

Curriculum Vitae January 2008

Personal details:

Name: **reza**
Surname: **hadavi**
Birth Date: **April, 18, 1979**
Place of Birth: **jahrom, Iran**
Citizen: **Islamic Republic of Iran**
Material Status: **married**

Present address:

Department of Immunology, Avesina research Institute of Iran
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Education:

1994-1998: B.Sc in molecular and cellular biology (microbiology)
, Department of Biology at Azad
University, Jahrom, Iran

2002-2005: M.Sc Student in microbiology, Department of Biology
at Azad University, Jahrom,

Experiences:

2005-Present

- Collaboration with Monoclonal Antibody Research Center, Avesina research Institute , Tehran, Iran
 - Cloning and expression of PSA (prostate specific Antigen) molecules in *E.coli* and *P.pastoris* .
 - Cloning and expression of PRELP gene in *P.pastoris* .
 - Cloning and expression Her2 (breast tumor marker) Gene in Mammalian cell lines.
 - Cloning expression of HBS antigen variants in *P.pastoris*.
 - Design Convenient method for E.coli competent cells transformation .
 - Expression of domains I & II of tyrosine kinase Her2 in *E.coli* and *P.pastoris* and evaluation of its recombinant expression .
 - Opticin gene expression and the importance of its product as a tumor associated antigen in B- chronic lymphocytic leukemia (B-CLL).
 - Construction of GFP plasmid (lentiviral vector) for making green transgenic mouse .
 - Identification of a gene specifically expressed in mouse testis and or sperm which can trigger antibody production against its protein product .
 - Prevalence study of sexually transmitted infections in pregnant women in Tehran 2007
 - Generation and Characterization of Full Length human monoclonal Antibody With Specificity For Hepatitis B (HBSAg) Form Immune-Phage Displays Antibody Library
 - Design, construction and evaluation of functional activities of chimeric monoclonal antibodies against human HER2 molecule

M.Sc Student 2002-2005

MSc thesis entitled, "PCR & cloning *LuxS* gene from *Neisseria meningitidis*" under supervision Dr. Kazemi, Cellular and Molecular Biology Research Center, Shahid Beheshti university / medical science, Tehran.Iran

Certification:

- ✚ Bachelor's Degree from Azad University,2002, Jahrom, Iran
- ✚ High School Diploma 1998 jahrom, Iran

Techniques Familiar With:

- Nucleic acids purification by different methods
- Nucleic acids amplification by PCR , Primer design , System setup and optimization
- Laboratory culture and Microbial diagnostic
- Primer design software like GeneRunner
- Cloning of DNA fragments in plasmid (vectors), competent cells and transformation
- Cell culture techniques
- Bioinformatics: Sequence analysis and restriction analysis with internet sites
- Electroporation method set up in yeast , bacteria and cell lines

Congress:

1-PCR & cloning LuxS gene from *Neisseria meningitidis*. **Reza hadavi**, B.kazemi, M.Moghbeli. Cellular and Molecular Biology Research Center, Shahid Beheshti university / medical science, Tehran. Iran.

Poster Session, publishing ID: The 4th National Biotechnology congress; kerman(Mahan), 15-17 August, 2005

2-Convenient method for E.coli competent cells transformation .MR.Nejadmoghaddam, **R.Hadavi** , M.babashamsi ,M.Neyakan .Monoclonal Antibody research institute, Tehran.Iran. Poster Session, publishing ID: The 5th National Biotechnology congress; 24-26 Nov, 2007. summit Meeting Conference Hall, Tehran-Iran

Publications:

1) Zarei S., Chamani Tabriz L., Heidari M., Tarahomi M., **Hadavi R.**, Jeddi-Tehrani M. Seroprevalence of pertussis antibody among health care personnel in Avesina Clinic. *Iranian Journal of Infectious Disease and Tropical Medicine*. 2008 (Submitted)

