

Curriculum Vita

Farkhondeh Pouresmaeili

Personal Details:

Country of birth: Iran

Address (work): 6th floor, Medical Genetics Department, Faculty of Medicine, Shahid Beheshti University of Medical Sciences, Velenjak Bolvd. Kodakyar Close, Tehran, 1985-17443, Iran.

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Current Status:

Professor of Department of Medical Genetics, Faculty of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, 1985-71 7443, Iran.

A member of the Research Council in the Men's' Health and Reproductive Health Research Center (MHRHRC), Shahid Beheshti University of Medical Sciences, Tehran- Iran.

My Research Interests:

- 1) Reproductive genetics
- 2) Prenatal diagnosis of genetic disorders
- 3) Women's Health

Further Education:

- **2015:** Hybrid Course in Medical Genetics at ESGM'S Remote Training Center of Tehran (Iran), Bertinoro di Romagna (Italy), May 15th -21st 2015.
- **Post Doctoral Fellow**, University of British Columbia (UBC), Medical Genetics Department, Child's & Family Research Institute (CFRI), Vancouver BC, Canada. January 23rd - June 15th 2012:

- **Training in Prenatal diagnosis for genetic disorders for Down syndrome**, British Columbia University (UBC), Faculty of Medicine, Medical Genetics Department, Child's & Family Research Centre, Vancouver, BC, Canada, January 2012- August 2012.
- **Training in Stage/gestational Analysis for Genetic disorders using ABI system**. British Columbia University (UBC), Faculty of Medicine, Medical Genetics Department, Child's & Family Research Centre, Vancouver, BC, Canada, January 2012- August 2012.
- **Training in Copy Number Repeat (CNV) Analysis in POF women**. British Columbia University (UBC), Faculty of Medicine, Medical Genetics Department, Child's & Family Research Centre, Vancouver, BC, Canada, January 2012- August 2012.
- **Training in Genotyping Assay for POF Etiology and its relation to the Regulation by miRNAs**, British Columbia University (UBC), Faculty of Medicine, Medical Genetics Department, Child's & Family Research Centre, Vancouver, BC, Canada, January 2012- August 2012.
- **Methylation Assay to identify the imprinted genes**. British Columbia University (UBC), Faculty of Medicine, Medical Genetics Department, Child's & Family Research Centre, Vancouver, BC, Canada, January 2012- August 2012.
- **Training in assay for the Methylation Rate and Disease etiology**. British Columbia University (UBC), Faculty of Medicine, Medical Genetics Department, Child's & Family Research Centre, Vancouver, BC, Canada, January 2012- August 2012.
- **Training in Application of web sites: UCSC, miRBase**. British Columbia University (UBC), Faculty of Medicine, Medical Genetics Department, Child's & Family Research Centre, Vancouver, BC, Canada, January 2012- August 2012.
- **Telemedicine and e-Health**, Shahid Beheshti University of Medical Sciences, Faculty of Medicine, Tehran-Iran, Nov. 1st-2nd. 2006
- **Hybrid Course in Medical Genetics** at ESGM'S Remote Training Center of Tehran (Iran), Bertinoro di Romagna (Italy), May 15th -21st. 2005

- **Molecular Cytogenetics and DNA Micro arrays.** Bertinoro di Romagna (Italy), Nov. 12th – 17, 2005.
- **1993-1997:** *Ph. D* in Molecular Biology and Genetics. McGill University
Thesis title: Molecular Cloning and Structural Analysis of the Gene Encoding the PERF15 Protein in The Perinuclear Theca of the Rat Spermatozoa, Supervised by: Professor Richard Oko and Dr. Carlos Morales.
- **1992-1992:** Cancer Studies, Molecular Genetics Research Center, Ludwig Institute, RVH. McGill U., Montreal- Canada. Looking For a Breast Cancer, Gene Marker. Supervised by: Professor Morag Park.
- **1989-1988:** *M.Sc.* in Genetics, Tarbiat Modares University, Tehran- Iran.
- **1976-1982:** *B.Sc.* in Biology, Tehran University, Tehran- Iran.

Work Experience:

Feb. 1999 - Current: Associate Professor in Medical Genetics Department, Faculty of Medicine, Shahid Beheshti University of Medical Sciences, Tehran- Iran.

Feb. 1999 - Current: A member of judgment committees for research projects, Medical Genetics Department, Faculty of Medicine, Shahid Beheshti University of Medical Sciences, Tehran- Iran.

March 2010 - Current: Educational director of the Medical Genetics Department, Faculty of Medicine, Shahid Beheshti University of Medical Sciences, Tehran- Iran.

September 2005- Current: A member of judgment committees for research projects, Infertility and Reproductive Health Research Center (IRHRC), SBMU Taleghani Educational and Treatment Hospital.

2005 - Current: A member of judgment committee for research articles in ROYAN Institute, Tehran- Iran.

2014- Reviewer, scientific articles in Journal of Pediatric Endocrinology and Metabolism; and scientific articles reviewer in Elsevier.

Sep.2003 - May 2004: Genetic counselor in Taleghani hospital, Tehran-Iran.

1992 - 1993: Research Assistant in Molecular Genetics Research Center, Ludwig Institute, Royal Victoria Hospital (RVH), Oncology Department, McGill University, Montreal- Canada.

1989 - 1991: Leader of Genetics Laboratory, Shahid Beheshti University.

1987-1988: Lecturer, Biology Department, Shahid Chamran University, Ahvaz-Iran.

Skills- Summary:

Molecular Techniques:

- 1) Miniprep Preparation
- 2) DNA/ RNA Extraction from Blood, Urine, Solid tissues
- 3) Plasmid Isolation (CSCL gradient/ gel electrophoresis)
- 4) Cell & Tissue Culture
- 5) Preparation of Competent Cells by Electroporation
- 6) Southern Blot
- 7) Northern Blot
- 8) Handling radio-isotopes
- 9) PCR and I-PCR, nested PCR
- 10) Gene- Library Screening
- 11) cDNA Library Screening
- 12) DNA Construction
- 13) RFLP-PCR
- 14) Real-Time PCR
- 15) Restriction Map Analysis
- 16) Primer Design
- 17) Methylation assay: DNA Bisulfite Conversion; Pyrosequencing
- 18) Prenatal diagnosis of human diseases
- 19) Gene polymorphism assay

Cytogenetics:

- 1) Karyotyping
- 2) G-Banding
- 3) C-Banding
- 4) FISH

Languages:

- Persian (Native Speaker)

- English (Intermediate)
- Arabic (Basic)

Computer:

- Knowledge in Microsoft word, Power Point, Internet, web sites: UCSC, miRBase, primer blast, NEBcutter, dbSNP,
- Touch-type in English and Persian.

Teaching Experience:

- PhD courses: Semiology, Cytogenetics, Advanced Cytogenetics, Cancer genetics and advanced cancer genetics, Molecular genetics and advanced Molecular Genetics, Human genetics and the advanced course, Epigenetics, Genetic treatment of human diseases, PGD and PND.
- Medical Students courses: The Study of Human Chromosomes, The Principles of Infertility, Reproductive Genetics, Molecular Genetics, Molecular Biology, Bacterial Genetics for Microbiology, Medical Genetics, ...
- M.Sc courses: Students Medical Genetics, Genetic counseling, Cytogenetics, Trends in Human Genetics, Human Genetics, Genetic engineering, Immunogenetics, Tissue engineering,...

Done Project:

1. An association study on LINP1, PVT1, HOTTIP, and H19 long non-coding RNAs expression with prostate cancer (2024).
2. The study of androgen receptor gene expression and its downstream and upstream lncRNAs in the blood of patients with benign prostatic hyperplasia and prostate cancer (2024).
3. The effect of lactobacillus Crispatus cell extract on gene expression of Axin2, GSK3 of Wnt pathway in uterus cell lines (2024).
4. Expression analysis of PCA3, PSA, and two long non-coding RNA genes ARLNC1, UCA1 related to androgen receptor signaling pathway in the blood of prostate cancer patients (2024).

5. Investigating changes in PTPN11 gene expression in exposure to *Lactobacillus crispatus* extract in ENSC cell line (2023).
6. Comparison between vaginal lactobacilli strain obtained from women with recurrent abortion and fertile women without abortion history and Isolation of Natural *Lactobacillus Crispatus* (2023).
7. Evaluation of the relationship between TNF- α -308 G/A and TNF- α -1031T/C - IL-6 - 174 G/C and IL-1A -889 G/A gene polymorphisms with polycystic ovary syndrome in a population of Iranian patients compared with the control group (2023).
8. Evaluation of the relationship between TNF- α -308 G/A and TNF- α -1031T/C - IL-6 - 174 G/C and IL-1A -889 G/A gene polymorphisms with polycystic ovary syndrome in a population of Iranian patients compared with the control group (2023).
9. The Study of Long Noncoding RNAs linc00861, MEG3, PDCD4-AS1, RHPN1-AS1, IGFBP7-AS1, DINO, CCAT1 Expression Level and Its Association with invasive Breast ductal carcinoma (2022).
10. The Study of Tumor suppressor genes, PDCD4, P53, Expression Level and Its Association with invasive Breast ductal carcinoma (2022).
11. Expression analysis of PCA3, PSA, and two long non-coding RNA genes ARLNC1, UCA1 related to androgen receptor signaling pathway in the blood of prostate cancer patients (2023).
12. Interaction between PSA, PCA3 and androgen receptor signaling pathway long noncoding RNAs in prostate cancer (2023).
13. Gene Expression Analysis of BDNF, BDNF_AS and MIAT in a Group of Iranian Schizophrenic Patients in Comparison to Control Group (2021).
14. Co-expression analysis of long noncoding RNAs MCM3AP-AS1, Znf337-AS1, AC14450.2, LINC00663, RAMP2-AS1, and APTR with predicted target genes from GATA3/FOXA1/ESR1/FOXM1 axis in invasive-ductal carcinoma breast of tissue (2021).

15. Evaluation of hormone therapy effect on expression changes of GSTP1, RASSF1, HDAC, DNMT3a and DNMT3b genes in patients with prostate cancer (2021).
16. Evaluation of GSTP1 gene expression changes in peripheral blood of a group of Iranian men with prostate cancer (2021).
17. Investigating the expression of *NEAT1*, *TUG1*, *MALAT1*, *PANDA* in IUGR placentas (2021).
18. An association Study between effective SNPs IL1B-511 and Resistin cytokines with PCOS in a population of Iranian women (2019).
19. Identification of the Cell type expressing the Human *FABP9* Gene (2019).
20. An Association study on rs361525 and rs1800629 TNF-a Gene Variants to the Increased Risk of Prostate Cancer.
21. The Association between ccfDNA concentration and integrity index with prostate cancer in peripheral blood of a group of Iranian Patients referring to Shahid Beheshti University of Medical Sciences (2019).
22. Expression of hTERT in placenta of IUGR pregnancy in an Iranian population (2018).
23. An Association study on UGT2B28 ,UGT2B17 و UGT2B15 Gene Variants to the Increased Risk of Prostate Cancer (2017).
24. Analysis of Relative Telomeric DNA Length in Patients with POF Compare to Healthy Fertile Women (2016).
25. A study on FMR1 gene CGG repeats in women affected with idiopathic premature ovarian failure.
26. Analysis of Relative Telomeric DNA Length in Patients with Azoospermia Compare to Healthy Fertile men (2015).
27. Association Study between CYP17, CYP19 and CYP3A4 Gene Polymorphisms and Prostate Cancer in Men Referred to the hospitals affiliated to Shahid Beheshti University of Medical Sciences (2012).

28. A Study on the Association between Osteoporosis and the BsmI Allelic Polymorphism of Vitamin D Receptor (VDR) in Patients Referred to Loghman hospital (2012).
29. Detection of PERF15 gene mutations and its association with sperm morphological defects (2011).
30. A study on the existence of Inhibin α -subunit gene mutation in a population of Iranian women with premature ovarian failure (2009).
31. A Study on the Association between Osteoporosis and the Allelic Polymorphism of ER-alpha in patients referred to Loghman hospital.
32. A Study on the Chromosome Anomalies in Women with Premature Ovarian Failure.
33. Cloning and sequencing Human PERF15 gene.

Ongoing Projects:

1. Identifying lncRNAs of MMP11 signaling pathway in relation to breast cancer metastasis and investigating their effect on prognosis and disease diagnosis (2024).

Learned Society Membership:

- Genetic Engineering & Biotechnology Research Center of Iran.
- Infertility Research Center for Reproductive Health (IRHRC), Taleghani Hospital, Tehran- Iran.

Awards:

- SBMU research grant for a published article in a valuable scientific journal.
- Review article of the year: **Farkhondeh Pouresmaeili (PhD)**, Zahra Fazeli (Ph.D.). Premature Ovarian Failure: A Critical Condition in the Reproductive Potential with Various Genetic Causes. Int J Fertil Steril, Vol 8, No 1, Apr-Jun 2014 (17th Royan International Congress on Reproductive Biomedicine and 12th Congress on Stem Cell Biology & Technology. August 31- September 2, 2016, Royan Institute, Tehran- Iran).
- Sabbatical at UBC, Canada, Health Ministry of Iran (2012)

- Fellowship for M.Sc. Studentship, Experimental Medicine Dept., McGill University, Canada (1992).
- Scholarship for PhD Studentship, Health Ministry of Iran (1991)

Poster Presentation:

1. Saeideh Alidoost, Mohsen Habibi, **Farkhondeh Pouresmaeili**. An association between TNF –a polymorphisms and increased risk of prostate cancer. CB 2018. Tehran-Iran.
2. Saeideh Alidoost, Mohsen Habibi, **Farkhondeh Pouresmaeili**. The study of association between tumor necrosis factor-a polymorphisms and increased risk of prostate cancer among Shohadaye Tajrish hospital patients. CB 2018. Tehran-Iran.
3. **F. Pouresmaeili**, Zahra Fazeli. Basic science research and treatment of infertility. National Seminar of Basic Medical Sciences on Health. Shahid Beheshti University of Medical Sciences, Tehran-Iran, 2015.
4. **F. Pouresmaeili**, Shadi Sayban, Hamed Heidari. The importance of Epigenetic, environment and Nutrition on Health. National Seminar of Basic Medical Sciences on Health. Shahid Beheshti University of Medical Sciences, Tehran-Iran, 2015.
5. **F. Pouresmaeili**, the Most Common Environmental Risk Factors for Prostate Cancer in Iranian Patients. The 7th Congress of IRHRC on trends in Fertility and Infertility, Jan 23, 2015, Tehran-Iran.
6. **F. Pouresmaeili**, Saeideh Zamani. Stem cell stimulation, Epigenetic regulation, Gamete formation. The 7th Congress of IRHRC on trends in Fertility and Infertility, Jan 23, 2015, Tehran-Iran.
7. **F. Pouresmaeili**, J. Jamshidi. Investigation of association between FABP9 gene mutations and sperm morphological defects in a group of Iranian Men. European Human Genetics Conference 2012.
8. J. Jamshidi, **F. Pouresmaeili**. Association of vitamin D receptor gene BsmI polymorphisms with bone mineral density in a population of Iranian women. European Human Genetics Conference 2012.

9. **Pouresmaeili. F.** A study on the Mutagenic and Teratogenic Effects of Chemical War Agents on the Health. International Congress on Environmental Effects on Reproductive Health, Tehran, 2011, 67.
10. **Farkhondeh Pouresmaeili**, Genetics and personality test. 2nd Iran Annual International Forensic Medicine, March 2010.
11. Fallahian M, **Pouresmaeili F**, Azizi F, Zali MR, Samani EN, Kharaziha P. A Study on the Existence of Inhibin alpha- subunit Gene Mutation in a Population of Women with Premature Ovarian Failure. 10th Congress on Reproductive Medicine- 5th Congress on Stem Cell Biology & Technology. September 23-25, 2009, Tehran- Iran.
12. **Pouresmaeili F.**, Fallahian M., Azizi F., Azargashb E., Arian N., Karimi S., Shirafkan A. A Study on the Chromosome Abnormalities in Women with Premature Ovarian Failure. The 13th congress of Iranian Society of Reproductive Medicine, 2-4 of Esfand 1385, Tehran- Iran.
13. **F. Pouresmaeili**, A. Roohi, M.J. Tehrani, E. Azargashb, J. Ghasemi, T Khalili, Sh. Samangoee, B. Kazemi, M. Akhoondi, Romatology Department of Loghman Hospital. A Study on the correlation between ER-alpha gene polymorphism and Osteoporosis in Iranian women. The 56th ASHG Annual Meeting July 26.2006.
14. **Pouresmaeili F.**, Morales C., Oko R., ‘Sequence Analysis of the Rat Testicular Gene Encoding the Perinuclear Theca Protein. The American Society for Cell Biology. USA, 1995.
15. Korley R., **Pouresmaeili F.**, Oko R. ‘Cloning and Developmental Expression of an mRNA encoding the major perinuclear theca protein of mouse spermatozoa. The American Society for Cell Biology. USA, 1995.

Invited Lecturer:

- 1) Management Committee at the 3rd Congress on Men’s Health Male Infertility and Common Cancers; 11th IRHRC Annual Meeting. February 20-22, 2019. Tehran-Iran.
- 2) Invited Speaker at the 2nd IRHRC Annual Meeting of Men’s Health- Male Infertility. February 21-23, 2018. Tehran-Iran. ‘Life style factors and reproductive Health in Men’.

- 3) Invited Speaker at a “Symposium on the effects of environmental pollutants and occupational complications on fertility”, October 24th, 2017, Saveh-Iran. “The Effect of Stress and microstress on fertility”.
- 4) Invited Speaker at a “Symposium on the effects of environmental pollutants and occupational complications on fertility”, July 6th, 2017, Tehran-Iran. “The Role of Physical Activity on Semen Quality”. (The Effect of Stress and microstress on fertility”.
- 5) Invited Speaker at the 9th IRHRC Annual Meeting Reproductive and Infertility Updates. The First Congress on Male Infertility. November 16-18, 2016, Tehran-Iran. “The Role of Physical Activity on Semen Quality”.
- 6) Invited Speaker at the 9th IRHRC Annual Meeting Reproductive and Infertility Updates. The First Congress on Male Infertility. November 16-18, 2016, Tehran-Iran. “Azoospermia”.
- 7) Invited Speaker at the 9th IRHRC Annual Meeting Reproductive and Infertility Updates. The First Congress on Male Infertility. November 16-18, 2016, Tehran-Iran. “MicroRNAs and Fertility”.
- 8) Key note speaker at the 7th Congress of IRHRC on trends in Fertility and Infertility, Jan 23, 2015, Tehran-Iran.
- 9) Invited Speaker at the 7th Congress of IRHRC on trends in Fertility and Infertility, Jan 23, 2015, Tehran-Iran. “The Most Common Environmental Risk Factors for Prostate Cancer in Iranian Patients”.
- 10) Invited Speaker at the 7th Congress of IRHRC on trends in Fertility and Infertility, Jan 23, 2015, Tehran-Iran. “Stem cell stimulation, Epigenetic regulation, Gamete formation”.
- 11) Scientific secretary of the 6th Congress of IRHRC on trends in Fertility and Infertility, Jan.7-9 2014, Tehran-Iran.
- 12) Epigenetic panel dean, the 6th Congress of IRHRC on trends in Fertility and Infertility, Jan.7-9 2014, Tehran-Iran.

- 13) Invited professor at BC Clinical Genomics Network 4th Annual Conference. "Clinical Genomics-the Good, the Bad, and the Ugly" Vancouver, Canada April 2012.
- 14) Invited Speaker at Medical Genetics Dept., UBC, CFRI, May 2012. A journal club program for postgraduates." Dynamic CpG island Methylation Landscape in Oocytes and Preimplantation Embryos".
- 15) Invited Speaker at Tehran University of medical sciences, Nov.19, 2009. Genetic counseling before marriage. An educational program for GPs.
- 16) Invited Speaker at 8th Royan International Twin Congress, Sep 5- 7th 2007, Tehran-Iran. "Cloning and Sequence Analysis of a Novel Gene Encoding A Testis Lipid Binding Protein (PERF15) in Human".
- 17) Invited Speaker in Pediatrics Dept., Taleghani hospital, May 2nd, 2003. "The Molecular Principles of Genetic Disorders".
- 18) Invited Speaker at 6th Biochemistry Congress, Iran University of Medical Sciences, Oct. 22-25th 2001. "Analysis of The Protein Composition of Sperm Perinuclear Theca and Characterization of It's Major Protein Composition"
- 19) Invited Speaker at Milad Hospital. "A Training Program for ENT Specialists: Deafness Syndromes" Winter 2002, Tehran-Iran
- 20) Invited Speaker at Taleghani Hospital." Principles of Genetic Disorders", 26th Apr.,2003, Tehran-Iran
- 21) Invited Speaker at New Aspects in Genetics Seminar, "Cloning & Vectors", Feb.8-9th 2003, SBU, Tehran-Iran
- 22) Invited Speaker at Scientific and Practical Workshop of Human Genetics. "Introduction to Laboratory Methods in Diagnosis of Hereditary Diseases", July 16-18th 2000, SBU, Tehran-Iran
- 23) Invited Speaker at Scientific and Practical Workshop of Human Genetics."DNA Cloning" Feb.22-23rd 1999, SBU, Tehran-Iran
- 24) Invited Speaker at Molecular Biology Workshop, "Appropriate Vectors in Molecular Biology", SBU, Tehran-Iran, Apr.29th-May 2nd 2001

25) Invited Speaker at PCR & Cloning Workshop, 1) “ Specific Plasmids in Molecular Biology”, 2) “ Mutation”, 3) “ PCR- Principles and Primer Design”, May 6-9th 2001, SBU, Tehran-Iran

26) Invited Speaker at Molecular Biology Workshop, 1) “Plasmids; Usage in PCR”, 2) “ Vector Characteristics in Genetic Engineering”, 3) “Vectors in Molecular Biology”, 4 “ Site Directed Mutagenesis “, Sept., 11-20th 2000, SBU, Tehran-Iran

Publications:

1. Quality of Life in Patients with Melasma at Razi Dermatology Hospital in Tehran (2025)
2. Association investigation between IL-6 -174 G/C and IL-1A -889 C/T cytokine polymorphisms with polycystic ovary syndrome in a population of Iranian patients: A pilot study (2025)
3. Shiva Soleimani, **Farkhondeh Pouresmaeili** * Iman Salahshoori Far. Evaluation of lncRNAs as Potential Biomarkers for Diagnosis of Metastatic Triple-Negative Breast Cancer through Bioinformatics and Machine Learning (2024). DOI: 10.30498/ijb.2024.432171.3853
4. Nasser Simforoosh, Azadeh Arabi, Mahan Mohammadi, **Farkhondeh Pouresmaeili***, Bahman Jamali, Mehdi Azizmohammad Looha. Differentially Expressed Blood ARLNC1 in Combination with *PCA3/PSA* have Reassuring Clinical Applications in the Early Diagnosis of Prostate Cancer in Iranians: A pilot study (2025).
5. Farzaneh Fakharian · Amir Sadeghi · **Farkhondeh Pouresmaeili** · Neda Soleimani · Abbas Yadegar4 Immunomodulatory effects of live and pasteurized *Lactobacillus crispatus* strain RIGLD-1 on *Helicobacter pylori*-triggered inflammation in gastric epithelial cells in vitro (2023). <https://doi.org/10.1007/s11033-023-08596-x>
6. **Farkhondeh Pouresmaeili**, Saeideh Alidoost, Masoumeh Azimirad, Mehdi Azizmohammad Looha, Armitasadat Emami Meibodi, Atieh Abedin-Do6, Hourieh Shamshiri, Mahan Mohammadi2 · Iman Azari2 · Zahra Fazeli2 · Abbas Yadegar4,9 · Tayebeh S. Hosseinpour. Characterization of vaginal *Lactobacillus* species as a predictor of fertility among Iranian women with unexplained recurrent miscarriage and fertile women without miscarriage history using machine learning modeling. *Molecular Biology Reports*, <https://doi.org/10.1007/s11033-023-08745-2>
7. Nahal Eshghifar, Fatemeh Rouhollah, Nooshin Barikrow, **Farkhondeh Pouresmaeili**, Mohammad Taheri. The expression analysis of long non-coding

RNAs and p53 as a possible genetic signature in luminal: An invasive breast ductal carcinoma. *J Cancer Prev Curr Res.* 2023; 14(1):9–13.

8. Nahal Eshghifar, Fatemeh Rouhollah, Nooshin Barikrow, **Farkhondeh Pouresmaeili**, Mohammad Taheri. The role of long noncoding RNAs in patients with Luminal A invasive breast ductal carcinoma. *Pathology - Research and Practice* 227 (2021) 153645
9. Kasra Honarmand Tamizkar & Soudeh Ghafouri-Fard & Mir Davood Omrani & **Farkhondeh Pouresmaeili** & Shahram Arsang-Jang & Mohammad Taheri. Altered expression of lncRNAs in autism spectrum disorder. *Kasra. Metabolic Brain Disease.* <https://doi.org/10.1007/s11011-021-00681-z>.
10. Bita Hassani, Mohammad Taheri, Yazdan Asgari, Ali Zekri , Ali Sattari , Soudeh Ghafouri-Fard* and **Farkhondeh Pouresmaeili**. Expression Analysis of Long Non-Coding RNAs Related With FOXM1, GATA3, FOXA1 and ESR1 in Breast Tissues. *Frontiers in Oncology | www.frontiersin.org* 1 May 2021 | Volume 11 | Article 671418.
11. Elham Badrlou, Soudeh Ghafouri- Fard, Mir Davood Omrani, Seyedeh Morvarid Neishabouri, Shahram Arsang- Jang, Mohammad Taheri, **Farkhondeh Pouresmaeili**. Expression of BDNF- Associated lncRNAs in Treatment- Resistant Schizophrenia Patients. *Journal of Molecular Neuroscience* 05 January 2021 <https://doi.org/10.1007/s12031-020-01772-9>.
12. Nahal Eshghifar, Elham Badrlou and **Farkhondeh Pouresmaeili**. The roles of miRNAs' clinical efficiencies in the colorectal cancer pathobiology: A review article. 24/06/2020; 9:18 File: hab–1-hab200417 (Preprint)
13. Mahdi Gholipour, **Farkhondeh Pouresmaeili**. Curcumin and Cancer: Can It Supplement Chemotherapies. for Cancers? *Men's Health Journal.* 2020; 4(1): e25
14. Maryam Khani, Jalil Hosseini, Mohsen Habibi, Reza Mirfakhraie, Zahra Sadeghzadeh and **Farkhondeh Pouresmaeili**. Investigating the relationship between ccfDNA concentration, its integrity, and some individual factors in an Iranian population. 31/07/2020; 13:28 File: hab–1-hab200419 (Preprint)
15. Mahan Mohammadi, Shiva Irani, Iman Salahshourifar, Jalil Hosseini, Afshin Moradi and **Farkhondeh Pouresmaeili**. Investigation of GSTP1 and epigenetic regulators expression pattern in a population of Iranian patient with prostate cancer. 14/08/2020; 10:20 File: hab–1-hab200424 (Preprint)
16. Fereshteh Aliakbari ¹, **Farkhondeh Pouresmaeili**, Nahal Eshghifar, Zahra Zolghadr, Faezeh Azizi. Association of the MTHFR 677C>T and 1298A>C polymorphisms

and Male infertility risk: a meta-analysis. *Reproductive Biology and Endocrinology* (accepted).

17. Mohammadian, Shima, **Pouresmaeili, Farkhondeh**, Mohammadian, Aidac. Prognostic impact of ABO Blood group on Type I endometrial cancer in a population of Iranian patients. *Human Antibodies*, vol. Pre-press, no. Pre-press, pp. 1-5, 2020.
18. Mahan Mohammadi, Shiva Irani, Iman Salahshourifar, Jalil Hosseini, Afshin Moradi, **Farkhondeh Pouresmaeili**. The Effect of Hormone Therapy on the Expression of Prostate Cancer and Multi-Epigenetic Marker Genes in a Population of Iranian Patients. *Cancer Management and Research* 2020;12 3691–3697.
19. Behnam Kamalidehghan, Mohsen Habibi, Sara S Afjeh, Maryam Shoai, Saeideh Alidoost, Rouzbeh Almasi Ghale, Nahal Eshghifar, **Farkhondeh Pouresmaeili**. The Importance of Small Non-coding RNAs in Human Reproduction: A Review Article. *The Application of Clinical genetics*. Accepted on: Dec 5, 2019.
20. Saeideh Alidoost, Mohsen Habibi, Zahra Noormohammadi, Jalil Hosseini, Eznollah Azargashb and **Farkhondeh Pouresmaeili**. Association between tumor necrosis factor-alpha gene rs1800629 (-308G/A) and rs361525 (-238G > A) polymorphisms and prostate cancer risk in an Iranian cohort. *Human Antibodies* -1 (2019) 1–10. DOI 10.3233/HAB-190397.
21. **Farkhondeh Pouresmaeili**, ImanAzari, Shahram Arsang-Jang, Mohammad Taheri & Soudeh Ghafouri-Fard. Association between expression of long noncoding RNAs in placenta and pregnancy features. *Per Med*. 2019 Nov; 16(6):457-466. doi: 10.2217/pme-2018-0078. Epub 2019 Nov 6.
22. Moradi, Afshin^a | Forootan, Farzad S. Hosseini, Masoumeh, **Pouresmaeili, Farkhondeh** Leydig cells express the FABP9 in human testis. *Human Antibodies*, vol. Pre-press, no. 21 May 2019 pp. 1-4. DOI: 10.3233/HAB-190382.
23. SorayaSaleh-Gargari^{a1}SoudehGhafouri Fard, ZahraZandieh, SoheilaAnsariPour, **FarkhondehPouresmaeili**, AkramVatannejad. The rs16944 SNP in *IL-1B* and risk of polycystic ovarian syndrome. *Gene Reports* Volume 17, December 2019, 100547
24. Maryam Khani, Jalil Hosseini, Reza Mirfakhraie, Mohsen Habibi, Eznollah Azargashb, **Farkhondeh Pouresmaeili***. The value of the plasma circulating cell-free DNA concentration and integrity index as a clinical tool for prostate cancer diagnosis: a prospective case–control cohort study in an Iranian population. *Cancer Management and Research* 2019;11 4549–4556.

25. Iman Azari, Soudeh Ghafouri-Fard, Mir Davood Omrani, Shahram Arsang-Jang, Dor Mohammad Kordi Tamandani, Mehrnaz Saroone Rigi, Sara Rafiee, **Farkhondeh Pouresmaeili***, Mohammad Taheri. Expression of Long Non-Coding RNAs in Placentas of Intrauterine Growth Restriction (IUGR) Pregnancies. Reports of Biochemistry & Molecular Biology Vol.8, No.1, Apr 2019.
26. Sara Rafiee, Dor Mohammad Kordi Tamandani, Mehrnaz Saroone Rigi, Mohammad Ali Ghanbari, **Farkhondeh Pouresmaeili***. Expression of hTERT in placenta of IUGR pregnancy in an Iranian population. Meta Gene 19 (2019) 199–202.
27. **Farkhondeh Pouresmaeili**, Behnam Kamalidehghan, Maryam Kamarehei, Yong Meng Goh. A comprehensive overview on osteoporosis and its risk factors. Therapeutics and Clinical Risk Management 2018:14.
28. Shadi Sayban, Reza Mirfakhraie, Mir Davood Omrani, Hamid Ghaedi, Hamed Heidary, Hajar Yaghoobi, Fereidoun Azizi, **Farkhondeh Pouresmaeili***, Idiopathic Premature Ovarian Failure and its association to the abnormal longitudinal changes of telomere length in a population of Iranian Infertile Women: A pilot study. Meta Gene 18 (2018) 58–61.
29. Rezvaneh Asadi, Mir Davood Omrani, Hamid Ghaedi, Reza Mirfakhraie, Eznollah Azargash, Mohsen Habibi, **Farkhondeh Pouresmaeili***. Premutations of FMR1 CGG repeats are not related to idiopathic premature ovarian failure in Iranian patients: A case control study. Gene 676 (2018) 189–194.
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5. PJCP
6. Men's Health Journal
7. Elsevier journals
8. Dove press journals
9. Journal of Reproduction & Infertility

Postgraduate Supervised Thesis

- Elham Badrlue, 2021, MSc in Human Genetics, Tehran-Iran.
- Iman Azari, 2019, MSc in Human Genetics, Tehran-Iran.
- Saeideh Alidoost, 2019, MSc in Genetics, Azad University- Iran.
- Mohsen Habibi, 2017, MSc in Human Genetics, Tehran-Iran.
- Maryam Khani, 2017, MSc in Human Genetics, Tehran-Iran.
- Rezvaneh Asadi, 2017, MSc in Genetics, Tehran, Iran.
- Sara Rafiee, 2016, MSc in Genetics, Sistan and Baluchestan, Zahedan- Iran.
- Shadi Sayban, 2015, MSc in Medical Genetics.
- Hamed Heidari, 2015, in Medical Genetics.
- Javad Jamshidi, January 2012, MSc in Medical Genetics, Tehran- Iran.
- Arezu Karimpur, August 2012, MSc in Medical genetics, Tehran- Iran.
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- Akram Rouhi, September 2005, M.Sc in Biochemistry, Tehran-Iran.

Dissertation Examiner:

- Rajabpour, PhD in Medical Genetics. Tehran-Iran.
- Mojdeh Akbari, 2017, MSc in Human Genetics, Tehran-Iran.
- Khodadadi, 2017, PhD in Medical Genetics. Tehran-Iran.
- Shirin Ghadami, 2015, Ph.D in Medical Genetics. Association study on 10 Genetic loci related to Non Syndromic Autosomal Recessive Mental Retardation in 50 Iranian Families with Affected Children, Pasture Institute, Tehran-Iran.
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Gene Finding and Registration:

- 1) *Lactobacillus crispatus* strain RIGLD-1 16S-23S ribosomal RNA intergenic spacer and 23S ribosomal RNA gene, partial sequence.
GenBank: ON614187.1 <https://www.ncbi.nlm.nih.gov/nuccore?term=ON14187>
- 2) *Homo sapiens* lipid-binding protein (PERF15) gene, complete cds. GenBank: DQ821473.1. <https://www.ncbi.nlm.nih.gov/nuccore/DQ821473.1>
- 3) *Rattus norvegicus* testes specific fertility regulator (PERF15) gene, promoter region
GenBank: AY596113.1. <https://www.ncbi.nlm.nih.gov/nuccore/AY596113.1>

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