

Hoda Keshmiri-Neghab

Personal Information

Date of Birth: 21thSeptember, 1986
Gender: Female
Nationality: Iranian
Marital status: Married
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Education

Ph.D. Biophysics

Institute of Biochemistry and Biophysics (IBB), University of Tehran, Tehran, Iran.

GPA: 18.33/20

Ph.D Thesis: Enhancement in Cardiac Optogenetic of Isolated Rat Cardiomyocyte by Vitamin A

Supervisor 1: Bahram Goliaei, Professor of Biophysics and Bioinformatics, Institute of Biochemistry and Biophysics, University of Tehran, Tehran, Iran

Supervisor 2: Ali Akbar Saboury, Professor of Biophysics, Institute of Biochemistry and Biophysics, University of Tehran, Tehran, Iran

Research Visit

Institute of Cancer Research, Department of Medicine, Comprehensive Cancer Center, Medical University of Vienna, Vienna, Austria

Project: "Analysis of FGFR1 phosphotyrosine site requirements for FGFR1-mediated EMT and angiogenesis".

Supervisor: Assoc. Prof., Dr. Michael Grusch

M.Sc. Biophysics

Institute of Biochemistry and Biophysics (IBB), University of Tehran, Tehran, Iran

GPA: 17/20

MS Thesis: "Gossypol Increases Radiosensitivity of Radioresistant malignant glioma"

Supervisor: Bahram Goliaei, Professor of Biophysics and Bioinformatics, Institute of Biochemistry and Biophysics, University of Tehran, Tehran, Iran

B.Sc. Biotechnology
Shahed University, Tehran, Iran.
GPA :16.15/20

Publications

- **Hoda Keshmiri Neghab**, Bahram Goliaei, Ali Akbar Saboury, Gholamreza Esmaeeli Djavid, Jun Hong and Michael Grusch. Modulation of Cardiac Optogenetics by VitaminA. *Biofactors*, 2019, 1-8, <https://doi.org/10.1002/biof.1564>
- **Keshmiri-Neghab, H.**, Goliaei, B., Saboury, A.A., Moosavi-Movahedi, A.A. Overview on differential scanning calorimetry. Applications for early stage of cancers: Brief report. *Tehran University of Medical journal* (2016), 74(5): 371-375.
- **Keshmiri-Neghab, H.**, Goliaei, B., Nikoofar, A. Gossypol enhances radiation-induced autophagy in glioblastoma multiforme. *General Physiology and Biophysics* 33(4), (2014).
- **Keshmiri-Neghab, H.**, Goliaei, B. Therapeutic potential of gossypol: An overview. *Pharmaceutical Biology* 52(1), (2014).
- **Keshmiri-Neghab, H.**, Goliaei, B., Nikoofar, A. Effects of gossypol on radio sensitivity of U-87MG cell line by *in vitro* colonogenic assay. *Laser in medicine* (2014).

Research Projects

- Analysis of FGFR1 phosphotyrosine sites requirements for FGFR1 mediated EMT and angiogenesis. Executive: Institute of Cancer Research, Department of Medicine, Medical University of Vienna, Vienna, Austria (finished)
- Control of Cardiac Mammalian Cells through Optogenetics in Isolated Rat Cardiomyocyte. Executive: Medical Laser Research Center, Yara Institute Academic Center for Education, Culture and Research (ACECR), Tehran, Iran (finished)
- Optogenetic control of osteogenic differentiation of MSC. Executive: Medical Laser Research Center, Yara Institute Academic Center for Education, Culture and Research (ACECR), Tehran, Iran (ongoing).

Lectures and Poster Presentations

- Stimulation of cardiomyocyte by light. the 4th International and 6th National Congress of Wound and Tissue Repair (2019), Tehran, Iran (Oral)
- FGFR1 phosphotyrosine site requirements for FGFR1-mediated EMT and angiogenesis. 6th Immunotherapy of Cancer Conference (ITOC6), Vienna, Austria, 2019. (Poster)
- Plant polyphenols as potent radiosensitizers. 12th world congress on polyphenols applications; Bonn, Germany 2018. (Poster)
- Application of Light Sensitive Protein (Opsin) in Neuroscience, the 2nd International and 4th National Congress of Wound Healing and Tissue Repair (2017), Tehran, Iran (Oral)
- Optogenetics: Basic Concepts and Their Applications, Seminars in Biophysics. Institute of Biochemistry and Biophysics (IBB), (2016) University of Tehran, Iran (oral)
- Low Level Laser Promotes Proliferation and Differentiation of Stem Cells, The 2nd National festival & International Congress on Stem Cell & Regenerative Medicine (2017), Tehran, Iran. (Poster)
- Biophysical Approaches of Wound Healing, the 1nd International and 3th National Congress of Wound Healing and Tissue Repair, (2015), Tehran, Iran. (Oral)
- The Effect of Gossypol on Radiosensitivity of Radioresistant Malignant Glioma, The 18th National and 6th International Congress of Biology in Iran (2014), Tehran, Iran. (Poster)

Workshops

- Experimental cancer research from plan to publication. Medical University of Vienna, Vienna. Austria. 2019
- Research ethics in animal models, Breast Cancer Research Center, Tehran, Iran, 2017
- Scientific writing, Academic Center for Education, Culture and Research (ACECR), Tehran, Iran, 2017
- Optogenetic approaches for pre-clinical studies, Neuroscience research center, shahid besheshti university of medical science, 2015.