

Curriculum Vitae



Name: Raheleh Norouzi

Degree: MSc in cellular and molecular biology-Genetics

Job Title: Scientist

Nationality: Iranian

Date of Birth: 05-06-1989

Gender: Female

Address: Post Code: 7189949335, Dehkhoda lane 50, Blvd Dehkhoda, Golestan, Shiraz, Fars, Iran

Phone: +989176776293

Email: r.norouzi@sci.ui.ac.ir, rahilnorouzi6864@gmail.com

Research interests:

Medical Genetics, Molecular Genetics, Cytogenetics, Biotechnology, Drug design, Protein engineering, Stem cells, ART

Education and Academic Appointments:

Present Position

- Medical – molecular genetic lab personnel, Shiraz, IRAN (3years)
- Cytogenetic section founder and manager in Dr.Goodarzi genetic laboratory
- Research Assistant in the research plan "Production of recombinant interferon beta drug including targeted mutations in 27 and 101 codons in HEK293 cell line" with the support of Iranian National Science Foundation (INSF), Grant No: 92042856 in Genetic research Laboratory, University of Isfahan.

M.Sc. in cellular and molecular biology (Genetics):

09/2012 - 1/2015

- University of Isfahan, Isfahan, Iran
- GPA: 19.27/20
- Thesis: Production of Recombinant Construction pBud.CE4.1IFN β Including Recombinant Interferon-beta Gene and Transfection into HEK293 Cell Line
- Supervisor: Dr. Zohreh Hojati

Curriculum Vitae

B.Sc. in cellular and molecular biology (Genetics):

09/2008 - 07/2012

- Shahid Chamran University of Ahvaz, Ahvaz, Province- Khozestan, Iran.
- GPA: 17.62/20

Publications:

- **Raheleh Norouzi**, Zohreh Hojati, Moein Dehbashi, " in vitro and computational studies on the effects of ARE deletion and targeted mutations on the expression of interferon beta-1a in HEK293T cells"Applied microbiology and biotechnology (2018):1-13 IF: 3.42
- **Raheleh Norouzi**, Zohreh Hojati. Construction of pBud.CE4.1 IFN β (Human Beta Interferon) and Analysis of its Expression Level in Transfected HEK293 Cell via This Construct. Journal of Isfahan Medical School Vol. 33, No. 354, 2nd Week, December 2015(Persian).
- **Raheleh Norouzi**, Zohreh Hojati, Zahra Badr. Overview of the recombinant proteins purification by affinity tags and tags exploit systems. Journal of Fundamental and Applied Sciences ISSN:1112-9867. Volume 8 N $^{\circ}$. Special issue 3 (2016) issue of J. Fundm. Appl. Sci
- **Raheleh Norouzi**, Zohreh Hojati. Production of recombinant construction pBud.CE4.1IFN β -1a including recombinant Interferon beta gene and transfection into HEK293 cell line. First International and 13th Iranian Genetics Congress May 24-26, 2014, Tehran, Iran.
- **Raheleh Norouzi**, Zohreh Hojati "Evaluation of interferon beta protein expression in HEK 293T cell-line transfected by recombinant Pbud.ifnbeta-1a, Biosciences, Biotechnology Research Asia, Vol.13, NO,02-2016.
- **Raheleh Norouzi**, Zohreh Hojati " overview of purifying recombinant proteins methods mediated by affinity tags and methods of making out tags" 2nd international conference on research in Engineering, science and technology, United Arab Emirates Dubai, 27 February 2016.
- **Raheleh Norouzi**, Zohreh Hojati. Design of non-chromatographic purification-vectors for optimization of purification process of pharmaceutical proteins and industrial enzymes. First International and 13th Iranian Genetics Congress May 24-26, 2014, Tehran, Iran.
- **Raheleh Norouzi**, Ali Jazaeri, Zahra Badr, Zohreh Hojati. Protein Purification Tags. The National Conference of Biology and Environmental Sciences. August 2015, Golestan, Gorgan.
- Ali Jazaeri, **Raheleh Norouzi**, Zahra Badr. Familiarity with the techniques of ISSR-PCR and Vectorette PCR. The National Conference of Biology and Environmental Sciences. August 2015, Golestan, Gorgan.
- Zohreh Hojati, Fahimeh Golestaneh, **Raheleh Norouzi** "Designing and intein as a self-cleaving fusion tag" 2nd innovation in cellular and molecular Iranian congeress1394.

Curriculum Vitae

Participants:

- Attended in a practical workshop of "SDS-PAGE and Western Blotting" in the University of Isfahan, 02/2014. Isfahan. Iran.
- Attended in a theoretical and practical workshop of "RNA extraction, cDNA synthesis and Real time PCR" in the Royan institute, 05/2014. Isfahan, Iran.
- Attended in the practical workshop for "Bio-Safety" in the University of Isfahan 10/2013. Isfahan. Iran.
- Participated in the "DNA Extraction, PCR and Electrophoresis" workshop in the Biotechnology and Biology Research Center of Shahid Chamran University of Ahvaz, 05/2011. Ahvaz, Iran.
- Attended in the 2nd practical workshop of "Molecular docking and computational drug design" in the University of Isfahan. 02/2015. Isfahan. Iran.
- Participated in the "Innovation Management National Conference" which was held on 27th of January 2016 conducted by Iran MBA Society.

Awards:

- DAAD Fellowship (summer internship) to take training in Molecular Medicine in University of Jena, Germany.
- International Conference on Research in Engineering, Science and Technology (REST) on February 27th 2016 in United Arab Emirates – Dubai , Australian Universal Academy, SCIENTIA POTENTIA EST.
- INSF Award (Iran National Science Foundation), best presented research plan

Technical skills and proficiencies:

Dry lab:

Professionals: Bioinformatics, Primer design (especially for Tetra primer ARMS PCR and Real-time PCR), Primer 3, Allel ID, Oligo7, gene Runner, Molegro viewer and docker, Snap gene viewer, CLC, Protein and genome data bases (NCBI, Ensemble, GTR, Gene Reviews, PCR discovery, OMIM), Opticon monitor TM³ analysis software (BioRad), Gene Marker (data analysis for QF-PCR, Paternity), Sex determination analysis with Real-Time PCR, Chromas, EndNote, Microsoft Windows.

Familiar: Hex, Modeller, Auto Dock

Wet lab:

Professional: ELISA, PCR, Molecular cloning, SDS PAGE, Western blot, Stripping, Proliferation assay, Signaling assay, Immunohistochemistry, DNA, RNA and protein extraction, Free cell DNA extraction, Growth assay, Death assay, Virus stimulation, Senescence assay, Apoptosis assay, Electrophoresis, Dot Blot, Bradford assay, Bacterial and eukaryotic cell culture, Isolating blood compartments, RT-PCR, QF-PCR, Transfection, Spectrophotometry. Real-time PCR.

Curriculum Vitae

Restriction Fragment Length Polymorphism (RFLP). ARMS-PCR, TA cloning, MTT assay, FACS.

Familiar: SOEing PCR, Column chromatography, Mass spectroscopy, Tissue microarray

Languages:

English (working knowledge), Persian (native).

References:

- Dr. Zohreh Hojati: Associate Professor

Division of Genetics, Biology Department, Faculty of Sciences, University of Isfahan, Isfahan, Iran. z.hojati@sci.ui.ac.ir. Mobile no: +989133287903

- Dr. Sadegh Vallian : Professor

Division of Genetics, Biology Department, Faculty of Sciences, University of Isfahan, Isfahan, Iran. svallian@sci.ui.ac.ir +989131816213

- Dr. Manoochehr Tavassoli: Associate Professor

Division of Genetics, Biology Department, Faculty of Sciences, University of Isfahan, Isfahan, Iran. manoochehr@sci.ui.ac.ir +989131127886