



Date of birth: 30st Jun 1989



Cellular and Molecular
Endocrine Research
Center, Research Institute
for Endocrine Sciences,
Shahid Beheshti
University of Medical
Sciences.
Tehran-Iran



+98(21)22432500
(ext.139)



setarehshivaee@gmail.com
setareh_shivaee@yahoo.com

Setareh Sadat Shivaee

Experience

From 2018 to now

Researcher and laboratory executive Cellular and molecular research center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran

From 2016 to 2018

collaborator in research project ,Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Education

- MSc: *Molecular genetics*, Islamic Azad University, North Tehran Branch, Tehran-Iran, 2014 -2016


MSc. Thesis: " Analysis of main somatic mutations of the *RET* proto-oncogene in Iranian thyroid carcinoma patients ".

- BSc: *Cellular and molecular*, Islamic Azad University, Tehran Center Branch, Tehran-Iran, 2008-2012

Skills & Abilities

Molecular Laboratory Experiences

- DNA, RNA & protein Extraction ,purification (from blood ,tissues & cell line)
- PCR techniques (RT-PCR, ARMS, Real-Time PCR)
- RFLP (restriction fragment length polymorphism)
- Electrophoresis techniques (Protein and DNA agarose and polyacrylamide)
- Silver Staining Methods for Poly acrylamide gel (Protein and DNA)
- Western Blotting
- DNA Methylation

- 
- cDNA Synthesis
 - Primer Design for PCR

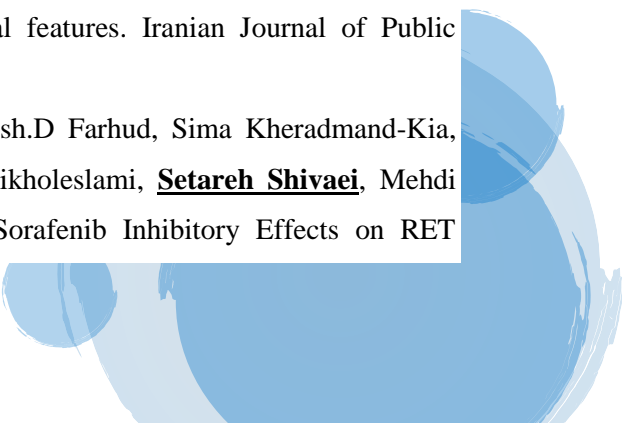
Cell Culture Laboratory Experiences

- Preparation of Medium
- Recovery of Cryopreserved Cells
- Cryopreservation
- Media changes
- Passaging cells
- Transfection and transduction
- Cell Counting
- Drug Treatment Of Cancer Cell lines
- MTT Assay

Software Skills

- Microsoft Office, EndNote
- Statistical analysis software; GraphPad prism
- Primer Design Soft wares; Gene runner, , Primer3,UCSC

Journal publication

1. Sara Sheikholeslami, Fereidoun Azizi, Asghar Ghasemi, Abbas Alibakhshi, Hossein Parsa, Seyed Mohammad Tavangar, **Setareh Shivaee**, Marjan Zarif Yeganeh, Mehdi Hedayati, Ladan Teimoori-Toolabi. NOL4 is downregulated and hyper-methylated in Papillary Thyroid Carcinoma suggesting its role as a tumor suppressor gene. Int J Endocrinol Metab. 2020 Oct 19;18(4):e108510.
 2. Sara Sheikholeslami, Fereidoun Azizi, Asghar Ghasemi, Abbas Alibakhshi, Hossein Parsa, **Setareh Shivaee**, Marjan Zarif Yeganeh, Mehdi Hedayati, Ladan Teimoori-Toolabi. The epigenetic modification of SLC5A8 in Papillary Thyroid Carcinoma and its effects on clinic-pathological features. Iranian Journal of Public Health (in press).
 3. Marjan Zarif-Yeganeh, Dariush.D Farhud, Sima Kheradmand-Kia, Azam Rahimpour, Sara Sheikholeslami, **Setareh Shivaee**, Mehdi Hedayati. Vandetanib and Sorafenib Inhibitory Effects on RET
- 



Tyrosine Kinase Downstream Pathway. Iranian Journal of Public Health (in press).

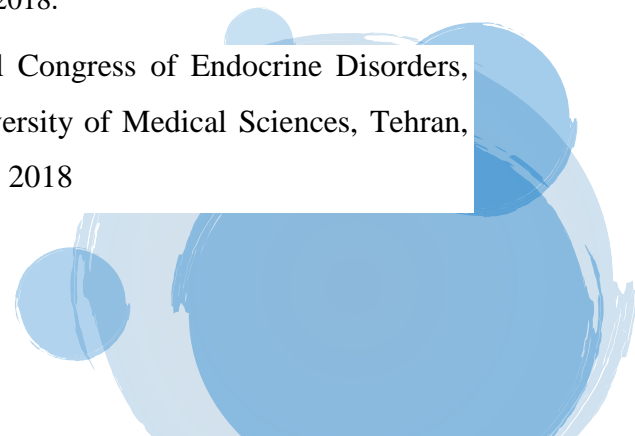
4. Marjan Zarif-Yeganeh, Dariush.D Farhud , Sima Kheradmand-Kia, Azam Rahimpour , Sara Sheikholeslami, **Setareh Shivaee**, Mehdi Hedayati. Optimization and Validation of RET Gene Knockout using CRISPR System in Medullary Thyroid Carcinoma Cell lines. Iranian Journal of Public Health (in press).

International Congress & Symposium (Published Abstracts)

5. Setareh Shivaee, Marjan Zarif Yeganeh, Sara Sheikholeslami, Pazad Parviz, Seyed Mohammad Tavangar, Mehdi Hedayati. RET proto-oncogene somatic mutation in Sporadic Medullary Thyroid Carcinoma patients. 12th International Congress of Endocrine Disorders, November 2018, 14-16 (Oral presentation).
6. sara sheikholeslami, marjan zarif yeganeh, setareh shivaee, mehdi hedayati, seyed mohammad tavangar. Expression of mir-129, mir-146, mir-183, and mir-197 in Follicular Thyroid Carcinoma and Adenoma tissues. The 3rd International Congress on Biomedicine. (6-14) November 2019. (Oral presentation).

Workshop, course, & symposium

- Third International and Fifteenth Iranian Genetics Congress
Iranian Genetics Society .Tehran,Iran ;May,2018
- Workshop of scientific paper writing Research Institute of
Endocrine Sciences, Shahid Beheshti University of Medical
Sciences, Tehran, Iran; 2018.
- The 12th International Congress of Endocrine Disorders,
Shahid Beheshti University of Medical Sciences, Tehran,
Iran; As Speaker, Nov 2018





- Advanced Analysis and Interpretation of Research and Clinical Q-RT-PCR Data, Iranian Molecular Medicine Tehran, Iran ;Network,Dec 2017
- Workshop of Real Time PCR. Pasteur Institute, Tehran, Iran; 2016
- 5th National Seminar on Genetic Counseling and Prevention of Disability Iran University of Medical Sciences . Tehran, Iran ;Aug 2016
- The Fundamentals of Cell Culture .NATIONAL Council for Stem Cell Research and Technology. Tehran, Iran; Nov 2012

Communication

I was as a leader in 1 research projects and cooperated as a teammate in nine8 projects.

References

Mehdi Hedayati, Ph.D.
Professor in Biochemistry,
Head, Cellular and Molecular Endocrine Research Center, Research
Institute for Endocrine Sciences
hedayati@endocrine.ac.ir



