

Curriculum Vitae



General Data

Name: Masood

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Professional Education

- PhD in Cell and Developmental Biology, Royan Institute, Tehran, Iran, 2008-2014.
- Sabbatical during PhD for training on Microarrays, KU Leuven University, Belgium, 2012.
- MSc in Cellular and Molecular Biology, Imam Hussein University, Tehran, Iran, 2000-2002.
- BSc in Animal Biology, Shahid Beheshti University, Tehran, Iran, 1994-1997.

Honors and Awards

- Award winner in 6th Yazd International Congress and Student Award in Reproductive Medicine, Apr 2015, Yazd, Iran.
- PhD scholarship from Royan Institute, 2008-2014, Tehran, Iran.
- International Scholar for a 6-month sabbatical from KU Leuven University, 2012, Leuven, Belgium.

Experiences and Skills

Wet Lab. Skills

- Experience in a variety of techniques in molecular biology including array CGH for preimplantation, prenatal and postnatal diagnosis, CNVs analysis by qPCR, Sanger DNA sequencing, PCR array, RNA and DNA Isolation and Analysis from very low amounts even single cell, PCR (different types), RLFP and PAGE.

- Experience in Human Embryos Study, Cell Culture, Human Embryonic Stem Cells Differentiation, Fluorescence Microscopy, FISH, Immunohistochemistry, Cytological and Histological Microscopy.
- Familiar with techniques such as Next Generation Sequencing, SNP array, Gene Cloning, Southern Blotting, Flow cytometry, ELISA and Chromatin Immunoprecipitation.

Computer Skills

- Expert in Bioinformatics software including: Bluefuse, Cytosure, Cytovision, RT Profiler, UCSC, Primer3plus, DNAMAN, DNASIS, OLIGO.
- Proficient with Statistics software package SPSS (both data assembly and analysis).
- Proficient with bibliography (reference managing) software package EndNote.

Academic Appointments

- Member of Scientific Board, Genetics Department, Royan Institute, Tehran, Iran, 2008- Present.
- Director of Human Genetics Research Group, Iranian Academic Center for Education, Culture and Research (ACECR), Fars Branch, Shiraz, Iran, 2007.
- Member of Scientific Board, Human Genetics Research Group, Iranian Academic Center for Education, Culture and Research (ACECR), Fars Branch, Shiraz, Iran, 2003-2007.

Teaching Experiences

- Advanced Molecular Biology for M.Sc. students, Islamic Azad University, Tehran, Iran, 2015.
- Molecular Biology of Evolution for M.Sc. students (some topics), Science & Culture University, Tehran, Iran, 2015.
- Molecular Genetics for M.Sc. students (some topics), Science & Culture University, Tehran, Iran, 2014.
- Developmental Biology for MSc students (some topics), Science & Culture University, Tehran, Iran, 2009.
- Cell Biology Laboratory for BSc students, Department of Biology, Shiraz University, Shiraz, Iran, 2003-2006.
- Cell Biology for BSc students, Department of Biology, Shiraz University, Shiraz, Iran, 2006.
- Genetics for postgraduates, Andishe-Sazan Academy, Shiraz, Iran, 2006.
- Public Health, Applied Science University, ACECR, Fars Branch, Shiraz, Iran, 2006.

- Cell and Molecular Biology for B.Sc. students, Department of Biology, Islamic Azad University, Kazeroon Branch, Kazeroon, Iran, 2002-2005.
- Scientific secretary and lecturer of PCR & bioinformatics workshops.

Academic Advising & Supervision

Supervision of 4 MSc students, 2014-present

Advising of 2 PhD students, 2014-present

Advising of 2 M.Sc. students, 2014-present

Clinical diagnosis

Microarray Lab management and data analysis in a private clinical genetics referral center, 2014-present

Publications

1. **Bazrgar M**, Gourabi H, Yazdi PE, Vazirinasab H et al. DNA repair signalling pathway genes are overexpressed in poor-quality preimplantation human embryos with complex aneuploidy. *Eur J Obstet Gynecol* 2014 Apr; 175:152-6. PMID: 24485984
2. **Bazrgar M**, Gourabi H. Valojerdi MR, Yazdi PE, Baharvand H. Self-correction of chromosome abnormalities in human preimplantation embryos and embryonic stem cells. *Stem Cell Dev* 2013 Sep 1; 22(17):2449-56. PMID: 23557100
3. **Bazrgar M**, Gourabi H, Yazdi PE, Vazirinasab H et al. The effect of prolonged culture of human chromosomally abnormal embryos on the rate of diploid cells. *Int J Fertil Steril*. Accepted for publication Vol: 10, No: 1, Apr-Jun 2016.
4. **Bazrgar M**, Karimi M, Peiravian F, Fathzadeh M. Apolipoprotein E gene polymorphism and left ventricular function in Iranian patients with thalassemi major. *Haematologica*. 2007 Feb; 92(2):256-7. PMID: 17296580
5. **Bazrgar M**, Karimi M. Is apolipoprotein E E4 allele always hazardous? Serum uric Acid level as a conflict. *Genet Test and Mol Biomarkers*. 2012 Aug; 16(8):920-3. PMID: 22540367
6. **Bazrgar M**, Peiravian F, Abedpour F, Karimi M. Causes for hospitalization and death in Iranian patients with β -thalassemia major. *Ped Hematol Oncol* 2011 Mar; 28(2):134-9. PMID: 20795770
7. **Bazrgar M**, Karimi M, Fathzadeh M, et al. Apolipoprotein E polymorphism in Southern Iran: E4 allele in the lowest reported amounts. *Mol Biol Rep*. 2008 Dec; 35(4):495-9. PMID: 17594534

8. **Bazrgar M**, Peiravian F, Karimi M, Fathzadeh M. Correlation between left ventricular dysfunction with hematological parameters and Iron chelation in β -thalassemia major. *Journal of Medical Research* 2004; 3(1): 48-58.
9. Kuroshli Z, Gourabi H, **Bazrgar M**, Sanati Mh, Bahraminejad E, Anisi Kh. HLA-G allele and Haplotype Frequencies in a Healthy Population of Iran. *Iran J Allergy Asthma Immunol* 2014. 13(3):207-213. PMID: 24659125
10. Senemar S, Doroudchi M, Pezeshki AM, **Bazrgar M**, Torab-Jahromi A, Ghaderi A. Frequency of cystathionine beta-synthase 844INS68 polymorphism in Southern Iran. *Mol Biol Rep.* 2009 Feb; 36(2):353-6. Epub 2007 Nov 29. PMID: 18046625
11. Senemar S, Ganjekarimi AH, Senemar S, Tarami B, **Bazrgar M**. The prevalence and clinical study of galactosemia disease in a pilot screening program of neonates, Southern Iran. *Iranian J Publ Health, Iran J Public Health.* 2011 Dec;40(4):99-104. PMID: 23113108
12. Fathzadeh M, Babaie Bigi MA, **Bazrgar M**, Yavarian M, et al. Genetic counseling in southern Iran: Consanguinity and reason for referral. *J Genet Couns* 2008 Jun 13. 17:472-479. PMID: 18551360
13. Fathzadeh M, Hadi N, Babaie Bigi MA, **Bazrgar M**, et al. Genetic and non-genetic disorders among progenies of consanguineous marriages: a survey of genetic consultants' pedigrees in Shiraz 2000-2003. *Journal of Medical research* 2005; 3(4):95-100.
14. Senemar S, Droudchi M, Pezeshki AM, Ghderi A, Fathzadeh M, **Bazrgar M**, et al. Frequency of 844ins68bp allele of CBS gene in normal population of Iran. *Journal of Biology, Iran* 2005; 20 (2): 225-32.
15. **Bazrgar M**, Karimi M, Peiravian F, Fathzadeh M, et al.. Apolipoprotein E4 allele and the risk of left ventricular dysfunction in thalassemia major. *ICRJ* 2007, 1(1): 13-19.
16. **Bazrgar M**, Karimi M. Frequency of Apolipoprotein E Alleles in Iranian Populations. *Iranian Journal of Biotechnology.* 2006, 4(2).

Presentations

1. **Bazrgar M**, Gourabi H, Valojerdi MR, Yazdi PE, Karimpour-fard A, Vermeesch JR. Preimplantation Genome Instability: Responses and Fates. 14th International Conference on Preimplantation Genetic Diagnosis (PGD), May 2015, Chicago, USA.
2. **Bazrgar M**, Gourabi H, Valojerdi MR, Yazdi PE, Karimpour-fard A et al. Preimplantation response to genome instability and prenatal status of genome integrity. 6th international congress and student award in reproductive medicine, Apr 2015, Yazd, Iran (Award winner).

3. **Bazrgar M.** Preimplantation Genetic Screening: Which Stage? Which Method? 6th international congress and student award in reproductive medicine, Apr 2015, Yazd, Iran.
4. **Bazrgar M,** Gourabi H, Karimpour-fard A, Borjian P, Zamani Esteki M, Voet T, et al. Genome Instabilities in Preimplantation Development Leading to Genetic Variation between Tissues of Normal Human Fetuses. 15th Congress on Reproductive Biomedicine, Sep 2014, Tehran, Iran (Oral presentation).
5. **Bazrgar M,** Gourabi H. Genetic Aberrations in Early Development: The Origins and the Fates. 14th Congress on Reproductive Biomedicine, Sep 2013, Tehran, Iran (Invited speaker).
6. Gourabi H, **Bazrgar M,** Eftekhari-Yazdi P, Vazirinasab H, Fakhri M, Hassani F, Valojerdi MR. DNA repair signaling pathway genes are overexpressed in complex aneuploid preimplantation embryos. 5th international congress and student award in reproductive medicine, Apr 2013, Yazd, Iran (Key lecture).
7. **Bazrgar M,** Gourabi H, Karimpour-fard A, Borjian P, Zamani Esteki M, Voet T, et al. Genetic variation between tissues of normal human fetuses due to genome instabilities in preimplantation development. 13th International Conference on Preimplantation Genetic Diagnosis (PGD), Apr-May 2014, Canterbury, UK (Accepted for oral presentation)
8. **Bazrgar M,** Gourabi H, Karimpour-fard A, Borjian P, Zamani Esteki M, Voet T, et al. Copy Number Changes in Normal Human Fetuses could be Residues from Genome Instabilities in Preimplantation Development. 30th ESHRE conference, Jun-Jul 2014, Munich, Germany.
9. **Bazrgar M,** Gourabi H, Eftekhari-Yazdi P, Vaziri H, Fakhri M, Hassani F, Rezazadeh Valojerdi M. Over-expression of ATR and XRCC1 as potential biomarkers for poor prognosis in human preimplantation embryos, 11th International Conference on Preimplantation Genetic Diagnosis (PGD), May 2012, Bregenz, Austria.
10. Gourabi H, **Bazrgar M,** Eftekhari-Yazdi P, Vaziri H, Fakhri M, Hassani F, Rezazadeh Valojerdi M. The effect of longer time culture and delayed primary cell divisions on the rate of self-correction in human blastocysts embryos, 11th International Conference on Preimplantation Genetic Diagnosis (PGD), May 2012, Bregenz, Austria.
11. **Bazrgar M,** Gourabi H, Eftekhari-Yazdi P, Vaziri H, Fakhri M, Hassani F, Rezazadeh Valojerdi M. Evaluation the effect of culture duration on the rate of self-correction in human blastocysts. 14th World Congress on Human Reproduction, Dec 2011, Melborn, Australia. (Accepted for oral presentation).
12. **Bazrgar M,** Gourabi H, Eftekhari-Yazdi P, Vaziri H, Fakhri M, Hassani F, Rezazadeh Valojerdi M. Longer culture of human blastocysts doesn't lead to better selfcorrection of aneuploidies. 12th Congress on Reproductive Biomedicine, Sep 2011, Tehran, Iran.

13. **Bazrgar M**, Karimi M, Fathzadeh M, Senemar S, Peiravian F, Shojaei A, Saadat M, Frequency of apolipoprotein E alleles in healthy population of Iranian thalassemia patients. 14th National & 2nd International Conference of Biology, 2006, Tehran, Iran.
14. **Bazrgar M**, Peiravian F, Fathzadeh M, Karimi M. Left ventricular dysfunction in β -thalassemia major: A correlation study between hematological parameters and iron chelation with echocardiographic findings. 10th International Conference on Thalassemia & Haemoglobinopathies & 12th International TIF Conference for Thalassemia Patients and Parents. 2006, Dubai, UAE.
15. Fathzadeh M, Babaie MA, **Bazrgar M** et al. Genetic Counseling in Southern Iran: Need for Population Based Genetic Counseling. The First International Congress on Health Genomics and Biotechnology. 2007, Tehran, Iran.
16. **Bazrgar M**, Karimi M, Peiravian F, Fathzadeh M. Apolipoprotein E gene Polymorphism and left ventricular function in thalassemia major from south of Iran. 15th Iranian Heart Congress, 2006, Tehran, Iran.
17. **Bazrgar M**, Peiravian F, Fathzadeh M, Karimi M. Left Ventricular Dysfunction in BThalassemia Major : A correlation study between hematological parameters and iron chelation with echocardiographic findings. 10th International Conference on Thalassemia & Haemoglobinopathies, 2006, Dubai, United Arab Emirates.
18. **Bazrgar M**, Karimi M, Talebi M, Mahin Farahmand beigi. Thalassemia Minor as one of risk factors for childhood leukemia. 1st International Lymphoma - Leukemia -Myeloma (LLM) Congress, 2007, Feyhiye, Turkey.
19. **Bazrgar M**, Karimi M, Peiravian F, Shojae A, Senemar S, Kamkar M. Effect of apolipoprotein E polymorphism on serum uric acid and lipids profile in young healthy subjects from southern Iran. 9th Congress of biochemistry & Molecular Biology, 2007, Shiraz, Iran.
20. **Bazrgar M**, Karimi M, Talebi M. Thalassemia Minor and the risk of childhood leukemia. Annual congress of pediatrics, 2007, Tehran, Iran.
21. **Bazrgar M**, Peiravian F, Karimi M, Fathzadeh M. Left ventricular failure in β -thalassemia major: Correlation between hematological parameters and Iron chelation with echocardiographic findings, 5th Iranian congress on hematology and oncology, 2004, Shiraz, Iran.
22. Senemar S, Fathzadeh M, Ganjekarimi AH, Senemar S, **Bazrgar M**, Tarami B. Epidemiological and clinical study of PKU disease as the first monogenic disease in south of Iran from 2000 to 2005. 9th international congress of pediatrics, 2006, Tehran, Iran.
23. **Bazrgar M**, Karami A, Soltan-dallal MM. Detection of Yersinia enterocolitica by PCR, 3rd congress of Biotechnology, 2002, Mashad, Iran.

Links

<http://scholar.google.com/citations?hl=en&user=fERiZksAAAAJ&view>

http://www.royaninstitute.org/cmsen/index.php?option=com_content&task=view&id=55&Itemid=41