CURRICULUM VITAE
MAHSHID MALAKOOTIAN, PH.D.

Date and place of birth: March 21th 1981, Tehran, IRAN
Nationality: Iranian
Professionnal address: Rajaie Cardiovascular Medical & Research Center;
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Google scholar: https://scholar.google.com/citations?user=zCueSzEAAAAJ&hl=en

RESEARCH EXPERIENCE

2016-2017 **Post-Doctorate fellow**, Experimental Medicine
Laboratory of Biochemical Neuroendocrinology,
Montreal Clinical Research Institute (IRCM),
McGill, University, Montreal, Canada
Project title: "Analysis of PCSK7 RNA regulators and their validation in cells and mouse models"

2014 – 2015 **Post-doctoral Fellow**
Department of Genetics, Faculty of Biological Sciences,
Tarbiat Modares University, Tehran, Iran

2011 – 2012 **Visiting Research Scholar**
Center for RNA Molecular Biology, Case Western Reserve University School of Medicine, Cleveland, Ohio, USA

2009 – 2014 **Ph.D., Molecular Genetics**
Department of Genetics, Faculty of Biological Sciences,
Tarbiat Modares University, Tehran, Iran
Thesis title: "Expression and functional analysis of three long non-coding RNAs (PSORS1C3, ANCR and Linc-ROR) in the course of neural differentiation and tumorigenesis"

2004 – 2007 **M.Sc., Biology: Molecular Genetics**

Department of Genetics, Faculty of Biological Sciences,
Tarbiat Modares University, Tehran, Iran
Thesis title: "Evaluation of Nucleostemin gene expression and its variants in tumoral tissues of brain"

2002 – 2004 **Research assistant**
Department of Genetics, Faculty of Biological Sciences,
Tarbiat Modares University, Tehran, Iran

1999 – 2002 **B.Sc., Biology: Cellular and Molecular Sciences**
Department of Biology, Faculty of Basic Sciences,
The University of Tehran, Tehran, Iran
Thesis title: "Genomic imprinting

ACADEMIC POSITION

2021-present Associate Professor of Molecular genetics
Cardiogenetic Research Center,
Rajaie Cardiovascular Medical and Research Center,
Tehran, Iran

2018- Present Head of Cardiogenetic Research Center,
Rajaie Cardiovascular Medical and Research Center,
Tehran, Iran

2015-2021 Assistant Professor of Molecular genetics
Cardiogenetic Research Center,
Rajaie Cardiovascular Medical and Research Center,
Tehran, Iran

2015-present Board member of Research Deputy,
Rajaie Cardiovascular Medical and Research Center,
Tehran, Iran

HONORS AND AWARDS

2019 Best young researcher
(Awarded by Research Deputy Rajaie Cardiovascular Medical and Research Center)

2017 Best young researcher
(Awarded by Research Deputy Rajaie Cardiovascular Medical and Research Center)

2014 Top Thesis award
(Awarded by the Iranian Council of Stem Cell Technology)

2012-2013 Top Ideas award (two years in a row)
(Awarded by the Iranian council of Stem Cell Technology)

2014 Top-in-class during Ph.D. studies
2010 AACR Scholar-In-Training Award
2009 1st rank in the Ph.D. Entrance Examination in Molecular Genetics (awarded by Tarbiat Modares University, Tehran, Iran)
2009 4th rank in Ph.D. Entrance Examination in Cell and Molecular Biology (awarded by the Ministry of Science, Research, and Technology)
2009 2nd rank in Ph.D. Program of Cell and Molecular Biology, Ferdowsi (awarded by University of Mashhad, Khorasan-Razavi Province, Iran)

Grants

1- Screening the Nucleotide Changes of PCSK9 Gene in Iranian Normal Population and Cardiovascular Patients with familial hypercholesterolemia supported by Iran National Science foundation

2- Evaluating the effect of novel linc-ROR variants on the production of induced pluripotent stem cells(ipsc) supported by Iranian stem cell council

3- The evaluation of noncoding RNAs profile during the differentiation of embryonic stem cells to cardiomyocyte and comparing this profile with CAD patients noncoding RNAs profile to find specific diagnostic biomarker by Iranian stem cell council

4- Bioinformatical and experimental analysis of nucleotide changes, expression alteration and alternative splicing of a long noncoding RNA, ANRIL, in premature CAD Patients: to find a specific molecular biomarker related to CAD in Iranian Population Supported by **NIMAD**

US Patent

Seyedeh Fatemeh Razavipour, Amir Bagheri, **Mahshid Malakootian**, Mohammad Ali Faghihi, Mohammad Vasei, Seyed Jawad Mowla, (2016) Utilizing novel microRNA,miR-her2-1, to diagnose, classify, and treat breast and ovarian cancer.

VARIANT GENE DISCOVERY AND SEQUENCE:

Malakootian M, Fouani Y, Taheri E., Saberi H., Mowla S.J.-
Linc-ROR novel variants (**2-14**); GenBank accession number: AB844430, AB844431, AB844432, AB844433, AB908956, AB932951, .. respectively.

Malakootian M., Mirzadeh F, Naeli P, Fouani Y, Mowla S.J.
Newly discovered variants OCT4C and **OCT4C1**; GenBank accession number: AB971680, AB971681

Malakootian M., Mirzadeh F, Naeli P, Fouani Y, Mowla S.J
Novel spliced variants of PSORS1C3 (**1-25**); GenBank accession number: AB932952, AB932953, AB932954, AB933312, AB933313, AB933314, AB933320, AB933321, … respectively.

Shahryari,A.R., Foani,Y., Alipour,N., **Malakootian M**., Shafiee,M., Saberi,H., Kalhor,H.R. and Mowla,S.J.
SOX2DOT2-S1; GenbBank accession number: JQ408703

PROFESSIONAL SOCIETIES

- American Association for Cancer Research (AACR)
- Iranian Genetics Society (IGS)
- Iranian Biotechnology Society

TEACHING EXPERIENCE

- Molecular genetics, Shahed University
- Advanced Molecular Genetics, Lab Course , Shahed University
- Research Assistant in Dr. Mowla's laboratory

PUBLICATIONS

1. Gholipour A, Shakerian F, Zahedmehr A, Irani Sh, **Malakootian M**, Mowla SJ, Bioinformatics analysis to find novel biomarkers for Coronary Heart Disease, Iranian journal of public health (Accepted).

2. Futuhi F, **Malakootian M**, Maleki M, Peighambari MM, Hosseini Moghadam M, Boudagh Sh, Arabian M, Intravenous vitamin C to prevent contrast-induced nephropathy in patients undergoing percutaneous coronary interventions, Iranian Heart Journal (Accepted)

3. **Malakootian M**, Faraji M, Malakootian M, Majid, Nozari M , Ciprofloxacin removal from Aqueous Media by Adsorption Process: A Systematic Review and Meta-analysis, Desalination and Water Treatment 229 (2021) 252–282.

4. Moradi A, Maleki M, Ghaemmaghami Z, Khajali Z, Noohi F, Hosseini Moghadam M, Kalyinia S, Mowla S.J, Seidah N.G, **Malakootian M**, Mutational Spectrum of LDLR and PCSK9 Genes Identified in Iranian Patients With Premature Coronary Artery Disease and Familial Hypercholesterolemia, Front. Genet. 12:625959, 2021.ce

5. **Malakootian M**, Futuhi F, Arabian M. Role of epicardial adipose tissue in cardiovascular diseases. Razi J Med Sci. 2019;26(10):28-37(Persian)

6. Kalayinia S, Arjmand F, Maleki M, **Malakootian M** , Pal Singh Ch, MicroRNAs: roles in cardiovascular development and disease, Cardiovascular Pathology 50 107296,2021.

7. Arabian M, Mirzadeh Azad F, Maleki M, **Malakootian M** ,Insights into microRNAs role in cardiac development, cardiac diseases and developing novel therapies, The Iranian Journal of Basic Medical Sciences, 2020.

8. Mirzadeh Azad F, Arabian M, Maleki M, **Malakootian M**, Small Molecules with Big Impacts on Cardiovascular Diseases, Biochem Genet. 2020 Jan 29.

9. Mirzadeh Azad F, **Malakootian M**, Naeli P, Mowla SJ, lncRNA PSORS1C3 is regulated by glucocorticoids and fine-tunes OCT4 expression in non-pluripotent cells, **Scientific reports** 9(1) 8370, 2019.

10. Mirzadeh Azad F, **Malakootian M**, Mowla SJ, The regulatory effect of lncRNA PSORS1C3 on different variants of OCT4 in non-pluripotent cells, .Journal of Cell and Molecular Research, 2019.

11. Gholipour A, Sharifi-Zarchi A, Shakerian F, Zahedmehr A, Oveisi M, Arabian M, Maleki M, Taheri Bajgan E, Mowla SJ, **Malakootian M**, In Silico Analysis on mRNA, lncRNA, and miRNA Expression Profiles in Ischemic Cardiomyopathy Left Ventricular Tissues and Differentiated Cardiomyocytes, World Heart Journal ISSN: 1556-4002 Volume 11, Number 4 (2019).

12. **Malakootian M,** Mirzadeh Azad F, Fouani Y, Taheri Bajgan E, Saberi H, Mowla SJ "Anti-differentiation non-coding RNA, ANCR, is differentially expressed in different types of brain tumors. J Neurooncol. 2018 Jun;138(2):261-270"

13. Naeli P, Mirzadeh Azad F, **Malakootian M**, Seidah NG, Mowla SJ**,** Post-transcriptional Regulation of PCSK9 by miR-191, miR-222, and miR-224, Front Genet. 2017 Nov 27;8:189.

14. **Malakootian M**, Mirzadeh Azad F, Naeli P, Pakzad M, Fouani Y, Taheri Bajgan E, Baharvand H, Mowla SJ "Novel spliced variants of OCT4, OCT4C and OCT4C1, with distinct expression patterns and functions in pluripotent and tumor cell lines. Eur J Cell Biol. 2017 Jun;96(4):347-355.

15. Mirzadeh Azad F, Naeli P, **Malakootian M**, Baradaran A, Tavallaei M, Ghanei M, Mowla SJ(2016). Two lung development-related microRNAs, miR-134 and miR-187, are differentially expressed in lung tumors. Gene.15;577(2):221-6.

16. Sahebi R, **Malakootian M**, Balalaee B, Shahryari A, Abbaszadegan MR, Moradi A, Khoshnia M, Mowla SJ (2015) "Linc-ROR and its spliced variants 2 and 4 are significantly upregulated in esophageal squamous cell carcinoma." *The Iranian Journal of Basic Medical Sciences*.

17. **Malakootian, M**, Fouani Y, Naeli P, Mirzadeh Azad F, Ziaee S, Mowla S (2015) "A long noncoding RNA, ANCR, is unregulated in bladder and breast tumor tissues." *Journal of Cell and Molecular Research* 7(1): 26-31.

18. **Malakootian M**, Mirzadeh Azad F, Naeli P, Fouani Y, Mowla SJ (2014) "A long non-coding RNA, PSORS1C3, located upstream of the human Oct4 gene is expressed in pluripotent and tumor cell lines." *Modares J Med Sciences* 17(3): 107-118.

19. **Malakootian M**, Mowla SJ, Saberi H, Atlasi Y, Shafaroudi AM (2010) "Differential expression of Nucleostemin, a stem cell marker, and its variants in different types of brain tumors." *Mol Carcinog* 49(9): 818-825.

20. Shafaroudi AM, Mowla SJ, Ziaee SA, Bahrami AR, Atlasi Y, **Malakootian M** (2008) "Overexpression of BMI1, a polycomb group repressor protein, in bladder tumors: a preliminary report." *Urol J* 5(2): 99-105.

21. **Malakootian, M.**, Yaghmaeian, K., Malakootian, M. Wood ash effectiveness in cadmium removal from paint industrial effluent, Pakistan Journal of Biological Sciences, 2006, 9(2), pp. 248–252

NATIONAL AND INTERNATIONAL CONFERENCES

1. **Malakootian M** (2020) "The application of molecular genetic testing in cardiovascular diseases" fourth International and sixteenth Iranian Genetic Congress (**oral presentation in English**).

2. **Malakootian M**, (2019), Novel therapies for decreasing cholesterol level based on PCSK9 molecular inhibitors, the third international personalized medicine congress of Iran (**oral presentation in English**)

3. **Malakootian M,** (2018) Noncoding RNAs in cardiovascular diseases (**oral presentation in English**), 6th Iranian joint cardiovascular congress.

4. **Malakootian M**, (2016)" The oct4 genomic structure revisited: a part for psors1c3" Second International and Fourteenth Iranian Genetic Congress.(**Invited as a key speaker, oral in English**)

5. Malakootian M, (2016) "Linc-ROR variants" First national symposium on genetics and stem cells (**Invited speaker).**

6. Moradi A, **Malakootian M**, Maleki M, Ghaemmaghami SZ, Soveizi M, Saedi S, Mowla SJ, (2016), The study of LDLR gene mutations in cardiovascular patients with Hypercholesterolemia, Second International and Fourteenth Iranian Genetic Congress.

7. **Malakootian M**, Taheri E, Mirzadeh Azad F, Fouani Y, Pakzad M, Baharvand H, Mowla SJ (2015)" The long intergenic noncoding RNA ROR (Linc-ROR) is vastly processed to create different spliced variants in pluripotent and nonpluripotent cells "EMBO/EMBL symposia; The Non-Coding Genome"

8. **Malakootian M**, Mirzadeh F, Naeli P, Fouani Y, Mowla SJ (2015) "Novel spliced variants of a stem cell specific lincRNA are differentially expressed in human pluripotent and nonpluripotent cells." Stem Cells and Regenerative Medicine International Conference (**oral presentation)**

9. Mirzadeh F, **Malakootian M**, Naeli P, Fouani Y, Mowla SJ (2015) "Characterizing Genomic Features of OCT4 Entangled Long Non Coding RNA." Stem Cells and Regenerative Medicine international conference

10. Naeli P, **Malakootian M**, Mirzadeh F, Fouani Y, Mowla SJ (2015) "PSORS1C3 , a Long Noncoding RNA Located Upstream Of the Oct4 Gene Is Expressed In Plouripotent and Cancer Cell Lines." Stem Cells and Regenerative Medicine International Conference

11. Taheri BE, **Malakootian M**, Faghihi MA, Mowla SJ (2015) "Bioinformatic Analysis of A Potential Regulatory Role of Linc-ROR as a Competing Endogenous RNA for Oct4A." Stem Cells and Regenerative Medicine International Conference

12. Razavipour SF, Bagheri A, **Malakootian M**, Miroloaei M, Vasei M, Mowla SJ (2015) "Validation of novel miRNA in amplified Her2 genomic region with potential effect on cancer stem cells." Stem Cells and Regenerative Medicine International Conference

13. **Malakootian M**, Fouani Y, Mowla SJ (2014) "Expression pattern of Linc-ROR during neural differentiation and experimental verification of a predicted microRNA within its second intron." 1st International & 13th Iranian Genetics Congress (**oral presentation in English**)

14. Fouani Y, **Malakootian M**, Mowla SJ (2014) "Expression and function of Anti-differentiation Non-Coding RNA, ANCR, during neural differentiation of stem cells." 1st International & 13th Iranian Genetics Congress

15. **Malakootian M**, Mowla SJ (2014) "Bioinformatical and experimental analysis of three long noncoding RNAs in stem and cancer cells." Novel findings in the comprehensive national congress biology (**oral presentation**)

16. **Malakootian M**, Fouani Y, Saberi H, Mowla SJ (2013) "Anti differentiation non-coding RNA, ANCR, is differentially expressed in different types of brain tumors." 13th Iranian Congress of Biochemistry & 5th International Congress of Biochemistry and Molecular Biology (**Oral Presentation in English**)

17. Fouani Y, **Malakootian M**, Shahryari A, Saberi H, Mowla SJ (2013) "Differential expression of two novel variants of SOX2OT in different types of brain tumors." 13th Iranian Congress of Biochemistry & 5th International Congress of Biochemistry and Molecular Biology

18. Shahryari A, Fouani Y, **Malakootian M**, Saberi H, Mowla SJ (2013) "Identification of five novel splice variants of noncoding RNA SOX2DOT that are differentially expressed in human brain cancers." 13th Iranian Congress of Biochemistry & 5th International Congress of Biochemistry and Molecular Biology

19. Zhang B, **Malakootian M**, Niazi F, Gunawardane L, Valadkhan S (2011) "A long non-coding RNA is upregulated in cancer and mediates resistance to apoptosis." Cell Symposia on Regulatory RNAs

20. Rohban S, Rafiee MR, Shafaroudi AM, **Malakootian M**, Ghorbanmehr N, Mowla SJ (2011) "Elucidation of the role of miR-302 in the induction of TGF-beta signaling pathway in tumor cells." 12th International Congress of Human Genetics

21. Shafaroudi AM, Rohban S, Rafiee MR, **Malakootian M**, Kalhor HR, Mowla SJ (2011) "A rare subpopulation of miR-302-expressing glioma cell lines is enriched by serum deprivation." Human Genome Meeting

22. Rohban S, Rafiee MR, Ghorbanmehr N, **Malakootian M**, Mowla SJ (2011) "The role of ESC-specific microRNA, miR-302, in the induction of stemness property of brain tumor cells." [Cell Journal (Yakhteh) 12 (Supplement 1): 54-54] 1st International Student Congress on Cell and Molecular Medicine

23. **Malakootian M**, Mowla SJ, Asadi Mh, Saberi H, Shafaroudi AM (2010) "Differential gene expression of Nucleostemin, a stem cell marker, and its variants in different types of brain tumors." 2nd AACR Dead Sea International Conference on Advances in Cancer Research: From the Laboratory to the Clinic

24. **Malakootian M**, Malekzadeh A, Atlasi Y, Ziaee AM, Mowla SJ (2007) "Evaluation of Nucleostemin gene expression, an stem cell marker, in bladder tumoral and non-tumoral samples." 9th Iranian Congress on Biochemistry & 2nd International Congress on Biochemistry and Molecular Biology

25. Malekzadeh A, **Malakootian M**, Atlasi Y, Ziaee AM, Mowla SJ (2007) "Evaluating the expression of Bmi-1 in bladder and brain tumors and analyzing its repression function on its downstream targets P16Ink4a and P14Arf." 9th Iranian Congress on Biochemistry & 2nd International Congress on Biochemistry and Molecular Biology

26. **Malakootian M**, Atlasi Y, Jafarnejad SM, Saberi H, Mowla SJ (2006) "Differential gene expression of Nucleostemin, a stem cell marker, in different

types of brain tumors." 2nd International Congress on Cancer (**Oral Presentation in English**)

Reviewing manuscripts of different scientific journals and research project for receiving fund as a reviewer and abstracts in congress as board of scientific member,

- Referee of the human genetics session of fourth International and sixteenth Iranian Genetic Congress (2020), with reviewed of 42 abstracts.
- Referee of the Medical genetics session of fourth International and sixteenth Iranian Genetic Congress (2020), with reviewed of 4 abstracts.
- Review editor in Frontiers in genetics journal (RNA)
- Scientific review of paper entitled" Role of MicroRNA-499 in cardiac development and disease submitted in Iranian Journal of Basic Medical Sciences (2020).
- Scientific review of paper entitled" MicroRNAs may provide new strategies in the treatment and diagnosis of diabetic retinopathy: Importance of VEGF" published in Iranian Journal of Basic Medical Sciences (2020).
- Scientific reviewer of proposal No398/9176 submitted to NIMAD (National institute for Medical Research Development. (2019) http://rms.nimad.ac.ir/RefereeCertificate.php?ID=5TQBRSC96K40YO
- Scientific review of the research proposal no. 398/467915 submitted to Iran National Science Foundation (INSF). (2019) https://rtms.insf.org/RefereeCertificateEn.php?ID=58HYQ7582J8P8)
- Scientific review of paper entitled "Transcriptional Repression of CYP3A4 by Increased miR-200a-3p and miR-150-5p Promotes Steatosis in vitro" published in frontiers in genetics (2019).
- Scientific review of paper entitled" miRNome Reveals New Insights into the Molecular Biology of Field Cancerization in Gastric Cancer" published in frontiers in genetics (2019).
- Scientific review of paper entitled "LncRNA ST8SIA6-AS1 promotes lung adenocarcinoma progression through sponging miR-125a-3p "published in frontiers in genetics (2020).
- Scientific review of paper entitled" Distinct Circulating Expression Profiles of Long Non-coding RNAs in Heart Failure Patients with Ischemic and Non-ischemic Dilated Cardiomyopathy "published in frontiers in genetics (2019).
- Scientific review of paper entitled" Analysis of microRNAs associated with carotid atherosclerotic plaque rupture with thrombosis"published in frontiers in genetics (2021)**.**
- Scientific review of 6 papers submitted in frontiers in genetics which are rejected after reviewing.
- Scientific review of two papers entitled "Protective strategies among cardiovascular patients against dust phenomenon exposure applying protection motivation theory" and "Analysis of Out-of-hospital cardiac arrest and ozone pollution: A qualitative study" (2019-2020) submitted to Environmental Health engineering and management journal. http://ehemj.com/revcert.php?id=150608.104528661.602016199)

Thesis Supervisor

1- (MS) Analysis the Expression of miR-15 in Blood and Epicardial Adipose Tissue (EAT) in Patients with Coronary Artery Disease (CAD)(Nazanin Anbarestani,2020)
2- (MS) The consideration of role and expression gene of osteopontin in atril fibrillation incidence and electrical and structural remodeling of heart (Negar Mohammadi, 2019)
3- (MS) Gene expression alteration of Bmi1 and a potential noncoding RNA(100130992) gene in tumor and marginal non-tumor tissues of gastric and gastric tumor cell line AGS (Farnaz Babaei, 2017)
4- (MS) The study of PCSK9 and LDLR genes sequence alteration in cardiovascular patients with Familial hypercholesterolemia (Arman Moradi, Sep2016)

Thesis Advisor

1- (PhD) A study of the expression of miRNAs with distinct expression in cardiac differentiation pathway and in serum of coronary artery (CAD) patients (Akram gholipour, ongoing)
2- (PhD) Scrutinizing the association between genetic variants within ANRIL and its expression alterations in premature coronary artery disease patients and finding potential novel ANRIL-derived noncoding RNAs (Elham taheri bajgan, ongoing)
3- (MS)Analysis the Expression of miR-503 in Blood and Epicardial Adipose Tissue (EAT) in Patients of Coronary Artery Disease (CAD)(Farnoosh Solati,2020)
4- (PhD) Investigating effects of PSORS1C3 gene overexpression and suppression on transcriptome of NTera2 and 5637 cell lins using RNA sequencing(Fatemeh MirzadehAzad, 2019)
5- (PhD)Predicting microRNAs targeting PCSK(3'-UTR using bioinformatics tools and their experimental validation(Parisa Naeli,2018)
6- (MS) Gene expression alteration of survivin and a potential noncoding RNA(LACAT73) gene in tumor and marginal non-tumor tissues of gastric and gastric tumor cell line AGS(Bahar Farjah, 2018)
7- (MS) Evaluation of the expression level of NANOGNB and TCF19 genes in various cell lines and during neuronal differentiation of NTERA2 cells (Taraneh Fakhimi, Feb2017)
8- (MS) Gene expression alteration of Bmi1 and a potential noncoding RNA(100130992) gene in tumor tissue and marginal nontumor tissues of breast and breast tumor cell lines MDA-MB-231 and MCF-7 (Marzieh heidari,2017)
9- (MS) differential expression of Linc-RoR variants in MCF-7 & MDA-MB251 cell lines and tumor & Margin of Tumor samples of breast cancer(Mozhgan Sadat Akhtar, 2016)

Workshop instructor, Member of the scientific committee, Member of the organizing committee

1- Presented **"Regulatory RNAs in cardiovascular development"** on a one-day workshop

titled RNA based approaches in Molecular cardiovascular research (2018) held by Rajaie Cardiovascular Medical and Research Center, Tehran, Iran.
(Member of the scientific committee, Member of the organizing committee)

2- Presented "**How to get information from UCSC genome browser"** on a two-day workshop titled **predicting miRNAs and their target genes using bioinformatics** (2018) held by 3rd international and 15th Iranian Genetic Congress.

3- Presented "**An introduction to Immunohistochemistry: Basic principles"** on a one-day workshop titled **IHC applications in cardiovascular diseases** (2018) held by Rajaie Cardiovascular Medical and Research Center, Tehran, Iran.
(Member of the scientific committee, Member of the organizing committee)

4- Presented "**How to design oligonucleotides for different types of PCR**" on a one-day workshop titled **Fundamentals and Principles of Primer Design for Various Molecular Techniques** (2018) by Rajaie Cardiovascular Medical and Research Center, Tehran, Iran.
(Member of the scientific committee, Member of the organizing committee)

REFERENCES

1. Dr. Seyed Javad Mowla (M.Sc. & Ph.D. Supervisor)
   Professor
   Department of Genetics, Faculty of Biological Sciences
   Tarbiat Modares University
   Tehran, Iran
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   sjmowla@modares.ac.ir

2. Dr. Nabil G. Seidah (Post Doctorate Supervisor)
   Professor
   Institut de Recherches Cliniques de Montréal (IRCM)
   110 Avenue des Pins
   Montréal, QC H2W 1R7
   Nabil.Seidah@ircm.qc.ca

3. Dr. Majid Sadeghizadeh
   Professor
   Department of Genetic, Faculty of Biological Sciences
   Tarbiat Modares University
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   Tel: +98-2182884409
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4. Dr. Hooshang Saberi (M.Sc. advisor)
   Assistant Professor
   Department of Neurosurgery

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5. Dr. Saba Valadkhan (Supervisor)
Assistant Professor
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