

Curriculum Vitae

Name: Seyed Ahmad Reza Mahmoudi

SEX: Male

Date of Birth: 9.6.1976

Nationality: Iranian

Marital Status: Married

● Education:

-B.Sc. of Biology (Zoology). Razi University. Kermanshah. Iran. (1995-2000).

-M.Sc. of Cellular and Molecular Biology. Researches and Sciences Unit of Azad University. Tehran. Iran. (2000-2004).

● Ongoing or Completed Projects:

1. Characterization of Human Sperm Surface Antigens by Monoclonal Antibodies (M.Sc. Thesis).
2. Establishment of murine hybridomas producing monoclonal antibodies against human sperm surface antigen.
3. Enzyme and fluorescence conjugated polyclonal antibodies production for research and diagnostic purposes.
4. Design of ELISA kit for measurement of PSA, Prolactin and Ferritin.
5. Paternal lymphocyte immunization of women with primary and secondary recurrent spontaneous abortion.
6. Simultaneous pulsing of dendritic cells with tumor antigen and a third-party antigen: A new approach for enhancing capacity of dendritic cells to present tumor antigens.
7. PSA purification from seminal fluid.
8. Production of mouse IgM by hybridoma cells and use of this IgM for production of polyclonal antibody against mouse IgM for affinity chromatography column design.
9. Enzyme and fluorescence conjugated polyclonal antibody production for research and diagnostic purposes.
10. Production of new generation of anti cancer vaccines, a national project.
11. Establishment of therapeutic monoclonal antibody technology in Iran; phase1: Lab scale production of anti Her-2 therapeutic monoclonal antibody.
12.

● Workshops (as lecturer):

1. Production of monoclonal antibodies, 2007, Avicenna Research Institute, Network of I.R. IRAN Medical Biotechnology
2. Production of monoclonal antibodies, 2007, Avicenna Research Institute
3. Production of monoclonal antibodies, 2007, Avicenna Research Institute
4. Production of monoclonal antibodies, 2006, Avicenna Research Institute
5. Chlamydia and Reproduction, 2006, Avicenna Research Institute, Shahid Beheshti Medical University, Sheffield University (cooperation in laboratory section)

Presentations (Domestic):

1. **Mahmoudi S.A.R.**, Torkabadi EM., Heidari M., Zarnani AH., Jeddi Tehrani M., Sadeghi MR. Characterization of human sperm surface antigens by monoclonal antibody. *First Iranian congress for cell and developmental biology, University of Tehran, 2003*
2. **Mahmoudi S.A.R.**, Torkabadi EM., Sadeghi MR. *Comparison between the rate of effect of different acrosome reaction inducers. First Iranian congress for cell and developmental biology, University of Tehran, 2003*
3. **Mahmoudi S.A.R.**, Torkabadi EM. Heidari M., Ghods. R., Zarnani AH., Akhoondi M.M., Parivar K., Jeddi Tehrani M., Sadeghi MR. *Characterization of sperm surface antigen by 4F7G7 monoclonal antibody. Congress on immunological aspects of fertility and infertility, Isfahan university of medical sciences, 2004*
4. Torkabadi EM., **Mahmoudi S.A.R.**, Jeddi Tehrani M., Sadeghi M.R., Pakzad P., Akhoondi M.M. *Characterization of HS80 monoclonal antibody for detection of its antigen on the surface of human sperm. Congress on immunological aspects of fertility and infertility, Isfahan university of medical sciences, 2004*
5. Torkabadi EM., **Mahmoudi S.A.R.**, Saboor Yaraghi A.A., Jeddi Tehrani M., Pakzad P., Akhoondi M.M. *Extraction of human sperm surface antigens and characterization by monoclonal antibody. First Iranian congress for cell and developmental biology, University of Tehran, 2003*

6. Zarnani AH., Moazzeni SM., Shokri F., Salehnia M., Bayat AA., **Mahmoudi S.A.R.**, Heidari M., Dokouhaki P.,Jeddi-Tehrani M. Effect of supernatant from short culture of mouse decidual tissues on antigen presentation by Dendritic cells, The 1st congress on immunological aspects of fertility and infertility, Isfahan Univ. of medical sciences 2003
7. Zarnani AH., Moazzeni SM., Shokri F., Salehnia M., Bayat AA., **Mahmoudi S.A.R.**, Vazirian F., Ghods R.,Dokouhaki P.,Jeddi-Tehrani M. Th2 promoting activity of decidual cell culture supernatants on Dendritic cells, *7th Iranian congress of immunology and allergy Mashhad 4-7 may 2004*
8. Zarnani AH., Moazzeni SM., Shokri F., Salehnia M., Bayat AA., **Mahmoudi S.A.R.**, Vazirian F., Dokouhaki P.,Jeddi-Tehrani M. Characterization of decidual Dendritic cells during mouse normal pregnancy, *7th Iranian congress of immunology and allergy Mashhad 4-7 may 2004*
9. Zarnani AH., Moazzeni SM., Shokri F., Salehnia M., Bayat AA., **Mahmoudi SAR.**, Vazirian F., Dokouhaki P.,Jeddi-Tehrani M. Cytochemical characteristics of murine splenic Dendritic cells, *7th Iranian congress of immunology and allergy Mashhad 4-7 may 2004*
10. Zarnani AH., Moazzeni SM., Shokri F., Salehnia M., Bayat AA., **Mahmoudi S.A.R.**, Vazirian F., Dokouhaki P.,Jeddi-Tehrani M. Analysis of endometrial myeloid and lymphoid Dendritic cells during mouse estrous cycle, *7th Iranian congress of immunology and allergy Mashhad 4-7 may 2004*
11. Zarnani AH., Moazzeni SM., Shokri F., Salehnia M., Bayat AA., **Mahmoudi SAR.**, Heidari M., Dokouhaki P.,Jeddi-Tehrani M. The effect of mouse decidual culture supernatants on antigen presentation by Dendritic cells , *7th Iranian congress of immunology and allergy Mashhad 4-7 may 2004*
12. Heidari M., **Mahmoudi S.A.R.**, Torkabadi E.M., Ghods R., Bayat AA., Zarnani AH., Jeddi Tehrani M., Sadeghi MR., Akhoondi MM. Production of monoclonal antibodies against sperm surface antigens and their characterization, *The 3th national congress of biotechnology, Mashhad, 1382*
13. Ghods R., Gharagozlou S., Moheghi N., Khoshnoudi J., Balaye Goli L., Bayat A.A., **Mahmoudi S.A.R.**, Jeddi Tehrani M., Shokri F. Production of polyclonal

antibodies and their fluorescence and enzymatic conjugates against human and animals. *The 3th national congress of biotechnology, Mashhad, 1382*

14. Tabatabaei-Panah A.S., Zarnani A.H., Jeddi-Tehrani M., Chamankhah M., Bayat A.A., Ghods R., Kazemi Sefat G., **Mahmoudi A.R.**, Ostadkarampour M., Akbarzadeh-Najar R., Akhondi M.A. Production and Characterization of anti-Her2 Monoclonal Antibodies. *The 9th Iranian congress of immunology and allergy. Tehran June 17-19 2008.*
15. Tabatabaei-Panah A.S., Zarnani A.H., Jeddi-Tehrani M., Chamankhah M., Ghods R., Bayat A.A., Kazemi Sefat G., **Mahmoudi A.R.**, Shojaeian S., Akbarzadeh-Najar R., Akhondi M.A. Comparison of Optical Properties of Quantum Dot-525 and FITC- conjugate Antibodies for evaluation of Her2 Expression. *The 9th Iranian congress of immunology and allergy. Tehran June 17-19 2008.*
16. Shojaeian S., Allameh A.A., Zarnani A.H., Ghods R., Chamankhah M., Bayat A.A., **Mahmoudi A.R.**, Jeddi-Tehrani M. Production and characterization of Monoclonal Antibodies against Extracellular Domain of CA-125 antigen. *The 9th Iranian congress of immunology and allergy. Tehran June 17-19 2008.*

● **Presentations (international):**

1. **Mahmoudi A.R.**, Bayat A.A., Jeddi-Tehrani M., Balay goli L., Babaei M., Khakpour J., Barzegare Yarmohammadi L., Zarnani A.H., Mahmoudian J., Ostadkarampour M., Akhondi M.A., Ghods R. Preparation of affinity chromatography column using a polyclonal antibody for purification of mouse IgM. *15th National and 3rd International Conference of Biology, 19-21 August 2008, University of Tehran, Tehran, Iran*
2. Zarnani A.H., Moazzeni S.M., Shokri F., Salehnia M., Bayat A.A. **Mahmoudi S.A.R**, Ghods R., Dokoohaki P., Jeddi Tehrani M. Immunoregulatory Activity of Supernatants from Short-term Cultures of Mouse Decidual Tissue on Antigen Presentation by Dendritic Cells. *12th international congress of immunology, Montreal, Canada, 18-23 July 2004*
3. A.H. Zarnani , S.M. Moazzeni , A. Kalantari , F. Shokri , M. Salehnia , A.A. Bayat , **S.A.R Mahmoudi** , P. Dokouhaki , M. Jeddi Tehrani . *Characterization of decidual dendritic cells during mouse pregnancy. Third European Congress of Reproductive Immunology. University of Essex, UK, September 11-15, 2005*
4. Zarnani A.H., Moazzeni S.M., Shokri F., Salehnia M., Bayat A.A. **Mahmoudi S.A.R** ,Ghods R., Dokoohaki P., Jeddi Tehrani M. Immunoregulatory Activity of

- Supernatants from Short-term Cultures of Mouse Decidual Tissue on Antigen Presentation by Dendritic Cells. *12th international congress of immunology, Montreal, Canada, 18-23 July 2004 (oral presentation)*
5. Zarnani AH., Moazzeni SM., Kalantari A., Shokri F., Salehnia M., Bayat AA., **Mahmoudi SAR.**, Dokouhaki P., Jeddi Tehrani M. Characterization of decidual Dendritic cells during mouse pregnancy. *3rd European congress of Reproductive Immunology, University of Essex, UK. September 11-15, 2005 (poster presentation)*
 6. Zarnani AH., Kalantari A., Shojaeian J., Gharehbaghian A., Ghods R., **Mahmoudi A.R.**, Bayat A.A, Akhoondi M.M., Jeddi Tehrani M. Simultaneous pulsing of dendritic cells with tumor antigen and a third party antigen: A novel approach for enhancing antigen presentation by dendritic cells, *The 1st Mediterranean workshop of clinical Immunology, Evora, Portugal, 26-29 OCT 2006*
 7. A.H. Zarnani, J. Shojaeian, A. Kalantari, R. Ghods, **S. Mahmoudi**, A. Bayat, J. Khakpour, M. Heidari⁴, M. Akhondi, M. Jeddi-Tehrani; Helper antigens enhance capacity of dendritic cells to present tumor antigens. *13th International Congress of Immunology, Rio de Janeiro, Brazil, Aug 21-25, 2007(posters)*

●**Publications (Articles):**

1. **Mahmoudi S.A.R.**, Ghods R., Zarnani A.H., Heidari M., Bayat A.A., Torkabadi E., Akhondi M.M., Parivar K., Jeddi- Tehrani M., Sadeghi M.R. Characterization of a human spermatozoa surface antigen recognized by HS56 monoclonal antibody. *Medical J reproduction & Infertility (in Farsi) 2004; 5(4):290-298*
2. Zarnani AH. Moazzeni SM., Shokri F., Salehnia M., Bayat AA., **Mahmoudi S.A.R.**, Dokouhaki P., Jeddi-Tehrani M. Morphological and cytochemical characteristics of purified murine splenic dendritic cells. *Iranian J Allergy Asthma Immunology. 2003; 2(3):139-144*
3. Amir-Hassan Zarnani, Seyed-Mohammad Moazzeni, Fazel Shokri, Mojdeh Salehnia, Pouneh Dokoohaki, Roya Ghods, **Ahmad Reza Mahmoodi**, Mahmood Jeddi-Tehrani. Microenvironment of the feto-maternal interface protect semiallogenic fetus through its immunomodulatory activity on dendritic cells, *Fertility Sterility.2007 May 4*
4. A.S. Tabatabaei-Panah, Ph.D., A.H. Zarnani. D.M.T., Ph.D., Sh. Montaser-Kouhsari, Ph.D., M. Chamankhah, Ph.D., R. Ghods, M.Sc., A.A. Bayat, B.Sc., G.E. Kazemi-Sefat, B.Sc., **S.A.R. Mahmoudi**, M.Sc., M. Ostad karampour,

- M.Sc., S. Shojaeian, M.Sc., M. Jeddi-Tehrani, Ph.D. Production and Characterization of Anti-Her2 Monoclonal Antibody. *Yakhteh Medical Journal*, Vol 10, No 2, Summer 2008
5. Torkabadi E, (M.Sc.); Akhoondi MM, (PhD); Pakzad P, (PhD); **Mahmoodi SAR**, (MSc); Bayat A, (BSc); Sadeghi MR, (PhD); Jeddi Tehrani, (PhD). Characterization of HS80 monoclonal antibody for detection of its antigen on the surface of human sperm. *Hakim Research Journal*, 2007; 9(4): 65-75
 6. Jaleh Shojaeian; Amir Hassan Zarnani; Pouneh Dokouhaki; **Ahmad Reza Mahmoudi**; Roya Ghods; Ali Ahmad Bayat; Mohammad Mehdi Akhondi; Mahyar Ostadkarampour; Mahmood Jeddi- Tehrani. Mutual helper effect in co-pulsing of dendritic cells with two antigens: A novel approach for improvement of dendritic-based vaccine efficacy against tumors and infectious diseases simultaneously. *Journal of Immunotherapy*, 2009 May;32(4):325-32
 7. Ali Moravvej, Mahmood Jeddi-Tehrani, Ali Reza Salek Moghaddam, Pouneh Dokouhaki, Mahdi Shekarabi, Roya Ghods, Mahdi Shahbazi, Jamileh Ghasemi, Parivash Danesh, **Ahmad Reza Mahmoudi**, Amir Hassan Zarnani. Assessment of Thyroglobulin Expression in Reproductive Organs at Different Stages of Mouse Estrous Cycle. *Avicenna Journal of Medical Biotechnology*, Vol. 1, No. 1, April- June 2009
 8. Shayda Hemmati, Amir Hassan Zarnani, **Ahmad Reza Mahmoudi**, Mohammad-Reza Sadeghi, Haleh Soltanghorae, Mohammad Mehdi Akhondi, Majid Tarahomi, Mahmood Jeddi-Tehrani, Hodjattallah Rabbani. Ectopic Expression of Sortilin 1 (NTR-3) in Patients with Ovarian Carcinoma. *Avicenna Journal of Medical Biotechnology*, Vol. 1, No. 2, July- September 2009
 9. Barzegar Yarmohammadi, Leila; Modarresi, Mohammad Hossein; Talebi, Saeed; Hadavi, Reza; Ostad Karampour, Mahyar; **Mahmoudi Ahmad Reza**; Akhondi Mohammad Mehdi; Rabbani, Hodjattallah; Jeddi-Tehrani, Mahmood. Producing Recombinant mTEX101; a Murine Testis Specific Protein. *J Reprod Infertil*. 2009;10 (3):193-8
 10. Mahmood Jeddi-Tehrani, Raheleh Torabi, Afsaneh Mohammadzadeh, Soheila Arefi, Mohammad Keramatipour, Hojjat Zeraati , Amir Hasan Zarnani, Mohammad Mehdi Akhondi, Jafar Mahmoudian, **Ahmad Reza Mahmoudi**, Saeed Zarei. Investigating association of three polymorphisms of coagulation factor XIII and Recurrent Pregnancy Loss. *American Journal of Reproductive Immunology*. 2010 Apr 12. [Epub ahead of print].
 11. Reza Hadavi, Amir Hassan Zarnani, Negah Ahmadvand, **Ahmad Reza Mahmoudi**, Ali Ahmad Bayat, Jafar Mahmoudian, Mohammad-Reza Sadeghi, Haleh Soltanghorae, Mohammad Mehdi Akhondi, Majid Tarahomi, Mahmood

Jeddi-Tehrani, Hodjattallah Rabbani. Production of Monoclonal Antibody against Human Nestin. *Avicenna Journal of Medical Biotechnology*, Vol. 2, No. 2, April-June 2010.

12. Jafar Mahmoudian, Mahmood Jeddi-Tehrani, Hodjattallah Rabbani, **Ahmad Reza Mahmoudi**, Mohammad Mehdi Akhondi, Amir Hassan Zarnani, Leila Balaei Goli, Mahdokht Babaei, Roya Ghods. Conjugation of R-Phycoerythrin to a Polyclonal Antibody and F(ab')₂ Fragment of a Polyclonal Antibody by Two Different Methods. *Avicenna Journal of Medical Biotechnology*, Vol. 2, No. 2, April- June 2010.