

# CURRICULUM VITAE

## **Personal details:**

**First name:** Reza

**Family name:** Behjati Ardakani

**Date of Birth:** 23 July 1973

**Nationality:** Iranian

**Sex:** Male

**Marital status:** Married

**No. of children:** 1

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## **Degrees or Qualifications:**

1. Medical Doctorate (M.D), Shahid Sadoughi University of Medical Sciences, Yazd, Iran (Sep 1992-May 2000).
2. Ph.D., University of Tsukuba, Tsukuba, Japan (Apr 2007 – March 2011).
3. International English Language Testing System (IELTS), overall band score: 6.5, 11 Des 2004
4. Japanese language certificate (level 4), 2006

## **Membership in Professional Societies**

1. Member of I. R. Iran Medical Council
2. Japanese cancer association (JCA)
3. European Society of Human Reproduction & Embryology (ESHRE)

## **Jobs and Positions:**

1. Academic staff of Reproductive Immunology Department, Avicenna Research Institute, Tehran-Iran (Jun 2000 – March 2002).

2. Academic staff of Reproductive Genetics and Biotechnology Research Department, Avicenna Research Institute, Tehran-Iran (from Apr 2002).
3. Member of scientific committee of Reproductive Genetics and Biotechnology Research Department, Avicenna Research Institute.
4. Member of scientific committee of Medical Diagnostic Reagents and Biological Products Research Group, Avicenna Research Institute.
5. Medical practice (from Oct 2000).

**Publication(s):**

1. Prevalence of HBsAg<sup>+</sup> in pregnant women in Yazd. (M.D. thesis, 1999)
2. Uterine Fibroids. (Booklet prepared by: Behjati R., M.D., in press)
3. Birth Defects of the Female Reproductive System. (Booklet prepared by: Behjati R., M.D., in press)
4. Genetic Diagnosis of Risk Factors in Cardiovascular Diseases. (Behjati R., Akhoondi M., Modarressi M.H., International Workshop on Application of Advanced Molecular Methods for the Diagnosis of Human Genetic Diseases, Sep 2004, Tehran, Iran)
5. Extraction and Purification of Ferritin from Liver Tissue. (Behjati R., Sadeghi M.R., Ghods R., Bayat A.A., Jeddi-tehrani M.) Journal of Babol University of Medical Sciences, 2005; 7(1):14-21
6. Extraction and Purification of Ferritin from Liver Tissue. (Behjati R., The 3ed National Biotechnology Congress, Sep 2003, Iran)
7. Production and Characterization of a Monoclonal Antibody Against Ferritin. (Behjati R., The 3ed National Biotechnology Congress, Sep 2003, Iran)
8. Production of Polyclonal Antibodies Against Human Ferritin and Designing an ELISA test for Ferritin Measurement. (Behjati R., The 3ed National Biotechnology Congress, Sep 2003, Iran).
9. Monoclonal antibodies against HIV (Journal of Monoclonal Antibody, 2003,9:8).
10. Preimplantation Genetic Diagnosis (PGD). (Accepted in Iranian journal of "Tebbo Tazkieh").
11. Behjati R, Modarressi MH, Jeddi-Tehrani M, et al. Thrombophilic mutations in Iranian patients with infertility and recurrent spontaneous abortion. Ann Hematol (2006) 85: 268–271

12. Testicular Expression of Synaptonemal Complex Protein 3 (SYCP3) mRNA in 110 Patients with Non-Obstructive Azoospermia. *Fertility and Sterility* 86(2), 2006; 325-331
13. Behjati R, Kawai K, Inadome Y, Kano J, Akaza H, Noguchi M. APAF-1 is related to an undifferentiated state in the testicular germ cell tumor pathway. *Cancer Sci.* 2011; 102(1):267-74.

### **Experiences:**

1. **Laboratory techniques:** Preimplantation genetic diagnosis (PGD) (sex selection), cDNA microarray, single cell PCR, PCR-RFLP, RT-PCR, real-time PCR, siRNA transfection, gene delivery to eukaryotic and prokaryotic cells using electroporation adenoviruses, and calcium phosphate, Primer design, DNA and RNA extraction, thrombophilic mutations (single nucleotide polymorphisms of MTHFR, prothrombin, factor V Leiden, PAI-1), gel electrophoresis, western blotting, immunohistochemistry, WST-1 proliferation assay, immunofluorescence, cell culture, cell fusion, production and characterization of monoclonal and polyclonal antibodies, protein purification especially purification of ferritin (gel filtration and ion exchange chromatography), western blotting, ELISA, flowcytometry.
2. **Computer knowledge:** Bioinformatics (NCBI, Gene Runner, Genespring), statistical software (Excel, SPSS, STATISTICA), Microsoft Office software (Word, Excel, Power point, Outlook ...), graphic software (Adobe Photoshop).

### **Attending in seminars and workshops:**

1. Diagnosis of genetic diseases using Possum software. (Summer 2005, Pasteur Institute, Tehran-Iran, 1 day)
2. The importance of reproductive health in fertility and infertility. (Summer 2005, Avicenna Research Institute, Tehran-Iran, 2 days)
3. Application of advanced molecular methods for the diagnosis of human genetic diseases (Summer 2005, National Research Center for Genetic Engineering and Biotechnology, Tehran-Iran, 5 days)

4. Gene delivery methods. (Spring 2005, Avicenna Research Institute, Tehran-Iran, 2 days)
5. Assisted Reproduction Techniques (ART) workshop. (Fall 2004, Avesina Clinic Center, Tehran-Iran, 1 day)
6. Scientific writing. (Summer 2005, Avicenna Research Institute, Tehran-Iran, 1 day)
7. The recent in reproduction and infertility. (Summer 2003, Avesina Clinic Center, Tehran-Iran, 1 day)
8. Use of cell cycle for identifying novel target treatment strategies and prognostic markers of breast cancer. (Summer 2003, Genetics Department of Tehran University of Medical Sciences, Tehran-Iran, 1 day)
9. First congress of genetics of diseases. (Spring 2003, Tehran University of Medical Sciences, Tehran-Iran, 1 day)
10. Immunological Aspects of Fertility and Infertility. (Spring 2003, Avicenna Research Institute, Tehran-Iran, 1 day)
11. Environmental factors and infertility. (Summer 2001, Avicenna Research Institute, Tehran-Iran, 1 day)
12. Psychological aspects of fertility and infertility. (Summer 2002, Avicenna Research Institute, Tehran-Iran, 1 day)
13. Reproductive Genetic & Biotechnology. (Spring 2000, Avicenna Research Institute, Tehran-Iran, 1 day)
14. Digestive system and liver diseases from clinic to laboratory. (Fall 2000, Taleghani Hospital, Tehran-Iran, 1 day)
15. Health and Ramadan. (Winter 2000, Iran University of Medical Sciences, Tehran-Iran, 2 days)
16. Molecular medicine techniques. (Summer 2000, University of Social welfare and Rehabilitation Sciences, Tehran-Iran, 2 days)
17. Seminar of Genetic Engineering, University of Tsukuba (2008)
18. Seminar of Handling Laboratory Animals, University of Tsukuba (2008)
19. 20th Asia Pacific Cancer Conference (APCC), November 12-14, 2009, Tsukuba, Ibaraki, Japan.

**Lectures and presentations:**

1. PGD in sex selection (Fall 2004, Avesina Clinic Center, Tehran-Iran)
2. Gene delivery by electroporation. (Spring 2005, Avicenna Research Institute, Tehran-Iran)

3. Preimplantation Genetic Diagnosis In patients who need Bone Marrow Transplantation. (Jan 2005, Avesina Clinic Center, Tehran-Iran)
4. Endometrial Bleeding Associated Factor (EBAF). (Aug 2003, Avesina Clinic Center, Tehran-Iran)
5. Endometriosis & Infertility. (Jul 2002, Avesina Clinic Center, Tehran-Iran)
6. Infectious causes of abortion. (Feb 2001, Avesina Clinic Center, Tehran-Iran)
7. The 67<sup>th</sup> Annual Meeting of the Japanese Cancer Association (JCA), poster presentation (Nagoya, Japan, 28-30 October 2008)
8. The 68<sup>th</sup> Annual Meeting of the Japanese Cancer Association (JCA), poster presentation (Yokohama, Japan, 1-3 October 2009)
9. The 69<sup>th</sup> Annual Meeting of the Japanese Cancer Association (JCA), poster presentation (Osaka, Japan, 22-24 September 2010)
10. American Urological Association (AUA) annual meeting, poster presentation (25-30 April 2009)
11. The 9<sup>th</sup> International Conference of the Asian Clinical Oncology Society (ACOS), poster presentation (Gifu, Japan, 25-27 August 2010)
12. Presentation of PhD research results in the annual seminar of Urology, University of Tsukuba (2008)
13. Presentation of PhD research results in the annual seminar of Pathology, University of Tsukuba (2008)
14. Presentation of PhD research results in Investigative Urology Seminar in Tsukuba (2008)

**Approved projects and proposals:**

1. Production of adenoviruses containing MTHFR gene and mutation production in this gene according to common mutations in patients with thrombophilia.
2. Identification of common mutations in MTHFR gene in thrombophilic patients with recurrent miscarriage in Iran.
3. Identification of mutations in MTHFR enzyme (C677T) and Prothrombin gene (G20210A) in patients with recurrent miscarriage and venous thrombosis.
4. Infertile patients DNA Banking.
5. Evaluation of mutation of SYCP3 gene in Azoospermic patients.

6. Study on prolactin receptor mutation in infertile patients.
7. Isolation of streptokinase gene, cloning, expression, and purification of the recombinant.

**Languages:**

1. Persian (native language)
2. English (Fluent)
3. Japanese
4. Arabic (basic)
5. French (basic)