



Name: Vida Mirzaie

Date of Birth: 14, 04, 1990

Sex: Female

Marital Status: Married & One Child

Nationality: Iranian

Address: Department of Anatomy, Faculty of Medicine, Kerman University of Medical Sciences, Kerman, Iran.

@: vh.mirzaie68@yahoo.com

☎: (98) 9366486117

Languages

1/ Persian

2/ English

Educations

1/ Ph.D. in Anatomy, school of Medicine, Kerman University, Iran 2014

2/ M.Sc. in Anatomy, school of Medicine, Kerman University, Iran 2012

3/ B.Sc. in Anesthesia, school of Paramedical sciences, Kerman University, Iran; 2008

Occupation

Assistant Professor of Anatomy

English teacher at Andishe_o_bayan English institute.

Teaching Experience

1/ Theoretical and practical gross anatomy to B.Sc., M.Sc., Medical students (anatomy, embryology, histology)

2/ English in all levels (basic, intermediate, advance)

3/ English to Ph.D. students

Research Interests

1/ Bioinformatics

2/ Cell culture

3/ Gene therapy

- 4/ IVF
- 5/ Animal studies
- 6/ Histopathology
- 7/ Cloning

Skill-set

- 1/ Bioinformatics
- 2/ HLA typing
- 3/ Electrophoresis
- 4/ PCR, RT-PCR
- 5/ DNA/RNA extraction
- 6/ Primer designing
- 7/ Cell culture
- 8/ Cell extraction
- 9/ Animal perfusion
- 10/ Slide preparing and staining
- 11/ IVF
- 12/ Cloning and cell transfection
- 13/ English teaching and translation
- 14/ Teaching Anatomy, Embryology and Histology
- 15/ Dissection
- 16/ SPSS and Endnote softwares

Honors

owning highest score in B.Sc., M.Sc. and Ph.D. period
6th grade in M.Sc. entrance test
3rd grade in Ph.D. entrance test
Top student in M.Sc. and Ph.D. period
Member of talented students committee

Technical Proficiency

Cell and tissue culture: Isolation and culture of bone marrow and human umbilical cord stem cells. Culture and preservation of different normal and cancerous cell lines. Evaluation of cell proliferation and cell cycle study. Cloning and cell transfection.

Animal handling: Rats/Mice

Molecular analysis: Isolation and estimation of genomic DNA/RNA from cells and tissue, cDNA synthesis, PCR amplification, Restriction digestion, carried out agarose and polyacrylamide gel electrophoresis, quantitative real-time PCR of specific genes.

Histopathology: Sampling and tissue processing of different tissues like brain, ovary, kidney, liver and so on. Slide preparing and staining.

Current Researches

- 1/** Fabrication of the Teucrium podium's petroleum ether fraction nano lipids and evaluation of their cytotoxicity and angiogenesis effects in in vitro and ex vivo
- 2/** Evaluation of the LncRNA expression in combination with NOTCH signaling pathway from brain tumor comparing to adjusted non-cancerous tissue.
- 3/** Evaluation of genotoxic effects of the risk factors: mobile phone radiation, microwave and pesticide residue in the in vivo test
- 4/** The role of cannabinoid agonist and antagonists on folliculogenesis, oogenesis, oocyte maturation and the evolutionary events in mice
- 5/** Design and Synthesis of Engineered CRISPR/Cas9 Nucleases in case of Target Editing of Mutated Fibroblast Growth Factor Receptor 3 (FGFR3) gene, as an agent responsible for achondroplasia disease, and analysis of the system's function in achondroplasia model cells in vitro

Submitted papers

- 1/** Gene therapy methods in Brain cancer treatment; a systematic review
- 2/** Coronavirus in the past decade; characteristics, outbreaks and treatments: A systematic review
- 3/** Effects of alcohol and nicotine co-administration on follicular atresia and placenta histomorphology in the first-generation mice pups during pregnancy and lactation periods
- 4/** Evaluation of the effects of Urtica dioica root and Rosa damascena petal extracts on andropause and reproductive characteristics in middle-aged male rats
- 5/** Evaluation of the Butyrylcholinesterase expression and activity in CHO, HEK-293 and Vero Cell Lines transformed by Dual Promoter Expression Vector

Published papers

- 1/** Nano-graphene oxide-supported APTES spermine, as gene delivery system, for transfection of pEGFP-p53 into breast cancer cell lines
- 2/** Enhancing the Butyrylcholinesterase Activity in HEK-293 Cell Line by Dual-Promoter Vector Decorated on Lipofectamine
- 3/** HLA Association with Multiple Sclerosis in South- Eastern of Iran

INTERESTS

Reading, watching movies, Traveling, Swimming

Translations/Books

Cell culture e-book

Last update: November, 2020