

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Education

Bachelor of Science (B.S.) in Microbiology:

School of Biology - [University of Tehran](#)

GPA: 18/20 (3.71/4)

Sep.2021 - Sep.2025

Tehran, Iran

High School Diploma in Natural Sciences:

National Organization for Development of Exceptional Talents (NODET)

GPA:19.22/20

Sep.2017 - Sep.2021

Arak, Iran

Academic Experiences

Biotechnology internship:

National Institute of Genetic Engineering and Biotechnology (NIGB)

Feb.2025 - Present

Tehran, Iran

- Lab supervisor: [Dr.Akbari](#)
- Achieved hands-on laboratory skills on
- Practiced PCR and RT-PCR in ...
- RNA extraction and cDNA synthesis in
- Prepared Eukaryotic cells culture and Eukaryotic cell cryostock
- **add final item on what you achieved? impressive results?**

Undergraduate Research Assistant:

[University of Tehran](#)

Jun.2025 - Present

Tehran, Iran

- Thesis Title: Conducting RNA transcriptome analysis in Parkinson's disease
- Supervisor: [Dr. Kolsoum Inanloo](#)
- Derived and analyzed different factors (e.g., age, sex) in Parkinson's disease development

Research Interest

- Microbiome-host interactions
- Microbiom-immune-brain axis
- Cancer genetics and immunology
- Targeted therapy and disease pathogenesis
- Molecular genetics of neurodegenerative diseases

Laboratory Skills

Microbiology and physiology: Microbial culture, Stainig, and physiological tests, Optimal Density measurement, CFU counting

Molecular Biology and Genetics: Gene cloning techniques: PCR, RT-PCR, Microbial Electroporation and gene transformation, RNA extraction and cDNA synthesis

Biochemical and instrumental techniques: NanoDrop Spectrophotometer analysis, Spectrophotometric analysis

Computer Skills

Microsoft Suit:

Excel, Word, PowerPoint

programming:

python, LATEX

Analysis:

SPSS, NCBI, Oligo7, Cystoscope

Teaching Experience




Teaching assistant in 'Basic Genetic' Course

University of Tehran

Mar.2024 - Jun.2024

- Course Instructor: [Dr. Kolsoum Inanloo](#)
- Reinforced class lessons by clarifying concepts
- Conducted weekly office hours to supported students with course-related questions
- Designed weekly assignments and final project

Notable Projects

- **Impact of gut microbiome on Alzheimer's disease**  view Nov. 2023
Course: Medical Bacteriology I
Description: short and accurate explanation on what was it about ?
- **Controlling foodborne biofilms**  view May. 2024
Course: Food Microbiology
Description: short and accurate explanation on what was it about ?
- **Oral vaccination for Urinary tract infection(UTI)**  view Apr. 2024
Course: Medical bacteriology II
Description: short and accurate explanation on what was it about ?

Notable Courses

Microbial Physiology 20/20 (4/4 GPA)	Virology: 17.5/20 (4/4 GPA)	Basic Genetics 19.21/20 (4/4 GPA)
Industrial Microbiology 20/20 (4/4 GPA)	Immunology 19/20 (4/4 GPA)	Molecular Genetics 20/20 (4/4 GPA)
Medical Bacteriology I 20/20 (4/4 GPA)	Biostatistics 16.75/20 (4/4 GPA)	Bioinformatics 17/20 (4/4 GPA)
Medical Microbiology II 20/20 (4/4 GPA)	Molecular Microbiology 19.25/20 (4/4 GPA)	Principles of Systems Biology 17.25/20 (4/4 GPA)
Food Microbiology 20/20 (4/4 GPA)	Structural Biochemistry 15.25 (3/4 GPA)	Metabolism Biochemistry 15/20 (3/4 GPA)

Extracurricular Activities

- Contributed as a content writer for 'Dena' scientific-student magazine.
- Co-authored a review article on 'antibiotic resistance patterns across different cities in Iran'.
- Collaborated on a team project analyzing and solving problem sets from 'Essentials of Genetics' twxtbook by William S. Klug

Honors and Awards

- Ranked 2nd in the Microbiology class of 2025 2025
- As Exceptional Talent Admitted to M.Sc. program at University of Tehran (Exemption from National M.Sc. entrance exam) 2025
- Admitted to 'National Organization for Development of Exceptional Talents (NODET)' 2017

English Languages Proficiency

TOEFL iBT: 100 (Reading:26 Listening:26 Speaking:27 writing:21)

Test date: October 19 , 2024

References

Dr.Kolsoum Inanloo: Assistant Professor, School of Biology, University of Tehran, Iran.
✉ inanloo@ut.ac.ir

Dr.Mohammad ali Amoozegar: Professor Dean, School of Biology, University of Tehran, Iran.
✉ amoozegar@ut.ac.ir

Dr.Maryam Yavari: Assistant Professor, School of Biology, University of Tehran, Iran.
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