

## ***CURRICULUM VITAE***

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**Education:** **BSc.** Cell biology (Top student),  
Shiraz University, Shiraz-Iran  
**MSc.** Immunology (Top student),  
Shiraz University of Medical Sciences, Shiraz-Iran  
**PhD.** Molecular Genetics, National Institute for Genetic Engineering &  
Biotechnology, Tehran-Iran  
**Sabbatical.** Stem Cell Technology,  
UCL University of London. London -UK.

### **Academic Positions:**

Academic Staff of Transplant Research Center, Since: 2005

Academic Staff of Bone and Joint Diseases Research Center, Since: 2016

Head of Institute for Stem Cell & Regenerative Medicine, 2013-2016

Head of Cell Therapy Center, Mother & Child Hospital, Since: 2012

### **Extra Educational**

**Course Works:** Stem Cell Biology, Bio-artificial Liver System Technology, *Hepatology  
Depart. UCL University of London-UK (2009)*

Gene Cloning Techniques, *Hepatology Depart.  
UCL University of London-UK (2009)*

Lentiviral Vector Production & Stem Cell Transduction, *Virology Depart.  
UCL University of London-UK (2009)*

Stem Cell Culture Technology, *Stem Cell Depart.  
Royan Institute, Tehran-Iran (2008)*

Stem Cell Culture Technology, *Hematology-Oncology Research*

*Center. Dr Shariati Hospital, Tehran-Iran (2007)*

Cell Culture and Biology Course Works, *National Institute for Genetic Engineering & Biotechnology, Tehran-Iran (2007)*

Advanced Molecular Genetic Course Works,  
*Pasteur Institute, Tehran-Iran (2006)*

Application of Advanced Molecular Methods for Diagnosis of Genetic Diseases, *Tehran University, Tehran –Iran (2005)*

## **Publications:**

1. Habibzadeh F, **Ayatollahi M**, Haghshenas M: The prevalence of sickle cell anemia in South of Iran. **Iran J Med Sci.** 1999; 24: 32- 34.
2. **Ayatollahi M**, Imani M, Joubeh S, Ghaderi A: Development of an ELISA based method for detection of pemphigus vulgaris autoantibodies. **Iran Biomed J.** 1999; 3 : 99-101.
3. **Ayatollahi M**, Habibzadeh F, Yadollahie M, Haghshenas M: The sickle cell gene frequency in Southern Iran . **J Trop Pediatr.** 2000; 46 :181.
4. **Ayatollahi M**, Merat A, Haghshenas M: Ava II site as a marker of beta- globin gene polymorphism among normal and sickle cell patients. **Iran Biomed J.** 2001; 5: 117-19.
5. **Ayatollahi M**, Haghshenas M : Application of the polymerase chain reaction to the diagnosis of sickle cell disease. **Arch Iranian Med,** 2004; 7(2):84-88.
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7. Kashef S, Amin R, **Ayatollahi M**, Ghaderi A. Anticardiolipin antibodies in juvenile rheumatoid arthritis and systemic lupus erythematosus. **Iran J Immunol,** 2004; 2:118-124.
8. Rajaei A, Nazarinia M, **Ayatollahi M**, Ghaderi A. Anticardiolipin antibody in patients with Behcet's disease with and without vascular thrombosis. **Iran J Immunol,** 2004; 2: 111-117.
9. **Ayatollahi M**, Geramizadeh B, Samsami A. Transforming growth factor  $\beta$  in fetal allograft during pregnancy. **Transplantation proceeding,** 2005; 37,4603-4605.
10. **Ayatollahi M**, Zakerinia M, Haghshenas M : Molecular analysis of some Iranian families with sickle cell disease. **J Trop Pediatr.** 2005 Apr 14: 1-5.
11. **Ayatollahi M**, Samsami A, Tabei Z. The immunoregulatory role of Transforming Growth

- Factor Beta-1in fetus as an allograft. **Iran J Immunol**, 2005; 2 (1): 50-56.
12. **Ayatollahi M**, Tabei SZ, Haghshenas M, Kashef S. A Fast and Easy NBT Method for Carrier Screening and Prenatal Detection of CGD in Iran. **Arch Iran Med**. 2006;9(4):335-338.
13. Azarpira N, Aghdaie MH, Geramizadeh B, Behzadi S, Nikeghbalian S, Sagheb F, Rahsaz **Ayatollahi M**, Darai M, Azarpira MR, Banihashemie M, Tabei SZ: Cytokine gene polymorphisms in renal transplant recipients. **Exp Clin Transplant**. 2006; 4(2):528-31.
14. Geramizadeh B, Malek-Hosseini SA, Azarpira N, **Ayatollahi M**, Salahi, Aghdaee M, Urine cytology as a useful screening method for polyoma virus nephropathy in renal transplant patients: a single-center experience. **Transplant Proc**. 2006 ;38(9):2923-5.
15. **Ayatollahi M**, Geramizadeh B. Carrier screening and prenatal detection of chronic granulomatous disease in Iran. **Saudi Med J**. 2006 Sep;27(9):1334-7.
16. **Ayatollahi M**, Geramizadeh B, Yazdani M, Azarpira N. Effect of the immunoregulatory cytokines on successful pregnancy depends upon the control of graft rejection mechanisms. **Transplant Proc**. 2007;39(1):244-5.
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57. Hamid Amoozgar, M.D.; Mohammad Reza Edraki, M.D.; **Maryam Ayatollahi**, phd; Mohammad Borzouee, M.D.; Gholamhossein Ajami, M.D.; Hamid Mohammadi, M.D.; Nima Mehdizadegan, M.D.; Nader Shakibazad; Hamid Arabi, M.D.; Fatehi Alwesabi, M.D.; Amir Naghshzan, M.D.; Kambiz Keshavarz, M.D.; Mehrpour Moradi, M.D. Heart Remodeling after Intracoronary Autologous Marrow- Derived Mononuclear Stem Cell Transplantation in Children with Dilated Cardiomyopathy. ***Pediatric Cardiology* (2017);**

58. Fabrication and characterization of low-cost freeze-gelated chitosan/collagen/hydroxyapatite hydrogel nanocomposite scaffold . Kaviani A, Zebarjad SM, Javadpour S, **Ayatollahi M** , Bazargan R. *INTERNATIONAL JOURNAL OF POLYMER ANALYSIS AND CHARACTERIZATION*.2019; 24 (3); 191-203.