

[PLEASE NOTE: This is a general template which must be integrated with any additional information requested for the Ph.D. Programme you are applying for in Annex A of the Selection Call]

## Curriculum Vitae Europass

### Personal information

Name(s) / Surname(s)

**Nazanin Bagherlou**

### Work experience

Dates

From 01/09/2012 to 01/08/2021.

Occupation or position held

Researcher, Research Editor, and Leadership at <http://en.azaruniv.ac.ir>

Main activities and responsibilities

Leadership in teamwork and Planning. **Responsibility:** I Helped students in Setting goals, identifying problems and solving problems, Planning and creating an idea and developing an idea, Analyzing information and Data with SPSS also I helped master students to write manuscripts accurately, clearly and precisely. I am Editing their errors in scientific manuscripts and helping them to submit their articles in professional journals correctly.

Name and address of employer

Doctor Nasser Pouladi, Azarbaijan Shahid Madani University, Tabriz city, Iran

Type of business or sector

Molecular biology lab at university

### Work experience

Dates

From 01/90 /2013 to 01/09/2018

Occupation or position held

Research assistant

Main activities and responsibilities

Collaborating in research projects in molecular biology laboratory, extracting important information and gathering information in collaboration with professor Farajnia, Expressing new ideas for review articles.

Name and address of employer

professor Safar Farajnia at Drug Applied Research Center, Tabriz University of Medical Sciences, <https://darc.tbzmed.ac.ir>

Type of business or sector

Molecular biology laboratory at drug applied research center.

**Education and training**

Master of Science in cellular and molecular sciences, department of Biology, Faculty of Science, University of Mohaghegh Ardabili. **GPA: (17.27 out of 20) GPA:3.8**

Dates From 22/09/2012 to 19/05/2015.

Title of qualification awarded Master science degree in Biology-Cellular and Molecular Sciences

Main subjects / occupational skills covered

**Main subjects According to Transcript Records:** advanced cellular biology, cellular biophysics, medical genetic, immunology, biotechnology, bioinformatics, electron Microscopy, genetic engineering, cellular and molecular mechanism of cancer, enzymology, DNA structure& simulation, prokaryotes genetic

**practical:** advanced molecular biology , genetic engineering, enzymology, electron Microscopy, I learned Advanced practical and technical skills, manuscript writing skills, creating and developing an idea for my proposal. Handling details about my master thesis project in collaboration with professors.

Organisation providing education and training

University of Mohaghegh Ardabili, <https://uma.ac.ir>

I passed my theory classes at the University of Mohaghegh Ardabili but I was working on my thesis project at Drug applied research center, Tabriz University of medical sciences, <https://darc.tbzmed.ac.ir>

**Master thesis title:** prevalence of k-ras mutation in ovarian cancer patients in Tabriz.

Level in EQF or national classification

According to the times higher education world university ranking: 600<sup>th</sup> in the world ranking.

<https://www.timeshighereducation.com/search?search=university%20of%20mohaghegh%20ardabili>

**Education and training**

Basic science degree in Biology- Cellular and Molecular Sciences, **GPA: (15.04 out of 20) (GPA in Biology courses: 3.45)**

Dates From 23/09/2007 to 25/07/2011

Title of qualification awarded Basic science degree in Biology- Cellular and Molecular Sciences

Main subjects / occupational skills covered

**Main subjects According to Transcript Records:** human genetics, bioinformatics, biochemistry, physiology, basic immunology, genetics, cellular and molecular biology, plant biology,

**practical skills:** genetic lab and basic laboratory techniques, physiology lab, immunology lab, microbiology lab, animal biology lab,

Organisation providing education and training

Azarbaijan Shahid Madani University, <http://en.azaruniv.ac.ir>

Level in EQF or national classification

According to the times higher education world university ranking: 800<sup>th</sup> in the world ranking.

<https://www.timeshighereducation.com/search?search=azarbaijan%20shahid%20madani%20university>

**Personal skills**

Flexible, honest, responsible, positive, Willingness to learn, writing accurately,clearly and precisely, critical thinking, intrinsically motivated, problem-solving, respectful, Socialable person, creative thinking and designing ideas, Furthermore, I think endurance, multi-tasking, and good time management are essential skills to tackle science challenges to develop. I think the sense of responsibility, work conscience, and being patient is very important.

Mother tongue(s)

**Azerbaijani, Persian**

Foreign language(s)

**English**

Self-assessment

European level (\*)

**Language**

**Language**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C2	C2	C2

(\*) [Common European Framework of Reference for Languages](#)

Communication skills

I acquired Verbal communication and clear written communication and presentation skills. Speaking effectively and writing accurately,clearly and precisely. expressing an idea, reporting information, and expressing idea during membership of Drug applied research center Tabriz University of Medical Sciences, and during membership of Azarbaijan shahid Madani University

Organisational / managerial skills	I learned to be organized, establishing priorities and effective time management, Multi-tasking, handling detail, critical thinking, and setting goals acquired at Azarbaijan Shahid Madani University
Job-related skills	<ul style="list-style-type: none"> <li>● Strong technology skills in Professional experience in ELISA Immunoassays for tumor detection and Western Blot test and SDS PAGE acquired at drug applied research center.</li> <li>● Professional experience in DNA extraction from Paraffin-Embedded Tissues and blood acquired at drug applied research center, Tabriz University of Medical Sciences, <ul style="list-style-type: none"> <li>● Drug discovery and targeted therapy acquired at drug applied research center.</li> <li>● professional experience in Nested PCR AND PCR acquired at drug applied research center.</li> </ul> </li> <li>● Research experience in the generation of single-chain antibodies (SCFV ) and anti-cancer drugs.</li> <li>● Research experience in Specific primer design(methylation-specific PCR, microRNA, Real-time PCR) acquired during internships.</li> <li>● Research experience in Histological Tissue sample preparation acquired at Research Alzahra hospital.</li> <li>● Analyzing information and Data with SPSS</li> <li>● Research experience in molecular pathology and IHC (Immunohistochemistry) and tissue staining techniques. <ul style="list-style-type: none"> <li>● I am using advanced bioinformatic databases to design methods and developing an idea such as Enrichr, Panther, String, Embl drug, David, ShinyGO, Gepia, Cbioportal, drug path.</li> <li>● using VIRTUAL MACHINE learning and UBUNTU FOR NEXT GENERATION SEQUENCING (WHOLE EXOME SEQUENCING) in biomedical research, and variant interpretation acquired in collaboration with <b>England Salvia Medical sciences LTD.</b></li> </ul> </li> </ul>
Other skills	<ul style="list-style-type: none"> <li>● I have participated in online bioinformatic workshops in collaboration with <b>England Salvia Medical sciences LTD</b>, and I will receive a highly valid certificate from England Salvia Medical Sciences LTD until one month( september 1 th 2021) with this title: "APPLICATION OF BASIC BIOINFORMATICS AND NGS IN GENOMICS DATA ANALYSIS" we are using Bioinformatics for proteomics and genomics analysis, bioinformatics for disease and phenotype investigation and epidemiology. we are using VIRTUAL MACHINE learning and UBUNTU FOR ADVANCED NGS in biomedical research, and variant interpretation.</li> </ul> <p>I am working with advanced bioinformatic databases such as Enrichr, Panther, String, Embl drug, David, ShinyGO, Gepia, Cbioportal, drug path, By these bioinformatic databases I will be able to design methods for scientific projects also will be able to design figures and biology networks for scientific manuscripts and posters. I am a research editor and will be able to work in a research team with Excellent writing and presentation skills.</p>
Additional information	<p><b>List of publications:</b></p> <ol style="list-style-type: none"> <li>1. <b>This journal article was extracted from my Master Thesis:</b> Prevalence of K-RAS mutations and CA125 tumor marker in patients with ovarian carcinoma. <b>Nazanin Bagherlou</b>, Safar Farajnia, Saber Zahri, Ali Dastranj Tabrizi, Atefeh Nazari. Published at Caspian journal of internal medicine, 2020 Winter;11(1):75-82. <a href="https://doi.org/10.22088/cjim.11.1.75">Doi : /10.22088/cjim.11.1.75</a> (citation:1) <b>(ISI ARTICLE)</b></li> <li>2. Multiple functions of p27 in cell cycle, apoptosis, epigenetic modification, and transcriptional regulation for the control of cell growth: A double-edged sword protein. Maryam Abbastabar, Maryam Kheyrollah, Khalil Azizian, <b>Nazanin Bagherlou</b>, Sadra Samavarchi Tehrani, Mahmood Maniati, Ansar Karimian. Published at DNA Repair, September 2018, Volume 69, Pages 63-72. <a href="https://doi.org/10.1016/j.dnarep.2018.07.008">https://doi.org/10.1016/j.dnarep.2018.07.008</a> (Citations at google scholar= 86 citations) DNA Repair journal IMPACT FACTOR 2021= <b>4.9, (ISI ARTICLE)</b></li> <li>3. Cytoplasmic Chaperones Enhance Soluble Expression of Anti-EGFR huscFv in Escherichia coli. Atefeh Nazari, Safar Farajnia, Saber Zahri, <b>Nazanin Bagherlou</b>, Asghar Tanomand, Leila Rahbarnia. Iranian J Biotech. 2020 April;18(2): e2314, <a href="https://doi.org/10.30498/IJB.2020.138200.2314">https://doi.org/10.30498/IJB.2020.138200.2314</a> (ISI ARTICLE)</li> </ol>

4. The single nucleotide polymorphism Arg399Gln rs25487 in XRCC1 gene is a breast cancer risk factor, but is not related to TP53 mutation status.

Yalda Arghavarian, Mina Adampour, Nasser Pouladi, **Nazanin Bagherlou**, MohammadAli HosseinpourFeizi, Esmaeil Babaei . Genetika, Vol 52, No.3, 867-879.

<https://doi.org/10.2298/GENSR2003867A>

(ISI ARTICLE)

**Under review article:**

●The first documentation of the NON-LFS/NON-LFL breast cancer family in Iran: An azeri female patient harboring a splice site mutation in the TP53 and review of the Li-Fraumeni-associated TP53 splicing mutations.

Nasser Pouladi, **Nazanin Bagherlou**, MohammadAli HosseinpourFeizi, Narges Dastmalchi, Under review at Iranian journal of pathology. Editor in chiefs decision: revised manuscript will be accepted as soon as possible.

●**under preparation article:**

Bioinformatic approaches and Modern vaccine design to support COVID-19 vaccine development.

**Nazanin Bagherlou**, Safar Farajnia

## Additional information

**International posters:**

●study of malondialdehyde and hs-CRP serum levels with extent coronary artery disease. International congress of medical lab and clinic .Tehran,Iran 2015.

●evaluation of fibrinogen, plasmin and plasminogen plasma levels in non-smoking patients with coronary artery disease. International congress of medical lab and clinic. Tehran,Iran 2015

●mutation of k-ras codon 12 proto-oncogene association with human ovarian tumors. International congress of medical lab and clinic. Tehran,Iran. 2015.

● the roles of P53R2 in cancer progression based on the new function of mutant P5 and cytoplasmic P21. International congress of medical lab and clinic, Tehran,Iran 2015.

**workshops and certificates:**

● Advance workshop for 2months on APPLICATION OF BIOINFORMATICS AND Next Generation Sequencing IN GENOMICS DATA ANALYSIS", workshops in collaboration with **England Salvia Medical sciences LTD**, I will receive this certificate until september 1 th 2021. 01/09/2021

● Advance workshop on specific primer design (REAL-TIME, Micro RNA, HRM, ARMS) at Pars Novin Gene Afzar research institute & Dr Bidoki Medical Genetic center, Tehran Iran.2018

●Work shop on General Primer Design at Pars Novin Gene Afzar research institute & Dr Bidoki Medical Genetic center, Tehran Iran.2018

**Honors and Awards**

●Ranked 400th among over 15,000 Participants Nationwide biology Entrance Exam (M.Sc)

●Full Scholarship (Merit-Based) - University of Mohaghegh Ardabili

●Half Academic (Merit-Based) Scholarship - Azarbaijan Shahid Madani University

**Driving licence** driving licenceB

**Attachments** Passport,  
CV,  
Master science diploma and Transcripts  
Bachelor Science diploma and Transcripts  
Workshops and certificate of attendance on specific primer design (REAL-TIME, Micro RNA, HRM, ARMS).  
Posters  
List of publications