

CURRICULUM VITAE

Name: Amir Hassan Zarnani

Date of Birth: 3 Apr 1964

Sex: Male

Marital Status: Married with two children

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Education:

Post doctoral fellowship: Avicenna Research Institute, Tehran, Iran (2004-2008)

Ph.D. of Immunology, Tarbiat Modarres Univ. Tehran, Iran (1997-2004) (**score: first rank, 18.73 from 20**)

D.M.T.: Doctor of Medical Technology, Shahid Beheshti Univ. Tehran, Iran (1983-1992) (**score: first rank, 18.07 from 20**)

Experiences:

Research Activities:

- The role of rotaviruses in acute gastroenteritis
- Monoclonal and polyclonal antibody production
- Immunobiology of dendritic cells
- Immunobiology of normal pregnancy.
- Immunomodulation in pregnancy disorders: RSA, RIF and Endometriosis
- Cancer Immunology and Immunotherapy
- Nanobiotechnology

Institutional and technical experiments:

- Diagnostic methods in the fields of clinical hematology, biochemistry, mycology, serology, microbiology and parasitology
- Cell purification with density gradient media
- MACS
- Flow cytometry
- Protein purification
- Western blot
- Immunoprecipitation
- Electrophoresis
- Cytochemistry
- Immunocytochemistry, Immunohistochemistry, Immunofluorescence
- Tissue and cell culture
- Hybridoma technique and production of monoclonal antibody
- Photometry

- ELISA
- PCR
- MLR
- Cell proliferation assays
- Mouse and rat reproductive biology
- Cancer Immunotherapy

Administration:

- 1) Scientific Committee of the Endometriosis Association of Reproductive Medicine, 2013
- 2) Faculty member of Iran University of medical sciences, School of medicine, Department of Immunology (2005-2010)
- 3) Deputy of Research, Immunology Research Center, Iran University of Medical Sciences (From 2009)
- 4) Head of Nanobiotechnology Research Center, Avicenna Research Institute, Tehran, Iran (From 2009)
- 5) Deputy of Research, Immunology Research Center, Iran University of medical sciences (From 2007)
- 6) Consultant of immunological problems in infertility and recurrent abortion, Avicenna Research Institute (ARI) (from 2004)
- 7) Head of Reproductive Immunology Department, Reproductive Biology and Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran (From 2003)
- 8) Researcher of Avicenna Research Institute, Department of Immunology, Monoclonal Antibody Research Center (from 2003)
- 9) Head of diagnostic laboratories of several governmental hospitals (1992-1998)
- 10) Member of Scientific committee, Avicenna Research Institute (2008-)
- 11) Member of evaluation, interview and recruitment committees for Research-oriented PhD students, Avicenna Research Institute, from 2012
- 12) Member of committee for post-graduate education, Avicenna Research Institute, from 2012
- 13) Member of technology committee of stem cell research organization, from 2009
- 14) Member of nanotechnology organization of ministry of health and medical education (from 2011)

- 15) Member of technology committee of stem cell foundation (from 2011)
- 16) Member of technology committee of ministry of health and medical education (from 2011)

Review board of scientific journals:

- 1) Iranian journal of immunology
- 2) Iranian journal of allergy asthma and immunology
- 3) Journal of reproduction and infertility
- 4) Blood (Khoon)
- 5) Archives of Iranian Medicine
- 6) Cancer investigation
- 7) Journal of clinical laboratory analysis
- 8) Medical journal of Iran university of medical sciences
- 9) Avicenna journal of medical biotechnology
- 10) BioMedical Engineering OnLine
- 11) Medical oncology
- 12) Modares Journal of Medical Sciences
- 13) Iranian Journal of Basic Medical Sciences
- 14) Biotechnology and Applied Biochemistry
- 15) Gynecological Endocrinology
- 16) Plos One

Editorial Board of scientific journals:

- 1) Associate editor of Journal of reproduction and infertility (From 2010)
- 2) Journal of clinical immunology and immunopathology research (From 2009)
- 3) Associate editor of Avicenna journal of medical biotechnology (From 2008)

Teaching activities:

- Introduction to medical laboratory sciences for B.Sc students (1993-2001)
- General immunology for MD students (2002, 2005-2009)
- Immunology of Reproduction for Ph.D. students (2001-2009)
- Advanced biochemical methods and procedures for M.Sc. students (2002-2004)
- General immunology for nursing students (2005-2006)
- Advanced Immunology for Ph.D students (2005-2009)
- Special topics in immunology for Ph.D students (2005-2009)
- Basic immunology for M.Sc. students (2005-2009)
- Organ immunology for Ph.D students (2005-2009)
- Immunology course for residents of pathology (2005-2006)
- Seminars in immunology for Ph.D and MSc. students (2006-2009)
- Immunological methods for M.Sc. students (2006-2009)
- Immunology MSc. students (2006-2009)
- Immunopathology of viral diseases for Ph.D students (2006)
- Immunology of infectious diseases for M.Sc. students (2006-2008)
- Immunopathology of human reproduction M.Sc. students (2006-2008)
- Immunochemistry for Ph.D students (2006-2009)
- Immunochemistry for M.S.c students (2006-2009)

- Practical advanced Immunology for Ph.D and MSc students (2006-2009)
- Practical immunology for M.D students (2006-2009)
- Molecular immunology for Ph.D students (2010)
- Advanced Immunologic methods for Ph.D students (2010)
- Advanced techniques in molecular medicine for Ph.D. students (2010-2011)
- Immunohistochemistry for Ph.D and M.Sc students of Immunology (2012)
- Immunochemistry for Ph.D and M.Sc students of Immunology (2012)
- Research highlights and technical notes for Ph.D and M.Sc students (From 2011)
- Reproductive Immunology for Ph.D. students (2013)

Coadvisor of MD (Internalist) project:

- 1) Evaluation of anti HBs antibody titer in healthcare workers after vaccination with recombinant HBs vaccine

Supervisor of M.Sc projects:

- 1) Evaluation of thyroglobulin gene expression in endometrium of cycling Balb/c mice (Ali Moravvej: Iran university of Medical Sciences).
- 2) Evaluation of thyroid peroxidase gene expression in reproductive organs of Balb/c mice during estrous cycle (Maryam Abbasi: Iran university of Medical Sciences).
- 3) Evaluation of immunotherapeutic effects of dendritic cells co-pulsed with tumor antigen and a third party antigen in tumor bearing mice (Monireh torabi Rahvar: Iran university of Medical Sciences).
- 4) Effects of LPS and LTA on proliferation and apoptosis of cancerous cell lines (Simin Rezania: Iran university of Medical Sciences).
- 5) Immunomodulatory effects of vitamin D3 in production of inflammatory cytokines, TNF- α and IL-6 and expression of TLR-2, TLR-4 and MyD88 genes by LPS- and LTA-activated endometrial cells (Nesa Rashidi: Tehran University of Medical Sciences).
- 6) Evaluation of Sort 1 expression in ovary of patients with ovarian cancer (Sheida Hemmati: Khatam University).
- 7) Production and Characterization of Polyclonal Antibodies Against Bovine Pregnancy Associated Glycoprotein (PAG) (Malihossadat Pourmasjedi Meibod, Tehran University of Medical Sciences).
- 8) Immunophenotyping of menstrual and peripheral blood leukocytes in fertile and infertile women and women with unexplained recurrent spontaneous abortion (Samira Hosseini, Tehran University of medical sciences).
- 9) The evaluation of Transfected Mice Dendritic Cells by Atg8/Lc3 and AlphaLactalbumin fusion gene in Immune Responses to Alpha-lactalbumin (MohammadReza Bolouri, Shahid beheshti university of medical sciences)

- 10) The Study of Anti Tumor Effect of hAEc Immunization on Induced colon Adenocarcinoma in Balb/c mice. (Meeraj Tabatabaei, The university Of Shahid Beheshti)
- 11) Effect of trophoblast-derived kisspeptin on proliferation, invasion and adhesion of breast cancer cells (Zahra Rasoulzadeh, Tabriz University of Medical Sciences)

Coadvisor of M.Sc projects:

- 1) Study of immunosuppressive effects of pregnant mouse serum on allogenic stimulation of T cells by dendritic cells (Jeleh Shojaeian: Tarbiat Modarres University)
- 2) Effect of murine decidual culture supernatants on expression of indoleamine 2,3 dioxygenase by dendritic cells (Mehdi Mahdavi: Tarbiat Modarres University)
- 3) Expression of Indoleamine 2,3 Dioxygenase in endometrium of female mice during Estrous cycle (Narges Abbasi: Islamic Azad University)
- 4) Effect of pregnant murine serum on expression of indoleamine 2,3 dioxygenase by dendritic cells (Shohreh Nikoo: Tarbiat Modarres University)
- 5) Study of immunosuppressive effects of pregnant mouse serum on capacity of dendritic cells to induce antigen-specific proliferation and cytokine production by T lymphocytes (Mahmood Bozorgmehr: Tarbiat Modarres University)
- 6) Evaluation of VDR gene expression in endometrium of cycling Balb/c mice (Mehdi Shahbazi: Iran university of Medical Sciences)
- 7) Relationship between serum levels of anti EBV antibodies and production of IFN γ , IL-4 and IL-12 by mitogen-activated peripheral blood mononuclear cells in patients with multiple sclerosis (Bahareh Laraibi: Iran University of Medical Sciences)
- 8) Study of HLA-I and HLA-II expression in osteocytes differentiated from menstrual blood-derived stromal stem cells.(Saeideh Darzi, Iran University of Medical Sciences).
- 9) Effect of estradiol on expression of GnRH gene in endometrial cells in vivo (Mehrnoush Farahpour, Khatam University).
- 10) Effect of estradiol on expression of GnRH receptor gene in endometrial cells in vivo (Mahtab Farzad Tabar, Islamic Azad University).
- 11) Evaluation of interactions between human neutrophils/macrophages and Leishmania tropica in early entrance. (Narges Shahmohammad, Iran University of Medical Sciences).

- 12) Produce monoclonal antibodies and polyclonal against specific markers and transplantation of human stem cell spermatogonia for spermatogenesis in the mouse mode nude azoospermia. (Leila Gohar Bakhsh).
- 13) Production and Characterization Of polyclonal & monoclonal antibodies against The *Toxoplasma gondii* major surface antigen (SAG1) Peptide. (Mohadese Naghi Vishteh).
- 14) Using Herceptin-functionalized ORMOSIL (organically modified silica) nanoparticles for breast cancer cells targeting (Vahid Shir-shahi, Tehran University of Medical Sciences).
- 15) Neural differentiation Potential of Human Mesenchymal Stem Cells derived from menstrual blood and bone Marrow (Fereshte Azedi, Shahid Beheshti University of Medical Sciences).
- 16) Isolation and Culture of Spermatogonial Stem Cell (Maryam Rahmati Ahmad Abadi, The University Of Oroumie)
- 17) Comparison of different methods for purifying stem cell spermatogonia goat (Minoo Geifani: Student at International Immunology Aras).

Supervisor Ph.D. projects:

- 1) Application of nanoparticle Quantum Dots in the early diagnosis of breast cancers in Iran (Akram-sadat Tabatabaei: Islamic Azad University).
- 2) Immunomodulation induced by Dioxin in patients with endometriosis (Shohreh Nikoo: Tarbiat Modarres university).
- 3) Evaluation of correlation between serum vitamin D3 levels and T regulatory and Th17 cells percent and its effects in pre-cancerous state of endometrioma (apoptosis, adhesion and invasion) in patients with ovarian endometrioma (Ali-akbar Delbandi: Mashhad University of Medical Sciences).
- 4) Molecular characterization of a novel isoform of ROR1 receptor tyrosine kinase, and its role in cell signaling (Flora Forouzesh: Islamic Azad University).
- 5) The effect of endometriotic patients menstrual blood stromal stem cells on dendritic cell maturation and function (Mahmood Bozoegmehr, Tarbiat Modarres University).
- 6) Comparative investigation of stem cells derived from human menstrual blood and bone marrow differentiate to cardiomyocytes in 2D and 3D condition (Maryam Rahimi, Tarbiat Moalem University Of Tehran).
- 7) Evaluation of the immunohistopathologic and therapeutic effects of anti Siglec-F antibody in the lung of a mouse model of breast cancer and allergic asthma (Sima Shah Mohammadi Farid, Tehran University of Medical Sciences)

8) Effect of anti PLAC1 antibodies on cancerous behavior of breast cancer cell lines in vitro and in vivo (Roya Ghods, Tehran University of Medical Sciences)

9) Study of resveratrol and etoposide mechanisms on HepG2 and HCT-116 cell lines in hyperinsulinemia (Fatemeh sadate Amiri, Tehran University of Medical Sciences)

Coadvisor of Ph.D projects:

- 1) Production of chimeric anti HBs monoclonal antibodies for prophylaxis of HBV infection (Forough Golsaz Shirazi: Iran university of Medical Sciences).
- 2) Designing of a Quantum Dot-based fluoroimmunoassay for measurement of serum CA125 in patients with ovarian cancer (Sorour Shojaeian: Tarbiat Modarres University).
- 3) Immunomodulatory effects of vitamin D3 in production of IFN- γ , IL10, TGF- β , IL6, IL17 and gene expression of LIF, LIFR & HOXA10 in the endometrium of women with idiopathic recurrent implantation failure and control (Samira Rajaei: Tehran University of Medical Sciences).
- 4) Analysis of vitamin D3 metabolism and its immunomodulatory effects in women with recurrent spontaneous abortion (RSA) (Maryam Tavakkoli: Iran University of Medical Sciences).
- 5) The study of in vivo effects of active form of vitamin D3 on dendritic cells and investigation of their tolerogenic effects using EAE model (Mohammad Mehdi Eftekharian: Tarbiat Modarres University).
- 6) Assessment of apoptosis and angiogenesis factors (VEGF and Angiopoetin) in human ovarian cortex after transplantation in nude mice (Maryam Hormozi: Iran University of medical Sciences).
- 7) The Study of Potency of Differentiation of Male Mouse Bone Marrow Stem Cells to Spermatogonial Stem Cells (Reza Shirazi: Tehran University of Medical Sciences).
- 8) The study of the effects of vitamin A supplementation on immune system and Th1/Th2 balance in patients with atherosclerosis (Maryam Mahmoudi: Tehran University of Medical sciences).
- 9) Study the profile of luteinizing hormone (LH) receptor in hippocampus of castrated rat model (Hosein Abtahi: Iran University of Medical Sciences).
- 10) Evaluation of the role of Sort-1 in survival of ovarian cell lines. (Fatemeh Ghaemi manesh: Tarbiat modarres university).
- 11) Combination of TLR3 Agonist and Silibinin as Immunoadjuvant in Breast Cancer: An in vitro study on cancer cell line model. (Nastaran Alizedeh, Iran University of Medical sciences).

- 12) The study of the effects of vitamin A supplementation on immune system and Th1/Th2 balance in patients with atherosclerosis (Maryam Mahmoodi, Tehran University of Medical Sciences).
- 13) Effect of pomegranate extract consumption on sepsis induced oxidative stress, inflammatory response and clinical progress in CLP model of sepsis in rats (Sanaz Tavassoli, Tehran University of Medical Sciences).
- 14) Study of *Brucella melitensis* omp31, 1197260 (DNAK Protein), 1197813, 1196780 (TF Protein) genes product potential in inducing in vitro and in vivo immune response in Balb/C mouse (Amir Ghasemi, Tehran university of Medical Sciences).
- 15) Cloning, expression and purification of *Helicobacter pylori* catalase, fliD and tig genes product and study their potency to detect *Helicobacter pylori* in serum and stool samples of human by ELISA method. (Mohammad Khalife Gholi, Tehran University of Medical Sciences).
- 16) Seroreactivity determination of Brucellosis patient serum to recombinant protein Resulting of cloning and expression of *Brucella melitensis* VirB12 gene (Shiva Mir-Kalantar, Tehran University Of Medical Sciences)
- 17) Study of the induction of apoptosis by umbelliprenin on CLL cell line (Omid Gholami, Shahid Beheshti university of Medical Sciences)
- 18) Molecular and cellular (patho)physiology of G protein activated inwardly activated rectifying potassium channel subunits in breast cancer cells. (Simin Rezaia, Medical University of Graz, Austria)

Completed projects (As project manager or main co-worker):

- 1) 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.
- 2) Characterization of murine decidual dendritic cells during pregnancy.
- 3) Induction of Endometriosis with implantation of endometriotic fragments in female rats peritoneum.
- 4) Application of Nanoparticle Quantum Dots in the Early Diagnosis of Two Most Common Ovarian and Breast Cancers in Iran.
- 5) Expression of Indoleamine 2,3 Dioxygenase in endometrium of female mice during Estrous cycle.

- 6) Evaluation of VDR gene and protein expression in reproductive tissues of Balb/c mice during estrous cycle and pregnancy.
- 7) Evaluation of thyroglobulin gene and protein expression in reproductive tissues of Balb/c mice during estrous cycle and pregnancy.
- 8) Investigation of structure and function of receptor tyrosinw kinase ROR-1 in B cell chronic lymphocytic leukemia (B-CLL): Investigation of leocomogenesis and target-specific therapy.
- 9) ODF2 protein in sperm tail of fertile and infertile men with sperm motility and quantitative abnormalities.
- 10) Serum level of thyroidal auto antibodies in fertile and infertile women and women with repeated pregnancy loss.
- 11) Evaluation of serum level of leptin in women with unexplained or immune-mediated recurrent abortion, ART failure and unexplained infertility.
- 12) Assessment of immunogenicity and reactogenicity of DPT vaccines in Iranian children. A national project.
- 13) Relationship between MTHFR genotype and hemocytein level in patient with recurrent abortion.
- 14) Evaluation of thyroid peroxidase gene expression in endometrium of Balb/c mice during estrous cycle.
- 15) Evaluation of presence of CD56+CD16+, CD19+CD5+, CD8+, CD4+ and CD3+ cells in patients with infertility, recurrent abortion and repeated IVF failure.
- 16) Simultaneous pulsing of dendritic cells with tumor antigen and a third-parthy antigen: A new approach for enhancing capacity of dendritic cells to present tumor antigens.
- 17) Analysis of vitamin D3 metabolism and its immunomodulatory effects in patients with recurrent spontaneous abortion.
- 18) Immunomodulatory effects of vitamin D3 in production of inflammatory cytokines, TNF- α and IL-6 and expression of TLR-2, TLR-4 and MyD88 genes by LPS-and LTA-activated endometrial cells.
- 19) Effect of LPS and LTA on proliferation of some cancerous cell lines.
- 20) Immunomodulatory effects of vitamin D3 in the endometrium Of women with unexplained recurrent implantation failure.
- 21) Evaluation of the potential role of Menstrual Blood Stromal Stem Cells in induction of endometriosis.

- 22) Immunophenotyping of menstrual and peripheral blood leukocytes in fertile and infertile women and women with unexplained recurrent spontaneous abortion.
- 23) Evaluation of vitamin D3 metabolism in women with recurrent spontaneous abortion.
- 24) Analysis of vitamin D receptor (VDR) expression in patients with non-obstructive azoospermia.
- 25) Evaluation of immunotherapeutic effects of dendritic cells co-pulsed with tumor antigen and a third party antigen in tumor bearing mice.

Ongoing projects (As project manager or main co-worker):

- 1) Effect of trophoblast-derived kisspeptin on proliferation, invasion and adhesion of breast cancer cells.
- 2) Production of new generation of anti-cancer vaccines: A national project.
- 3) Establishment of therapeutic monoclonal antibody technology in Iran; Phase 1: Laboratory scale production of anti-Her2 therapeutic monoclonal antibody. A national project.
- 4) Frequency of anti-thyroid antibodies in patients with endometriosis.
- 5) Assessment of apoptosis and angiogenesis factors (VEGF and Angiopoetin) in human ovarian cortex after transplantation in nude mice.
- 6) Study the profile of luteinizing hormone (LH) receptor in hippocampus of castrated rat model.
- 7) The Study of Potency of Differentiation of Male Mouse Bone Marrow Stem Cells to Spermatogonial Stem Cells.
- 8) Evaluation of correlation between serum vitamin D3 levels and T regulatory and Th17 cells and its effects in precancerous state of endometrioma in patients with ovarian endometrioma.
- 9) Functional evaluation of menstrual blood stromal stem cells from endometriosis patients in inducing regulatory T cells and the effect of dioxin as an environmental toxin on this phenomena.
- 10) Comparison of phenotypic characteristics and cardiogenic differentiation potential of human menstrual blood derived stem cells with bone marrow-derived mesenchymal stem cells.
- 11) The study of phenotypic and genotypic characteristics, proliferation and differentiation potential of human menstrual blood-derived stem cells in two and three dimensional culture system.
- 12) Production of monoclonal antibody against leptin.
- 13) Investigation of LH receptor isoforms and its relation to apoptosis in hippocampus of castrated rats.
- 14) Hepatic differentiation of human menstrual blood-derived stem cells.
- 15) Production of polyclonal and monoclonal antibodies against specific markers of spermatogonial stem cells and transplantation of these cells in azospermic nude mice in order to restoring spermatogenesis.

- 16) Production of anti-Her2 monoclonal antibodies with potential capacity of apoptosis induction in Her2 positive cells.
- 17) Production of chimeric anti-Her2 monoclonal antibodies with potential capacity of apoptosis induction in Her2 positive cells.
- 18) Study of resveratrol and etoposide mechanisms on HepG2 and HCT-116 cell lines in hyperinsulinemia
- 19) Study on anti-tumor effects of tin (IV) carboxylates
- 20) Effects of new cytotoxic platinum complex
- 21) The Study of Anti- Tumor Effect of hAEC Immunization on Induced Colon Adenocarcinoma in Balb/C Mice
- 22) Application of gold nanoparticles for protein determination in Western blot and Elisa methods
- 23) Design of gold nanorods with fluorescent properties in order to detection and thermal therapy of cancer cells simultaneously
- 24) Design and synthesis of smart nanohydrogel for drug delivery
- 25) Synthesis and application of titanium dioxide nanoparticles (TiO₂) on antibiotic-resistant and antibiotic-sensitive bacteria
- 26) Synthesis of anti-HER2 immunoliposomes containing 1-Methyl tryptophan and Doxorubicin for breast cancer immunotherapy: Phase1; in vitro experiments
- 27) Design and MACS columns
- 28) Phenotypic and genotypic characteristics of potential proliferation and differentiation of tissue stem cells derived from human menstrual blood cultures in two-dimensional and three-dimensional environments, specific
- 29) Of phenotypic characteristics, potential for cardiac differentiation of stem cells derived from human menstrual blood than bone marrow-derived mesenchymal stem cells
- 30) Design, Synthesis and Functionalization of QD525 Nanoparticles
- 31) Production of monoclonal antibodies against human SSEA-3 / SSEA-4 / SOX-2 / TRA-1-60 / NANOG / CD29 / CD90 / CD166 / CD106 / CD11b / CD14 / CD31 / CD45 and mouse SSEA1
- 32) Production of Protein A Columns.
- 33) Effect of anti PLAC1 antibodies on cancerous behavior of breast cancer cell lines *in vitro* and *in vivo*.

Professional membership:

- Member of European society for Reproductive immunology.
- Member of Iranian society of allergy asthma and immunology.
- Member of Iranian society of Immunology.
- Member of Iranian society of medical laboratory doctors.

Workshops (as lecturer and Scientific Chair):

- 1) Cell culture, Avicenna Research Institute, 2010.
- 2) Synthesis of CdSe nanoparticles as a quantum dots core in coordinating and non-coordinating solvents. Avicenna Research Institute, 2010.
- 3) Training Course New Techniques in Real Time PCR, Fargen Pouyesh Co. 18 October 2010. Avicenna Research Institute, Tehran, Iran.
- 4) Bioconjugation, Avicenna Research Institute, 2010.
- 5) Production of monoclonal antibodies, Avicenna Research Institute, 2010. (Two workshops).
- 6) Immunohistochemistry, Avicenna Research Institute, 2010.
- 7) Immunohistochemistry, Avicenna Research Institute, 2010. (workshop attendance certificate)
- 8) Production of monoclonal antibodies, Avicenna Research Institute, 2009 (Two workshops).
- 9) Workshop on recurrent spontaneous abortion, Avicenna Research Institute, 2008.
- 10) Laboratory animals, 2008, Avicenna Research Institute, Shahid Beheshti University of medical sciences.
- 11) Production of monoclonal antibodies, 2008, Avicenna Research Institute, Shahid Beheshti University of medical sciences.
- 12) Laboratory animals, 2007, Avicenna Research Institute, Shahid Beheshti University of medical sciences.
- 13) Immunohistochemistry, 2007, Avicenna Research Institute, Shahid Beheshti University of medical sciences.
- 14) Workshop on recurrent spontaneous abortion, Avicenna Research Institute, 2007.
- 15) Application of quantum dots nonoparticles in medicine, Avicenna Research Institute, 6 March 2007.

- 16) Production of monoclonal antibodies, 2007, Avicenna Research Institute, Shahid Beheshti University of medical sciences.
- 17) Production of monoclonal antibodies, 2006, Avicenna Research Institute, Shahid Beheshti University of medical sciences.
- 18) Immunohistochemistry, 2006, Avicenna Research Institute, Shahid Beheshti University of medical sciences.
- 19) Dendritic cells and Immune response, 2004, Tarbiat Modarres University.
- 20) Viral infections during pregnancy, 2004, Avicenna Research Institute, Shahid Beheshti University of medical sciences.
- 21) Production of monoclonal antibodies, 2002, Avicenna Research Institute, Shahid Beheshti University of medical sciences.

Conferences, meetings (from 2000)

- 1) The 17th National And 5th International Iranian Biology Conference. Shahid bahonar University Of Kerman. 4-6 September 2012.
- 2) 1st National Conference on Multi-Component Reactions, Kerman, Iran, 30,31 May 2012
- 3) 19th Iranian Seminar on Organic Chemistry, Vali-e-Asr University of Rafsanjan, 5 -7 Sep. 2012
- 4) ESHRE meeting, Istanbul, Turkey, 1-4 July 2012
- 5) 10th Annual Meeting International Society for Stem cell Research (ISSCR) Yokohama, Japan. 13-16 June 2012
- 6) Joint International Congress of the American Society for Reproductive Immunology (ASRI) & the European Society for Reproductive Immunology (ESRI), Hamburg, Germany. 31 May – 2 Jun 2012.
- 7) 4th Congress of Reproductive Health Research Center Shahid Beheshti University of Medical Sciences. 7 March 2012.
- 8) 11th International Congress of immunology & Allergy. April 2012. Tehran, Iran
- 9) 3rd International and 18th National Congress Of Iranian Society For reproductive Medicine. April 2012

- 10) 4th International Conference on nanostructures. 12-14 March 2012, Kish Island, I.R. Iran.
- 11) 4th Yazd International Congress and Student Award in Reproductive Medicine. 15-17 April 2011. Yazd. Iran.
- 12) 4th International Congress of Molecular Medicine, Istanbul. Turkey. 27-30 June 2011.
- 13) 12th Congress of Biochemistry & 4th International Congress of Biochemistry and molecular Biology, Mashhad. Iran, September 2011.
- 14) 9th International Congress on Obstetrics and Gynecology/Nov.2011. Iran. Tehran.
- 15) Österreichische Gesellschaft für Allergologie und Immunologie, Austria, 2011
- 16) The 4th International & 9th National Congress on Quality Improvement in Clinical Laboratories, Tehran, 2011
- 17) 12th congress of gynecology and obstetrics, Tehran, 2010
- 18) Tissue Engineering & Regenerative Medicine International Society, 15-17 September 2010, Sheraton On The Park, Sydney Australia
- 19) 6th Congress On Stem Cell Biology & Technology, 15-17 September 2010, Royan Institute Tehran Iran
- 20) 14th International Congress Of Immunology Kobe, Japan, 22-27 AUGUST 2010
- 21) Genetics, Law, Ethics, Psychology, Tehran, 10-11, Nov 2010
- 22) New approaches for early detection of diseases (Immunocolus), Rasool akram Hospital, Tehran, 2010
- 23) 10th international congress of immunology and allergy of Iran, 18-20 May 2010, Shahid Beheshti University, Tehran, Iran
- 24) Seminar on molecular basis of cancer, 28 Feb 2010, Tehran, Iran.
- 25) Laser microdissection, Baghiat allah Research Center, 20-22 Dec 2009
- 26) 8th international congress on obstetrics and gynecology, 5-9 Nov, 2009, Tehran, Iran.
- 27) 16th national and first international congress of Iranian society for reproductive medicine, 3-5 Mar 2009, Shiraz, Iran.

- 28) 9th international congress on new trends in immunosuppression & immunotherapy, 4-6 2010, Geneva, Switzerland.
- 29) 14th world congress gynecological endocrinology, 4-7 Mar 2010, Italy.
- 30) The 2nd international and seventh national congress on quality improving in clinical laboratories, 20-23 April 2009, Razi meeting center, Tehran, Iran.
- 31) The 1st national congress of endometriosis, Shahid Beheshti University of Medical Sciences, 12-13 Nov 2008.
- 32) 6th European congress of reproductive immunology, Moscow, Russia, June 30-July 3, 2008.
- 33) 9th Iranian congress of immunology and allergy, Tehran, Iran, June 17-19, 2008.
- 34) Congress on application of nanotechnology in medicine, Iran university of Medical Sciences, 13 NOV 2007.
- 35) 13th International Congress of Immunology, Rio de Janeiro, Brazil, Aug 21-25, 2007.
- 36) 2nd International student award and congress in reproductive medicine, May 11- 13, 2007. Yazd, Iran.
- 37) 6th biennial congress on Immunology, Asthma & Allergy, New concepts in prevention, diagnosis & treatment. May 22-24 2007, Iran Univ. of medical sciences, Tehran, IRAN.
- 38) 1st Mediterranean workshop of clinical Immunology, Evora, Portugal, 26-29 OCT 2006.
- 39) 8th Iranian congress of immunology and allergy, Tehran, 16-18 July 2006.
- 40) 3rd European congress of Reproductive Immunology, University of Essex, UK. 11-15 Sep, 2005.
- 41) 6th international congress on obstetrics and gynecology, November 25-29, 2005, Tehran, Iran.
- 42) The 1st congress on immunological aspects of fertility and infertility, Isfahan Univ. of medical sciences, 14-15 Jan 2004.
- 43) 7th Iranian congress of immunology and allergy Mashhad 4-7 may 2004.
- 44) 12th international congress of immunology, Montréal, Canada, 18-23 July 2004.
- 45) 10th annual meeting of Middle East fertility society, Beirut, Lebanon, 10-13 Dec 2003.
- 46) First Iranian congress for cell and developmental biology, University of Tehran, 13-14 Sep 2003.

- 47) Seminar on environmental factors and infertility, Avicenna Research Institute, Tehran Iran 2002.
- 48) 6th Conference of immunology and allergy, Iran Univ. of medical sciences, Tehran, Iran, 7-9 May 2002.
- 49) Scientific meeting of Indian society for histocompatibility and immunogenetics ,All Indian Institute of medical sciences, New Delhi 2001.
- 50) 12th International congress on pediatric diseases, Tehran Univ. of medical sciences, Tehran, Iran 2000.
- 51) 5th conference of immunology and allergy, Tarbiat Modarres Univ. Tehran, Iran, 17-19 May 2000.
- 52) Basic and Clinical NEUROSCIENCE CONGRESS 2012, Tehran, Iran, Razi Convention Center, 7-9 Nov 2012.
- 53) Molecular Immunology & Immunogenetics Congress, 2012.
- 54) 24th International congress of pediatrics & 10th National congress of pediatric Nuersing, October 11-15, 2012, Tehran-Iran.
- 55) 5th Yazd International Congress and Student Award in Reproductive medicine. Yazd, May-April 2013.
- 56) 20th Iranian Seminar Of Organic Chemistry, 3-5 JULY 2013, FACULTY Of Chemistry Bu-Ali Sina University Hamedan.
- 57) The 16th Iranian Chemistry Congress. Yazd University – September 2013.
- 58) World Congress Advanced Materials, Izmir, Turkey. 16-19 September 2013.

Conferences as Scientific Committee:

- 1) Scientific Committee of the Endometriosis Association of Reproductive Medicine, 2013
- 2) 2nd national congress of endometriosis, ARI, Tehran, Iran, 2012
- 3) 12th congress of gynecology and obstetrics, Tehran, 2010
- 4) Genetics, Law, Ethics, Psychology, Avicenna Research Institute Of Iran 10-11 Nov 2010
- 5) 10th International Congress of Immunology & Allergy of Iran. May 18-20, 2010. Tehran.

- 6) 16th National & First International Congress Of Iranian Society for Reproductive Medicine. 3-5 March, 2010 Shiraz-Iran.
- 7) 1st Congress Fertility Preservation. Jan 13-14, 2010 Tehran Iran.
- 8) 2nd International and 7th National Congress on Quality Improvement In Clinical Laboratories. 20-23 April 2009 Tehran-Iran.
- 9) Molecular Principles of Cancer Congress. 1March 2010. Tehran Iran.
- 10) The 9th Iranian Congress of Immunology & allergy. 17 Jun 2008 Tehran Iran.
- 11) 6th Iranian congress of Immunology and Allergy. 7-9 May, 2002. Tehran Iran.
- 12) Congress on Immunological aspects of Fertility and Infertility. 14-15 Jun 2004 Isfahan University of Medical Sciences Avicenna Research Center.

Presentations (Domestic): (from 2000)

- 1) R. Ghahremanzadeh, H. Naeimi, **A. H. Zarnani**, Z. Rashid. one-pot synthesis of spiro-furo-pyrido-pyrimidine-indoline derivatives by using a highly active magnetically reusable nanocatalyst in green media. The 16th Iranian Chemistry Congress. Yazd University – September 2013. **(Poster Presentation)**.
- 2) H. Naeimi, R. Ghahremanzadeh, **A. H. Zarnani**, Z. Rashid. synthesis of novel spirooxindoles in the presence of magnetic nanoparticles as a recoverable and reusable catalyst in PEG-400. The 16th Iranian Chemistry Congress. Yazd University – September 2013. **(Poster Presentation)**.
- 3) Bahadori M, Zarei S, Idali F, Zarei O, **Zarnani AH**, Jeddi Tehrani M. Investigation on the association of cytokine gene polymorphisms with recurrent miscarriage. 19th International Congress on Infertility, and Reproduction. Iranian Journal of Reproductive Medicine, Vol. 11, No 5 (Suppl. 2), May 2013. **(Poster Presentation)**.
- 4) Mohazzab_ A, Aminlou M, Akbari E, Akhondi MM, **Zarnani AH**, Shirzad M, Shervin A. Assessment of symptom distribution in patients with endometriosis. 19th International Congress on Infertility, and Reproduction. Iranian Journal of Reproductive Medicine, Vol. 11, No 5 (Suppl. 2), May 2013. **(Oral Presentation)**.
- 5) Ramin Ghahremanzadeh, Hossein Naeimi, **Amir Hassan Zarnani**, Zahra rashid. Using magnetic nanoparticles as reusable catalyst for the synthesis of novel spirooxindoles in water. 20th Iranian Seminar Of Organic Chemistry, 3-5 JULY 2013, FACULTY Of Chemistry Bu-Ali Sina University Hamedan. **(Poster Presentation)**.

- 6) Amir Ghasemi, Mohammad Hossein Salari, **Amir Zarnani**, Mahmood Jeddi-Tehrani. Study the potential of B. melitensis Omp31, Dnak, Hsp and TF proteins in inducing in vitro and in vivo immune responses in BalB/c mice. The 6th International & 11th National Congress on Quality Improvement in Clinical Laboratory April 20-23, 2013. **(Poster Presentation)**.
- 7) Amir Ghasemi, Mohammad Hosein Salari, **Amir Hassan Zarnani**, Mahmood Jeddi-Tehrani. Study the potential of Brucella melitensis recombinant HSP in conferring protection against. The 6th International & 11th National Congress on Quality Improvement in Clinical Laboratory April 20-23, 2013. **(Oral Presentation)**.
- 8) Ramtin Hadighi, Narges shahmohamad, **Amir Hassan Zarnani**, Reza Ranjbar, Lame Akhlaghi. Validation of In Vitro Assays for the Screening of Drug Activity Against Leishmania tropica. The 6th International & 11th National Congress on Quality Improvement in Clinical Laboratory April 20-23, 2013. **(Poster Presentation)**.
- 9) Delbandi AA, Mahmoudi Mr, **Zarnani AH**. Evaluation of anti-tumor and anti-inflammatory effects of vitamin D3 in endometrioma. 5th Yazd International Congress and Student Award in Reproductive medicine. Yazd, May-April 2013. **(Oral Presentation)**.
- 10) Nikoo S, Ebtekar M, Jeddi Tehrani M, **Zarnani AH**. Immunological evaluation and comparison of normal and endometriosis menstrual blood stromal stem cell. 5th Yazd International Congress and Student Award in Reproductive medicine. Yazd, May-April 2013. **(Oral Presentation)**.
- 11) Bahadori M, Zarei O, Zarei S, **Zarnani AH**, Jeddi Tehrani M. Investigation on the association of cytokine gene polymorphisms with recurrent miscarriage. 5th Yazd International Congress and Student Award in Reproductive medicine. Yazd, May-April 2013. **(Poster Presentation)**.
- 12) Fatemi R, Vahedian Z, Mirzadegan E, Mahdavi-pour M, **Zarnani AH**, Jeddi-Tehrani M, Idali F. Role of 17- β oestradiol for induction of regulatory T cells. 5th Yazd International Congress and Student Award in Reproductive medicine. Yazd, May-April 2013. **(Poster Presentation)**.
- 13) Momeniha M, Mohazzab A, Aminloo M, Shadjoo Kh, **Zarnani A.H**, Ghoojani A, Shervin A. A Comparison between Preoperative CA125 Serum Levels of Endometriotic and Non-endometriotic Patients in a Referral Laparoscopic Clinic in Iran between the Years of 2006-2011. 2nd National Congress on Endometriosis **(Oral Presentation)**.
- 14) Mina Amin lou, Azadeh Basharkhah, Abolfazl Ghoojani, **Amir-Hassan Zarnani**, Mohammad-mehdi Akhondi, Elham Akbari, Adel Shervin. Assessment of Symptoms, Signs, Physical Examination and Performed Laparoscopic Treatment for

Intestinal Endometriosis in a Referral Endometriosis Clinic in Iran between the Years of 2006-2011. 2nd National Congress on Endometriosis **(Oral Presentation)**.

- 15) Parvin Jaberipour, Arash Mohazzab, Mahdi Shirzad, Mohammad-mehdi Akhondi, Mina Aminlou, Malihe Zaman Momeniha, Adel Shervin. Assessment of Pain Decrease and Fertility Increment as Indices of Quality of Life after Laparoscopic Resection in Endometriotic Patients. 2nd National Congress on Endometriosis **(Oral Presentation)**.
- 16) Nikoo Sh, Ebtekar M, **Zarnani A.H**, Jeddi-Tehrani M. Dioxin effect on immune system function in endometriosis patients. 2nd National Congress on Endometriosis **(Oral Presentation)**.
- 17) Nikoo Sh, Ebtekar M, **Zarnani A.H**, Jeddi-Tehrani M. Effect of Dioxin on CD9 and CD29 Expression by Normal and Endometriosis Menstrual Blood Stromal Stem Cells. 2nd National Congress on Endometriosis **(Oral Presentation)**.
- 18) Delbandi A.A, Mahmoudi M, Shervin A, Akbari E, Jeddi-Tehrani M, Sankian M, **Zarnani A.H**. Evaluation of Anti-tumor and Anti-inflammatory Effects of Vitamin D3 in Endometrioma. 2nd National Congress on Endometriosis **(Oral Presentation)**.
- 19) Nikoo Sh, Ebtekar M, Jeddi-Tehrani M, **Zarnani A.H**. Immunological evaluation of menstrual blood stromal stem cells in endometriosis patients: role of IDO and cytokines. 2nd National Congress on Endometriosis **(Oral Presentation)**.
- 20) Arash Mohazzab, Farzaneh Sadat Khezri, Elham Akbari, Mohammad-mehdi Akhondi, Kouros Kamali, **Amir-Hasan Zarnani**, Adel Shervin. Second Look Laparoscopy Findings in Patients with Endometriosis. 2nd National Congress on Endometriosis **(Oral Presentation)**.
- 21) Elham Akbari, Mina Aminlou, Kadijeh Shadjou, Abolfazl Ghoojani, Arash Mohazzab, Amir-Hasan Zarnani, Mohammad-mehdi Akhondi, Adel Shervin. Symptomatology, Diagnosis and Treatment of Endometrioma in a Referral Endometriosis Clinic in Iran from 2006 to 2011. 2nd National Congress on Endometriosis **(Oral Presentation)**.
- 22) Delbandi A.A, **Zarnani A.H**, Shervin A, Akbari E, Jeddi-Tehrani M, Sankian M, Mahmoudi M. The Study of Th17 and Treg Cell Populations in Endometriotic vs. Non-Endometriotic Patients. 2nd National Congress on Endometriosis **(Oral Presentation)**.
- 23) Shirshahi V, Shamsipour F, **Zarnani AH**, Verdi J, Vafaei S, Farid S, Saber R. Using functionalized ORMOSIL (organically modified silica) nanoparticles for breast cancer cells targeting in vitro. The 17th National And 5th International Iranian Biology Conference. Shahid bahonar University Of Kerman. 4-6 September 2012. **(Poster Presentation)**.

- 24) Azedi Tehrani F, Kazemnejad, **Zarnani AH**, Behzadi J, Akhondi MM. Derivation of neurospheres from human menstrual blood stem cells: in comparison with human bone marrow mesenchymal stem cells. Basic and Clinical NEUROSCIENCE CONGRESS 2012, Tehran, Iran, Razi Convention Center, 7-9 Nov 2012 (**Poster Presentation**).
- 25) H.Naeimi, **A.H.Zarnani**, R. Ghahremanzadeh, Z. Rashid. An Efficient One-Pot multicomponent synthesis of Novel spirooxindoles using CuFe_2O_4 as a reusable nanocatalyst. 1st National Conference on Multi-Component Reactions. 30,31 May 2012, Kerman (Iran). (**Poster presentation**).
- 26) G. Imani Shakibaei, A. Bazgir, R. Ghahremanzadeh, **A. H. Zarnani**, M. M. Akhondi, Synthesis of novel 2-(3-(dicyanomethyl)-2-oxoindolin-3-ylthio)acetic acid derivatives in water at presence of nanomagnetic catalyst. 19th Iranian Seminar on Organic Chemistry Vali-e-Asr University of Rafsanjan, 5 -7 Sep. 2012. (**Poster presentation**).
- 27) H. Naeimi, R. Ghahremanzadeh, **A. H. Zarnani**, Z. Rashid. Highly active magnetically separable CuFe_2O_4 nanoparticles: an efficient catalyst for the synthesis of novel spirooxindoles. 19th Iranian Seminar on Organic Chemistry Vali-e-Asr University of Rafsanjan, 5 -7 Sep. 2012. (**Poster presentation**).
- 28) Fatemi R, Vahedian Z, Mirzadegan E, **Zarnani A.H**, Jeddi-Tehrani M, Idali F. 17- β Oestradiol Induces the Generation of Regulatory T Cells from Naïve CD_4^+ T Cells. 11th International Congress of immunology & Allergy. April 2012. (**Oral Presentation**).
- 29) Ghaemimanesh F, Babaei S, Shaban E, **Zarnani A.H**, Jeddi-Tehrani M, Rabbani H. Anti Sortilin Antibody Induces Apoptosis in Ovarian Cancer Cell Lines. 11th International Congress of immunology & Allergy. April 2012. (**Poster presentation**).
- 30) Eftekharian M.M, **Zarnani A.H**, Khademi Y, Moazeni S.M. Calcitriol-Treated Dendritic Cells: Phenotypic and Functional properties and Their Effects on EAE. 11th International Congress of immunology & Allergy. April 2012. (**Oral Presentation**).
- 31) Hosseini S, Zarnani A.H, Asgarian-Omran H, Yousefi M, Vahedian Z, Arefi S, Eshraghian M.R, Jeddi-Tehrani M, Shokri F. Comparative Immunophenotypic Profiles of Menstrual and Peripheral Blood Leukocytes In Fertile Women. 11th International Congress of immunology & Allergy. April 2012. (**Poster presentation**).
- 32) Rashidi N, Mirahmadian M, Jeddi-Tehrani M, Rezanian S, Ghasemi J, Bahmanpour M, **Zarnani A.H**. Effects of LPS and LTA in production of Inflammatory cytokines

- and Expression of TLR2, TLR4 & MyD88 by human endometrial cells. 11th International Congress of immunology & Allergy. April 2012. **(Poster presentation)**.
- 33) Vojgani Y, Zarei S, Tavangar B, Bayat A.A, Hadavi R, Vahedian Z, Mahmoudi A.H, Mirzadegan E, **Zarnani A.H**, Jeddi-Tehrani M. Evaluation of Human Leptin Expression in a liposarcoma Cell Line By Anti Leptin Monoclonal Antibody. 11th International Congress of immunology & Allergy. April 2012. **(Poster presentation)**.
- 34) Zarei S, Tavangar B, **Zarnani A.H**, Zeraati H, Kheirkhah T, Ferydonfar A.A, Pourheidari F, Nasernia J, Jeddi-Tehrani M, Shokri F. Immunogenicity of a local MMR Vaccine in 1-1.5 Year Old Iranian Children, a Prospective Study. 11th International Congress of immunology & Allergy. April 2012. **(Poster presentation)**.
- 35) Mojtavavi N, Karami Golbaghi M, Zarnani A.H, Sadeghipour A.R, Salekmoghadam A.R. Investigation the Effect of Breast Cancer Cell Line in a Mouse Model of Allergic Asthma. 11th International Congress of immunology & Allergy. April 2012. **(Oral Presentation)**.
- 36) Rajaei S, **Zarnani A.H**, Jeddi-Tehrani M, Tavakoli M, Mohammadzadeh A, Dabbagh A, Mirahmadian M. Is the Endometrial Cytokine Profile of Women With Repeated Implantation failure Similar to Fertile Women. 11th International Congress of immunology & Allergy. April 2012. **(Poster presentation)**.
- 37) Bozorgmehr M, Moazzeni S.M, Sheikhian A, Salehnia M, Ranjbar R, Abbasi F, **Zarnani A.H**. Menstrual Blood Stromal Stem Cells Inhibit Generation of Dendritic Cells from Peripheral Blood Monocytes. 11th International Congress of immunology & Allergy. April 2012. **(Poster presentation)**.
- 38) Madjd Z, Mojtavavi N, Akbari M.E, **Zarnani A.H**. Overexpression of the BRCA2 Pathway Gene EMSY in Primary Breast Cancers; a Study Using Tissue Microarray. 11th International Congress of immunology & Allergy. April 2012. **(Oral Presentation)**.
- 39) Naghi Vishte M, Seyyed Tabaei S.J, Rabbani H, **Zarnani A.H**, Zarei O, Amini N, Haghghi A, Bayat A.A, Jeddi-Tehrani M. Production of Polyclonal Antibody against SAG1 (P30) Protein of *Toxoplasma gondii*. 11th International Congress of immunology & Allergy. April 2012. **(Oral Presentation)**.
- 40) Nikoo S, Ebtekar M, Jeddi-Tehrani M, Ghasemi J, **Zarnani A.H**. The modulatory Effect Of TCDD on Menstrual Blood Stromal Stem Cells. 11th International Congress of immunology & Allergy. April 2012. **(Oral Presentation)**.
- 41) Delbandi A.A, **Zarnani A.H**, Shervin A, Jeddi-Tehrani M, Sankian M, Mahmoudi M. The study of Relationship between Serum Cytokines and Th17 and Treg Cell

- Populations in Endometric vs. Non-Endometriotic Patients. 11th International Congress of immunology & Allergy. April 2012. **(Poster presentation)**.
- 42) Delbandi A.A, Mahmoudi M, Shervin A, Jeddi-Tehrani M, Sankian M, **Zarnani A.H.** The study of Anti-tumor and Immunomodulatory Activity of Vitamin D3 in Endometrioma. 11th International Congress of immunology & Allergy. April 2012. **(Oral Presentation)**.
- 43) **Amir Hassan Zarnani.** Immunological modes of recurrent miscarriage. 3rd International and 18th National Congress Of Iranian Society For reproductive Medicine. April 2012. **(Oral Presentation)**.
- 44) R. Alizadeh, J. Mahmoudian, E. Shaban, **A. H. Zarnani.** Application of Nano Biosensor Based on Gold Nanoparticle for Identification of Immunoglobulin G Protein in Western Blot Test. 4th International Conference on nanostructures. 12-14 March 2012, Kish Island, I.R. Iran. **(Poster presentation)**.
- 45) Maryam Hormozi., Saeed Talebi., **Amir Hassan Zarnani.**, Mahmood Jeddi-Tehrani., Ladan Hosseinigohari., Mohammad Mehdi Akhondi. Effect of 5'-(N-Ethylcarboxamido) adenosine (NECA) on expression of VEGF and angiopoietin in the human ovarian cortex after transplantation to nude mice. 12th Congress of Biochemistry & 4th International Congress of Biochemistry and molecular Biology, Mashhad. Iran, September 2011 **(Oral presentation)**.
- 46) Sayeh Khanjani., Hale Edalatkhah., Saeed Talebi., Amir hassan Zarnani., Manijeh Khanmohammadi., Mahsa Bakhtiari Sani., Somaieh Kazemnejad. Evaluation of hepatogenic differentiation potential of menstrual blood derived stem cells. 12th Congress of Biochemistry & 4th International Congress of Biochemistry and molecular Biology, Mashhad. Iran, September 2011 **(Poster presentation)**.
- 47) Hosein Abtahi., Mohammad Shabani., Behnam Jameie., **Amir Hassan Zarnani.**, Saeed Talebi., Niknam Lakpour., Haleh Edalatkhah., Mohammad Mahdi Akhondi., Mostafa Amiri., Mohammad Reza Sadeghi. Regulation of luteinizing hormone receptor in hippocampal neurons following different long-lasting treatments in castrated adult rat. 12th Congress of Biochemistry & 4th International Congress of Biochemistry and molecular Biology, Mashhad. Iran, September 2011 **(Poster presentation)**.
- 48) Mahmood bozorgmehr., Seyed Mohammad Moazeni., **Amir Hassan Zarnani.**, Ali Sheykhan., Mozhdeh Salehnia., Reza Ranjbar., Fatemeh Abbasi. Inhibitory Effects of Menstrual blood Stromal Stem Cells on Generation of Dendritic Cells from Peripheral Blood Monocytes. 9th International Congress on Obstetrics and Gynecology / November.2011, Tehran.Iran **(Oral presentation)**.

- 49) Shohreh Nikoo., **Amir Hassan Zarnani.**, Massoumeh Ebtekar., Mahmood Jeddi-Tehrani., Ebrahim Mirzadegan. Differential Expression Of CD9 and CD29 from Patients with Endometriosis. 9th International Congress on Obstetrics and Gynecology / November.2011, Tehran.Iran (**Oral presentation**).
- 50) Samira rajaei., Mahroo Mirahmadian., Mahmood Jeddi-Tehrani., Maryam Tavakoli., Mojdeh Zonoubi., Ali Dabbagh., **Amir Hassan Zarnani.** The immunomodulatory Effects of 1,25(OH)₂ Vitamin D₃ on Cytokine Production by Endometrial Cells of Women with Repeated Implantation Failure. 9th International Congress on Obstetrics and Gynecology / November.2011, Tehran.Iran (**Oral presentation**).
- 51) Parisa Shahnazari., Saeed Zarei., Hodjatallah Rabbani., **Amir Hassan Zarnani.**, Hamid Reza Khoram Khorshid., Mahmood Jeddi-Tehrani. Prediction and Analysis of the Tertiary Structure of Human Sperm Protein Reactive With Anti-Sperm Antibody. 9th International Congress on Obstetrics and Gynecology / November.2011, Tehran.Iran (**Oral presentation**).
- 52) Farah Idali., Saeed Zarei., **Amir Hassan Zarnani.**, Mohammad Reza Sadeghi., hamid Reza Khoram-Khorshid., Afsaneh Mohammad-Zadeh., Raheleh Torabi., Zohreh Akbarzadeh-Pasha., Mahmood Jeddi-Tehrani. Plasminogen Activator Inhibitor 1 and Methylene Tetrahydrofolate Reductase Gene Mutations in Iranian Women with polycystic Ovary Syndrome. 9th International Congress on Obstetrics and Gynecology / November.2011, Tehran.Iran (**Poster presentation**).
- 53) Farhad Khosravi., Saeed Zarei., Elham Savadi., Negah Ahmadvand., **Amir Hassan Zarnani.**, Mohammad Mehdi Akhondi., Mahmood Jeddi-Tehrani. The Association of Plasminogen Activator inhibitor Type1 Mutation with Recurrent Pregnancy Loss. 9th International Congress on Obstetrics and Gynecology / November.2011, Tehran.Iran (**Poster presentation**).
- 54) Ebrahim Mirzadegan., Reza Hadavi., Zohreh Vahedian., Ali Ahmad Bayat., Ahmad Reza Mahmoodi., banafsheh Tavangar., Yasaman Vojgani., Saeed Zarei., **Amir Hassan Zarnani.**, Mahmood Jeddi-Tehrani. Analysis of Human Leptin Expression in Human Placental Choriocarcinoma Cell Line. 9th International Congress on Obstetrics and Gynecology / November.2011, Tehran.Iran (**Poster presentation**).
- 55) Raheleh Torabi., Mahmood Jeddi-Tehrani., Afsaneh mohammadzadeh., Soheila Arefi., Mohammad Keramatipour., Hodjatallah Zeraati., **Amir Hassan Zarnani.**, Mohammad Mehdi Akhondi., jafar Mahmoudian., ahmad Reza Mahmoudi., Saeed Zarei. Combination of Thrombophilic Gene Mutations Can Increase the Recurrent Pregnancy Loss. 9th International Congress on Obstetrics and Gynecology / November.2011, Tehran.Iran (**Poster presentation**).

- 56) Goharbakhsh L., Mohazzab A., Salehkhoh Sh., Heidari M., **zarnani A.H.**, Parivar K., Akhondi M.M. Isolation and culture of human spermatogonial stem cell from testis biopsy determined by GPR125. 4th Yazd International Congress and Student Award in Reproductive Medicine ‘15-17 April 2011 ‘Yazd,Iran (**Poster Presentation**).
- 57) Hormozi M, Soltanghoraei H, **Zarnani AH**, Jeddi-tehrani M, Hosseinigohari L, Talebi S, Khoramakhorsheed H, Kamali K, Jafarabadi M, Akhondi M. The effect of 5'-(N-Ethylcarboxamido) adenosine (NECA) on angiogenesis in transplanted human ovarian tissue. 4th Yazd International Congress and Student Award in Reproductive Medicine ‘15-17 April 2011 ‘Yazd,Iran (**Poster Presentation**).
- 58) **A.H. Zarnani**. Immunology of infertility and abortion, 12th congress of gynecology and obstetrics, Tehran, 2010 (**Oral presentation**).
- 59) F. Mohamadi, **AH. Zarnani**. Biological application of titanium dioxide photocatalysis. International Congress on Nanoscience and Nanotechnology 9-11 November 2010 Shiraz-Iran. (**Poster Presentation**).
- 60) Kazemnejad S, Akhondi MM, Soleimani M, **Zarnani AH**, Mohammadpoor F, Heidari M, Salehkhoh S .Differentiation Of Human Menstrual Blood Derived Stem Cells into Chondrocyte-Like Cells on A Nanofibrous Scaffold. 6th Congress On Stem Cell Biology & Technology, 15-17 September 2010, Royan Institute Tehran Iran. (**Poster Presentation**).
- 61) M Karami Gholbaghi, AR Sadeghipour, **AH Zarnani**, AR Salek Moghadam, N Mojtavavi. Scrutinize the Effect of Cancerous Cell Line in a Mouse Model of Allergic Asthma. 10th International Congress of Immunology & Allergy of Iran May 18-20, 2010. Tehran. (**poster presentation**)
- 62) S Rezaei, **AH Zarnani**, A Mozaffari, H Rabbani, M Mosallaei, L Katoozian, N Rashidi. Differential Expression of Toll-Like Receptor (TLR) Families by Cell Lines of Diverse Origins. 10th International Congress of Immunology & Allergy of Iran May 18-20, 2010. Tehran.(**Oral presentation**)
- 63) MM Eftekharian, SM Moazzeni, AH Zarnani. Dendritic Cell Induced Specific T Cell Responses Following Their in vivo Treatment by 1,25 Dihydroxycholecalciferol. 10th International Congress of Immunology & Allergy of Iran May 18-20, 2010. Tehran. (**poster presentation**)
- 64) MM Eftekharian, SM Moazzeni, **AH Zarnani**, InVivo Effects of calcitriol on Phenotypic and Functional Properties of Dendritic Cells. 10th International Congress of Immunology & Allergy of Iran May 18-20, 2010. Tehran. (**poster presentation**)
- 65) AA Delbandi, **AH Zarnani**, M Mahmoudi, A Shervin. The Study of Th17 and Regulatory T Cells Population in Endometriotic Patients. 10th International Congress of Immunology & Allergy of Iran May 18-20, 2010. Tehran. (**Oral presentation**)

- 66) Sh Nikoo, **AH Zarnani**, M Ebtekar, M Jeddi Tehrani, Z Vahedian. Regulatory Function of Menstrual Blood-Derived Stromal Stem Cells. 10th International Congress of Immunology & Allergy of Iran May 18-20, 2010. Tehran. **(Oral presentation)**
- 67) M Salavati, MS Poormasjedi Meibod, M Jeddi Tehrani, **AH Zarnani**, M Vojgani, H Rabbani, MM Akhondi. The Establishment of a Sandwich ELISA Based on a Homemade Polyclonal Antibody For Earliest Detection of Pregnancy Associated Glycoprotein. 10th International Congress of Immunology & Allergy of Iran May 18-20, 2010. Tehran. **(poster presentation)**
- 68) MS Poormasjedi Meibod, M Salavati, M Jeddi Tehrani, **AH Zarnani**, M Vojgani, H Rabbani, MM Akhondi. Polyclonal Antibody Production against a pregnancy Associated Glycoprotein Peptide: Application for Purification and Characterization of These Proteins from Placental Tissues. 10th International Congress of Immunology & Allergy of Iran May 18-20, 2010. Tehran. **(Oral presentation)**
- 69) MS Poormasjedi Meibod, M Salavati, M Jeddi Tehrani, **AH Zarnani**, M Vojgani, H Rabbani, MM Akhondi. Purification and Characterization of Blood Circulating Forms of Bovine Pregnancy Associated Glycoprotein from Iranian Holstein Dairy Cattle during Pregnancy. 10th International Congress of Immunology & Allergy of Iran May 18-20, 2010. Tehran. **(poster presentation)**
- 70) N Alizadeh, AR Salek Moghadam, **AH Zarnani**, MR Khoramizadeh. Effect of TLR3 Agonists on the Functionality and Metastatic Properties of Breast Cancer Cell Model. 10th International Congress of Immunology & Allergy of Iran May 18-20, 2010. Tehran. **(poster presentation)**
- 71) M Torabi, **AH Zarnani**, H Rabbani, E Torkabadi, N Mojtabavi, R Hadavi. Establishment of Murine Model of Human Breast Cancer Expressing Human Her2/neu. 10th International Congress of Immunology & Allergy of Iran May 18-20, 2010. Tehran. **(poster presentation)**
- 72) S Shojaeian, AA Allameh, AH Zarnani, M Jeddi Tehrani, E Torkabadi. Potential Application of Quantum Dot Nanoparticles for Early Detection of Ovarian Cancer. 10th International Congress of Immunology & Allergy of Iran May 18-20, 2010. Tehran. **(poster presentation)**
- 73) Hormozi M., Heidari M., Gohari-Hosseini L., Jeddi-Tehrani M., **Zarnani AH.**, Firoozrai M., Akhondi MA., Evaluation of fertility preservation techniques in young women with cancer, The first congress of fertility preservation, 13-14 Jan 2010, Tehran, Iran. **(Oral presentation)**

- 74) Hormozi M., Heidari M., Hoseini-Gohari L., Jeddi-Tehrani M., **Zarnani A.H.**, Firoozray M., Akhondi M.A. Evaluation of the Fertility Preservation Techniques in Girls and Young Women with Cancer, The first congress of fertility preservation, 13-14 Jan 2010, Tehran, Iran. (**Oral presentation**)
- 75) Madjd Z, Hashemi F., Shayanfar N., Farahani E., **Zarnani A.H.**, akbari ME. Human embryonic stem cell genes OCT4 and NANOG are expressed in breast, brain and thyroid carcinomas compared to testicular carcinoma. The 4th international breast cancer congress. Tehran, Iran, 4-6 March 2009 (**Oral presentation**)
- 76) **Zarnani AH**, Exploring the eminent role of vitamin D3 in reproduction. The 2nd international and seventh national congress on quality improving in clinical laboratories, 20-23 April 2009, Razi meeting center, Tehran, Iran (**Oral presentation**)
- 77) Spermetogonial stem cell transplantation in azoospermic mice. Jafarian A, Akhondi MA, Sadeghi MR, Pezhhan N, **Zarnani AH**, The 2nd international and seventh national congress on quality improving in clinical laboratories, 20-23 April 2009, Razi meeting center, Tehran, Iran (**Oral presentation**)
- 78) 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 the Extracellular domain of CA-125 Antigen. 9th Iranian congress of immunology and allergy, Tehran, Iran, June 17-19, 2008 (**Oral presentation**)
- 79) **Zarnani A.H.**, Emerging role of vitamin D3 in reproductive immunology, 9th Iranian congress of immunology and allergy, Tehran, Iran, June 17-19, 2008 (**As main lecturer**)
- 80) Shahbazi M., Jeddi-Tehrani M., **Zarnani A.H.**, Salek-Moghaddam A., Karimi F., Ghasemi J., Kazemi-Sefat Gh., Moravvej A., Rezania S., Ostad-Karampour M., Akhondi M.A.. Evaluation of the vitamin D receptor expression in murine reproductive organs during pregnancy. 9th Iranian congress of immunology and allergy, Tehran, Iran, June 17-19, 2008 (**Poster presentation**)
- 81) Shahbazi M., Salek-Moghaddam A., **Zarnani A.H.**, Jeddi-Tehrani M., Karimi. F, Ghasemi J., Kazemi-Sefat Gh., Moravvej A., Rezania S., Akhondi M.A. Expression of nuclear receptor of 1,25 dihydroxy vitamin D3 in reproductive organs of cycling mice. 9th Iranian congress of immunology and allergy, Tehran, Iran, June 17-19, 2008 (**Poster presentation**)
- 82) Tabatabaei-Panah A.S., **Zarnani A.H.**, Jeddi-Tehrani M., Chamankhah M., Ghods R, Bayat A.A., Kazemi-Sefat Gh., 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. . 9th Iranian congress of immunology and allergy, Tehran, Iran, June 17-19, 2008 (**Oral presentation**)

- 83) Tabatabaei-Panah A.S. **Zarnani A.H.**, Jeddi-Tehrani M., Chamankhah M., Bayat A.A., Ghods R., Kazemi-Sefat Gh., Mahmoudi A.R., Ostad Karampour, Akbarzadeh-Najar R., Akhondi M.A. Production and Characterization of anti- Her2 Monoclonal Antibodies. 9th Iranian congress of immunology and allergy, Tehran, Iran, June 17-19, 2008 (**Oral presentation**)
- 84) Moravvej A., **Zarnani A.H.**, Jeddi-Tehrani M., Salek-Moghaddam A., Shekarabi M., Ghods R., Kazemi-Sefat Gh., Ghasemi J., Shahbazi M., Rezania S., Akhondi M.A. Evaluation of thyroglobulin expression in endometrium of Balb/c female mice during estrous cycle. 9th Iranian congress of immunology and allergy, Tehran, Iran, June 17-19, 2008 (**Poster presentation**)
- 85) Moravvej A., **Zarnani A.H.**, Jeddi-Tehrani M., Salek-Moghaddam A., Shekarabi M., Ghods R., Kazemi-Sefat Gh., Ghasemi J., Shahbazi M. Rezania S., Ostad Karampour M., Akhondi M.A. Thyroglobulin is not expressed in pregnancy-related organs of pregnant mice. 9th Iranian congress of immunology and allergy, Tehran, Iran, June 17-19, 2008 (**Oral presentation**)
- 86) Bozorgmehr M., Nikoo Sh., Moazzeni S.M., **Zarnani A.H.** Induction of antigen-specific T cell response by dendritic cells: effect of pregnant mouse serum. 9th Iranian congress of immunology and allergy, Tehran, Iran, June 17-19, 2008 (**Oral presentation**)
- 87) Eftekharian M., Kamal Sarvestani E., **Zarnani A.H.**, Moazzeni S.M., Effect of calcitriol on immunophenotype of dendritic cells in vivo. 9th Iranian congress of immunology and allergy, Tehran, Iran, June 17-19, 2008 (**Oral presentation**)
- 88) **Zarnani A.H.** Immunology of endometriosis, The 1st national congress of endometriosis, Shahid Beheshti University of Medical Sciences, Tehran, Iran, 12-13 Nov 2008 (**oral presentation**)
- 89) Mahmoudi A.R., Bayat A.A, Jeddi Tehrani M., Balay goli L., Babaei M., Khakpour J., Barzegar L., **Zarnani A.H.**, Mahmoudian J., Ostadkarampour M., Akondi M.A., Ghods R. Preparation of affinity chromatography column using a polyclonal antibody for purification of mouse IgM. Proceedings of the 15th national & third international congress of biology. Aug 19-21, 2008, University of Tehran (**Poster presentation**)
- 90) Shamsipour F. **Zarnani A.H.**, Chamankhah M., Ghods R., Javan M., Forozesh F., Bayat a.A., Oghabian M.A., Jeddi Tehrani M. Conjugation of antibodies to magnetic nanoparticles for detection and treatment of breast cancer. Proceedings of the 15th national & third international congress of biology. Aug 19-21, 2008, University of Tehran (**Oral presentation**)
- 91) Tabatabaei A.S., **Zarnani A.H.**, Montaser kouhsari Sh., Jeddi Tehrani M., Chamankhah M., Bayat A.A., Ghods R., Kazemi Sefat Gh., Mahmoudi A.R., Akhondi M.A. Quantum dot nanoparticles: Highly sensitive fluorophores for detection of Her2 expression in breast cancer cells. 7th international congress on obstetrics and gynecology. 9-13 NOV 2007, Tehran, Iran (**Poster presentation**)

- 92) **Zarnani A.H.** Dendritic Cells as Vectors for Immunotherapy of Tumors: General Guidelines and Optimization, Seminar on cancer immunotherapy, May 24, 2007, Tehran Univ. of medical sciences. (**As main Lecturer**)
- 93) Nikko Sh., Moazzeni S.M., Bozorgmehr M., **Zarnani A.H.** The effect of pregnant mouse serum on IDO induction in dendritic cells. 2nd International student award and congress in reproductive medicine, May 11-13, 2007. **Fifth winner (Oral presentation)**
- 94) Abbasi N., Jeddi Tehrani M., **Zarnani A.H.**, Dokouhaki P., Ghasemi J., Akhoondi M.M. Expression profile of Indoleamine 2,3-Dioxygenase in endometrium of cycling mice. 8th Iranian congress of immunology and allergy, Tehran, 16-18 July 2006 (**oral presentation**)
- 95) Shojaeian J., **Zarnani A.H.**, Jeddi Tehrani M. Ghasemi J., Akhoondi M.M. A novel approach for enhancement of antigen presentation by dendritic cells. 8th Iranian congress of immunology and allergy, Tehran, 16-18 July 2006 (**oral presentation**)
- 96) Mahdavi M., Moazzeni S.M., **Zarnani A.H.** The effect of supernatant from decidual cell cultures on induction of indoleamine 2,3 dioxygenase in dendritic cells during allogenic MLR. 8th Iranian congress of immunology and allergy, Tehran, 16-18 July 2006 (**oral presentation**)
- 97) **Zarnani A.H.** Antigen presenting cell at the feto-maternal interface (**as main lecturer**). 8th Iranian congress of immunology and allergy, Tehran, 16-18 July 2006 (**oral presentation**)
- 98) **Zarnani A.H.**, Immunomodulation and Blood Transfusion, Seminars on Blood Transfusion Medicine, Zanjan, 30 Nov 2006 (**As main Lecturer**)
- 99) **Zarnani AH.**, Mohammadzadeh Kazorghah A., Gaffari Novin M., Arefi S., Modarresi MH., Jeddi Tehrani M. A case report of recurrent hydrops fetalis due to maternal alloimmunization with Kell antigen. 6th International congress on obstetrics and gynecology, 25-29 Nov 2005, Tehran Iran (**oral presentation**)
- 100) Behjati R., Modarresi MH., Jeddi Tehrani M., Dokoohaki P., Ghasemi J., **Zarnani AH.**, Arabi M., Memariani T., Gaffari Novin M., Tavakolian E., Akhondi MA. Thrombophilic mutations in Iranian patients with infertility and recurrent spontaneous abortion. 6th International congress on obstetrics and gynecology, 25-29 Nov 2005, Tehran Iran (**oral presentation**)
- 101) **Zarnani AH.** Vitamine D and immunoregulation. scientific meeting of Avicenna reseach center , 2005 (**oral presentation**)
- 102) **Zarnani AH.** Moazzeni SM., Shokri F., Salehnia M., Bayat AA., Mahmoodi SAR., 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 (**oral presentation**)
- 103) **Zarnani AH.** Moazzeni SM., Shokri F., Salehnia M., Bayat AA., Mahmoodi SAR., Vazirian F., Dokouhaki P., Jeedi-Tehrani M. Characterization of decidual Dendritic cells during mouse normal pregnancy, 7th Iranian congress of immunology and allergy Mashhad 4-7 may 2004 (**oral presentation**)
- 104) **Zarnani AH.** Moazzeni SM., Shokri F., Salehnia M., Bayat AA., Mahmoodi SAR., Vazirian F., Dokouhaki P., Jeedi-Tehrani M. Cytochemical characteristics of murine splenic Dendritic cells, 7th Iranian congress of immunology and allergy Mashhad 4-7 may 2004 (**poster presentation**)
- 105) Shojaeian J., Moazzeni SM., **Zarnani AH.** Functional comparison of Dendritic cells from pregnant and non- pregnant mouse spleen, 7th Iranian congress of immunology and allergy Mashhad 4-7 may 2004 (**poster presentation**)
- 106) Roohi A., Khoshnoodi J., **Zarnani A.H.**, Shokri F. Epitope mapping of hepatitis B surface antigen by murine monoclonal antibodies, 7th Iranian congress of immunology and allergy Mashhad 4-7 may 2004(**oral presentation**)
- 107) Dokouhaki P., Moghaddam R., Akbari-Asbagh F., Ghasemi J., **Zarnani A.H.**, Shokri F., Razavi SA., Jeedi Tehrani M. Relative usage of TCR-BV gene in endometrium and blood of patients with recurrent spontaneous abortion and normal controls. 7th Iranian congress of immunology and allergy Mashhad 4-7 may 2004 (**oral presentation**)
- 108) **Zarnani AH.** Moazzeni SM., Shokri F., Salehnia M., Bayat AA., Mahmoodi SAR., Vazirian F., Dokouhaki P., Jeedi-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(**poster presentation**)
- 109) **Zarnani AH.** Moazzeni SM., Shokri F., Salehnia M., Bayat AA., Mahmoodi SAR., Heidari M., Dokouhaki P., Jeedi-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(**poster presentation**)
- 110) Shojaeian J., Moazzeni SM., **Zarnani AH.** The effect of pregnant mouse serum on Dendritic cell function, 7th Iranian congress of immunology and allergy Mashhad 4-7 may 2004 (**oral presentation**)
- 111) Bayat AA., Ghods R., Behjati R., Saboor AA., **Zarnani AH.**, Jeedi Tehrani M., Production and characterization of a monoclonal antibody against ferritin, The 3rd national congress of biotechnology, Mashhad, 1382 (**oral presentation**)
- 112) Heidari M., Mahmoodi SAR., Torkabadi E.M., Ghods R., Bayat AA., **Zarnani AH.**, Jeedi Tehrani M., Sadeghi MR., Akhoondi MM. Production of monoclonal antibodies

- against sperm surface antigens and their characterization, The 3rd national congress of biotechnology, Mashhad, 1382(**poster presentation**)
- 113) Talebian A., **Zarnani AH.**, Jeddi Tehrani M., Sadeghi MR. Designing an ELISA method with sperm surface antigens for detection of anti sperm antibody and comparing it with sperm MAR test agglutination assay, First Iranian conference for cell and developmental biology, University of Tehran, 2003(**oral presentation**)
- 114) Mahmoodi SAR. Torkabadi EM. Heidari M., **Zarnani AH.**, Jeddi Tehrani M., Sadeghi MR. Characterization of human sperm surface antigens by monoclonal antibody, First Iranian conference for cell and developmental biology, University of Tehran, 2003 (**poster presentation**)
- 115) **Zarnani AH.** The role of Indoleamine 2,3 Dioxygenase in immunological tolerance to fetus, scientific meeting of Avicenna Research Center, 2003(**oral presentation**)
- 116) **Zarnani AH.** Th1/Th2 cytokine pattern of feto-maternal interface, scientific meeting of Avicenna research center , 2003 (**oral presentation**)
- 117) **Zarnani AH.** Moazzeni SM., Shokri F., Salehnia M., Bayat AA., Mahmoodi SAR., 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) (**oral presentation**)
- 118) Shojaeian J., Moazzeni SM., **Zarnani AH.** Effect of pregnant mouse serum on dendritic cell function. The 1st congress on immunological aspects of fertility and infertility, Isfahan Univ. of medical sciences, (2003) (**poster presentation**)
- 119) Mahmoodi SAR. 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. The 1st congress on immunological aspects of fertility and infertility, Isfahan Univ. of medical sciences ,(2003) (**oral presentation**)
- 120) Torkabadi E., **Zarnani A.H.**, Jeddi Tehrani M., Sadeghi M.R., Akhoondi M.M. Acrosome reaction assay by flow cytometry and comparison with triple staining and Quinacrine epifluorescence. The 1st congress on immunological aspects of fertility and infertility, Isfahan Univ. of medical sciences, (2003) (**poster presentation**)
- 121) Torkabadi E., **Zarnani A.H.**, Jeddi Tehrani M., Sadeghi M.R., Pakzad P., Akhoondi M.M. DNA vaccines and infertility. The 1st congress on immunological aspects of fertility and infertility, Isfahan Univ. of medical sciences ,(2003) (**oral presentation**)

- 122) **Zarnani AH.** The aims of quality control in blood transfusion services, seminar on problems and aims of blood transfusion services, Zanjan Univ. of medical sciences, Zanjan, Iran, 2002 (**oral presentation**)
- 123) **Zarnani AH.** Preparation and storage of cellular products of blood, seminar on problems and aims of blood transfusion services ,Zanjan Univ. of medical sciences , Zanjan ,Iran, 2002 (**oral presentation**)
- 124) **Zarnani AH.,**Moazzeni SM.,Shokri F.,Salehnia M. ,Jeddi-Tehrani M. Purification of Dendritic cells from mouse spleen, 6th Iranian congress of immunology and allergy, Iran University of Medical sciences, Tehran Iran,7-9 may 2002 (**poster presentation**)
- 125) **Zarnani AH.,** Vazirian F. Pinworm dermatitis ,report of two cases, 5th conference of immunology and allergy, Tarbiat Modarres Univ. Tehran, Iran 2000 (**oral presentation**)
- 126) **Zarnani AH.,**Modarres Sh., Jadali F., Sabahi F., Moazzeni SM., Vazirian F. Role of rotaviruses in children suffering from acute gastroenteritis , 12th International congress on pediatric diseases, Tehran Univ. of medical sciences, Tehran, Iran 2000 (**oral presentation**)

Presentations (International)

- 1) Sarah Maid Jabbari, Zohreh Mohammadi, **Amir H. Zamani.** DESIGN AND SYNTHESIS OF TEMPERATURE-SENSITIVE BIO-HYDROGEL COATED SIO₂-AU NANO CORE-SHELL FOR PHOTO THERMAL THERAPY OF CANCER CELLS. **World Congress Advanced Materials, Izmir, Turkey. 16-19 September 2013. (Oral Presentation).**
- 2) Sarah Majd Jabbari, **Amir H. Zarnani,** Hamid R. Barghi. SYNTHESIS OF A CHITOSAN NANO-HYDROGEL BASED MATRIX FOR CONTROLLED RELEASE OF METHYLPREDNISOLONE ACETATE. **World Congress Advanced Materials, Izmir, Turkey. 16-19 September 2013. (Poster Presentation).**
- 3) Forough TORABI, Elham SAFARPOOR, Niknam LAKPOUR, Mohammad Mehdi AKHONDI, Nazila AMINI, **Amir Hassan ZARNANI,** Hamed HEIDARI VALA, Mohammad Reza SADEGHI. Production and characterization of polyclonal antibody against fibronectin for its detection on the surface of human spermatozoa. **Molecular Immunology & Immunogenetics Congress, 2012 (Poster Presentation).**
- 4) S Zarei, A H Zarnani, H Zeraati, N Mohammadinia, O Rastani, F Sardari, B Tavangar, Y Vojgani, M Jeddi-Tehrani, F Shokri. **Immunogenicity to measles, mumps and rubella in Iranian infants with local MMR vaccine. 24th International congress of**

pediatrics & 10th National congress of pediatric Nursing, October 11-15, 2012 (Oral Presentation).

- 5) S.Zarei, R.Torabi, H.Zeraati, **A.H. Zarnani**, M.M. akhondi, R.Hadavi, E.Savadi-Shirazi. Which thrombophilic gene mutations are important to increase the risk of recurrent pregnancy loss? **Eshre (European Society of Human Reproduction & Embryology) Istanbul, Turkey (Poster Presentation).**
- 6) Khanjani Sayeh, Kazemnejad Somaieh, Khanmohammadi Manijeh, Sani Bakhtiary Mahsar, Torabi Foroughr, Amini Nazila, **Zarnani Amir Hassan**, Hayati Roudbari Nasima. EVALUATION OF HEPATOGENIC DIFFERENTIATION POTENTIAL OF MENSTRUAL BLOOD DERIVED STEM CELLS. 10th Annual Meeting International Society for Stem cell Research (ISSCR) Yokohama, Japan. 13-16 Jun 2012. **(Poster Presentation).**
- 7) **A.H. Zarnani**, N. Rashidi, M. Mirahmadian, M. Jeddi-Tehrani, S. Rezania, A. Kalantari . Vitamin D3 inhibits inflammatory cascade in endometrial cells through down regulation of TLR signaling. Joint International Congress of the American Society for Reproductive Immunology (ASRI) & the European Society for Reproductive Immunology (ESRI), Hamburg, Germany. 31 May – 2 Jun 2012. **(Poster Presentation).**
- 8) Zarei S., Jeddi-Tehrani M., Zarnani A.H., Zeraati H., Ferydonfar A.A., Pourheidari F., Nasernia J., Tavangar B., Vojgani Y., Shokri F. Immunogenicity of A Booster MMR Vaccine in Iranian Pre-School Children, Five Years After Primary Vaccination. 5th congress of the Federation of Immunological Societies of Asia Oceania March 2012/14-17 New Delhi, India. **(Poster Presentatoin).**
- 9) m.Heidari, m.Farahpour, s.Talebi, h.Edalatkhah, **A.H Zarnani**, A.M Ardekani. Estradiol-Induced differential GnRH gene expression in mouse uterus. **27th annual meeting of ESHRE, Stockholm. Sweden (Poster Presentation).**
- 10) M. Mahmoudi, F. Siassi, M. J. Mahmoudi, F. Shokri, M. Eshraghian, **A.H Zarnani**, N. Rezaei, A. Saboor-Yaraghi, In vitro Effect of oxLDL and PHA on Lymphocyte Proliferation/Cytotoxicity and Interleukin-2 Production in Patients with Atherosclerosis. **AMERICAN ACADEMY OF ALLERGY, ASTHMA & IMMUNOLOGY, 2011 San Francisco. (Poster Presentatoin).**
- 11) Khanmohammadi. M., Kazemnejad. S., Darzi. S., Khanjani. S., **zarnani. A.**, Akhondi. MM. Expression profiling and differentiation potential of menstrual derived stem cells compared with stem cells derived from human marrow. 27th Annual Meeting of the European Society of Human Reproduction & Embryology July 2011 3-6 Stockholm, Sweden. **(Poster Presentatoin).**

- 12) M.Khanmohammadi, S.kazemnejad, S. darzi, S. Khanjani, **A.H Zarnani**, M.M Akhondi. Express ion profiling and differentiation potential of menstrual blood derived stem cells compared with stem cells derived from human bone marrow. 27th Annual Meeting of the European Society of Human Reproduction & Embryology (July 2011 3-6 (Stockholm, Sweden. **(Poster Presentatoin)**).
- 13) **Zarnani A.H**, Torabi-Rahvar M, Bozorgmehr M. Potentiation of Anti-Tumor Dendritic Cell-based Vaccines by Harnessing The Helper Effect Of Carrier Proteins. Österreichische Gesellschaft für Allergologie und Immunologie, Austria, 2011 **(Oral Presentation)**.
- 14) Zarei S., Farhad Khosravi F.,Akbarzadeh Pasha Z.,Reihani-Sabet F.,Savadi Shiraz E.,Mohammadzadeh A.,Abedi ZH.,Khoram khorshid HR.,**zarnani AH**.,Tavangar B.,Ahmadvand N.,Jeddi Tehrani M. FREQUENCIES OF METHYLENETETRAHYDROFOLATE REDUCTASE, PLASMINOGEN ACTIVATOR INHIBITOR-1, FACTOR V LEIDEN POLYMORPHISMS IN 600 CASES OF IRANIAN WOMEN WITH RECURRENT PREGNANCY LOSS. 4th International Congress of Molecular Medicine (June 2011 27-30 (Istanbul, Turkey **(Poster Presentation)**)
- 15) Zarei S., Jeddi-Tehrani M., Torabi R., Mohammadzadeh A., Arefi S., Keramatipour M., Zeraati H., **zarnani AH**., Akhondi MM., Mahmoudian J., Mahmoudi M. ANALYSIS OF PLASMINOGEN ACTIVATOR INHIBITOR-1, INTEGRIN BETA 3, BETA FIBRINOGEN AND METHYLENETETRAHYDROFOLATE REDUCTASE POLYMORPHISMS IN IRANIAN WOMEN WITH RECURRENT PREGNANCY LOSS. 4th International Congress of Molecular Medicine (June 2011 27-30 (Istanbul, Turkey **(Poster Presentation)**)
- 16) Somaieh Kazemnejad, Mohammad Mehdi Akhondi, **Amir Hassan Zarnani**, Masoud Soleimani, Saeideh Darzi, Manijeh Khanmohammadi. Effect Of Lithium Chloride On β -Catenin Expression, ProlifeRation And Osteogenic Differentiation Of Human Menstrual Blood Derived Stem Cell. Tissue Engineering & Regenerative Medicine International Society, 15-17 September 2010, Sheraton On The Park, Sydney Australia**(Oral Presentation)**
- 17) Saideh Darzi, Somaieh Kazemneiad, Mahmood Jeddi-Tehranir, Kobra Entezamit. Zahra Vahedian, Mohammad Mehdi Akhondi & **Amir Hasan Zamani**. Remarkable OSTEOGENIC DIFFERENTIATION OF HUMAN MENSTRUAL BLOOD DERIVED STEM CELLS IN PRESENCE OF HUMAN PLATELET RELEASATE. Tissue Engineering & Regenerative Medicine International Society, 15-17 September 2010, Sheraton On The Park, Sydney Australia**(Oral Presentation)**
- 18) Somaieh Kazemnejad, Mohammad Mehdi Akhondi, **Amir Hassan Zarnani**, Masoud Soleimani, Saeideh Darzi, Manijeh Khanmohammadi. Effect Of Lithium Chloride On

β -Catenin Expression, Proliferation And Osteogenic Differentiation Of Human Menstrual Blood Derived Stem Cell. Tissue Engineering & Regenerative Medicine International Society, 15-17 September 2010, Sheraton On The Park, Sydney Australia(**Poster Presentation**)

- 19) Saideh Darzi, Somaieh Kazemnejad, Mahmood Jeddi-Tehrani, Kobra Entezami, Zahra Vahedian, Mohammad Mehdi Akhondi & **Amir Hasan Zamani**. Remarkable OSTEOGENIC DIFFERENTIATION OF HUMAN MENSTRUAL BLOOD DERIVED STEM CELLS IN PRESENCE OF HUMAN PLATELET RELEASESATE. Tissue Engineering & Regenerative Medicine International Society, 15-17 September 2010, Sheraton On The Park, Sydney Australia(**Poster Presentation**)
- 20) Somaieh Kazemnejad, Mohammad Mehdi Akhondi, Masoud Soleimani, **Amir Hassan Zarnani**, Fatemeh MohammadPoor, Mahnaz Heidari, Sheida Salehkhoh. CHONDROGENIC DIFFERENTIATION OF MENSTRUAL BLOOD DERIVED STEM CELLS ON A NANOFIBROUS SCAFFOLD. Tissue Engineering & Regenerative Medicine International Society, 15-17 September 2010, Sheraton On The Park, Sydney Australia(**Oral Presentation**)
- 21) M. Salavati, M.S. Poormasjedi Meibod, M. Jeddi-Tehrani, **A.H. Zarnani**, M. Vojgani, H. Rabbani, M. M. Akhondi, A. R. Mahmoudi, R. Ghods. The establishment of a sandwich ELISA based on a homemade polyclonal antibody for earliest detection of pregnancy associated glycoprotein. 14th International Congress Of Immunology Kobe, Japan, AUGUST 2010 (**Poster Presentation**)
- 22) S. Rezaei, **A. H. Zarnani**, N. Amirmozzafari, H. Rabbani, M. Mosallaei, L. Katoozian, N. Rashidi. Cell Lines of diverse origin have differential gene expression profile of Toll like receptor families. 14th International Congress Of Immunology Kobe, Japan, AUGUST 2010 (**Poster Presentation**)
- 23) M. S. Poormasjedi Meibod, M. Salavati, M. Jeddi-Tehrani, **A. H. Zarnani**, M. Vojgani, H. Rabbani, M. M. Akhondi, A. R. Mahmoudi, R. Ghods. Production of Polyclonal antibodies against a Pregnancy Associated Glycoprotein's peptide: application for affinity Purification and Characterization of protein from Iranian Holstein cattle placental and blood samples. 14th International Congress Of Immunology Kobe, Japan, AUGUST 2010 (**Poster Presentation**)
- 24) E. Torkabadi, M. Jeddi-Tehrani, **A. H. Zarnani**, G. E. Kazemi Sefat, J. Ghasemi, M. M. Akhondi. Indoleamin 2,3-dioxygenase (IDO) is expressed at feto-placental unit throughout mouse gestation: An immunohistochemical Study. 14th International Congress Of Immunology Kobe, Japan, AUGUST 2010 (**Poster Presentation**)
- 25) S. Darzi, S. Kazemnejad, **A. H. Zarnani**, M. Jeddi-Tehrani, K. Entezami, M. Akhondi, M. Torabi Rahvar. Differentiation capacity Of menstrual blood stromal stem cells towards Osteocytes. 14th International Congress Of Immunology Kobe, Japan, AUGUST 2010 (**Poster Presentation**)

- 26) S. Nikoo, **A. H. Zarnani**, M. Ebtekar, M. Jeddi-Tehrani, M. bozorgmehr, Z. Vahedian. Menstrual blood-derived stromal stem cells: potential application for cell therapy. 14th International Congress Of Immunology Kobe, Japan, AUGUST 2010 (**Poster Presentation**)
- 27) M. Mahmoudi, M. J. Mahmoudi, F. Siasi, F. Shokri, M. R. Eshraghian, **A. H. Zarnani**, N. Rezaei, A. Saboor-Yaraghi. Effect Of Vitamin A Supplementation on reducing cytotoxic effect of oxLDL in Patients with atherosclerosis. 14th International Congress Of Immunology Kobe, Japan, AUGUST 2010 (**Poster Presentation**)
- 28) S. Shojaeian, **A. H. Zarnani**, M. Jeddi-Tehrani, A. A. Allameh, E. Torkabadi. Quantum Dot nanoparticles: Promising results for early detection of ovarian cancer. 14th International Congress Of Immunology Kobe, Japan, AUGUST 2010 (**Poster Presentation**)
- 29) M. Torabi Rahvar, **A. H. Zarnani**, H. Rabbani, E. Torkabadi, N. Mojtabavi, R. Hadavi, S. Darzi. Establishment of a novel murine cell Line expressing human Her2/neu: An appropriate model for human breast cancer. 14th International Congress Of Immunology Kobe, Japan, AUGUST 2010 (**Poster Presentation**)
- 30) M. Karami Golbaghi, N. Mojtabavi, **A. H. Zarnani**, A. Salekmoghadam, A. Sadeghipoor. Investigation of changes in allergic mice after injection of cancerous cell line. 14th International Congress Of Immunology Kobe, Japan, AUGUST 2010 (**Poster Presentation**)
- 31) Farzadtabar m., Talebi s., Edalatkhak H., Eini L., **Zarnani AH.**, Razzaghi Kashani F., Ardekani AM. The role of estradiol in regulation of GnRH receptor gene expression in mouse endometrial tissue, 16th national and first international congress of Iranian society for reproductive medicine., 3-5 Mar 2010, Shiraz, Iran (**Oral presentation**)
- 32) Hedayat Z, Mohammadzade V, Javadi H, Sadeghi MR, Akhondi MM, Sadeghitabar A, **Zarnani AH**, (IR), Higher frequency of anti-thyroid antibodies in patients with recurrent spontaneous abortion may stem from impaired vitamin D3 metabolism, 14th world congress gynecological endocrinology, 4-7 Mar 2010, Italy (Oral presentation)
- 33) **A.H. Zarnani**, J. Shojaeian, M. Jeddi-Tehrani, A. Kalantari, S. Nikoo, M. Bozorgmehr, Mutual helper effect in dendritic cell based vaccines, A new strategy for simultaneous immunotherapy against tumors and infectious diseases, 9th international congress on new trends in immunosuppression & immunotherapy, 4-6 2010, Geneva, Switzerland (**Poster presentation**)
- 34) M.M. Eftekharian, **A.H. Zarnani**, S.M. Moazzeni, in vivo effects of vitamin D3 on dendritic cells, 9th international congress on new trends in immunosuppression & immunotherapy, 4-6 2010, Geneva, Switzerland (**Poster presentation**)
- 35) A Moravejt, **A. H. Zarnani**, M Jeddi-Tehrani, M. Shekarabi, M Shahbazi. ASSESSMENT OF THYROGLOBULIN GENE EXPRESSION IN REPRODUCTIVE ORGANS OF BALB/C FEMALE MICE, The 3rd ASIA

PACIFIC CONGRESS ON CONTROVERSIES IN OBSTETRICS GYNECOLOGY & INFERTILITY BEIJING CHINA, 12-15 NOVEMBER 2009 (**Poster Presentation**)

- 36) S. Nikoo, M. Ebtekar, M. Jeddi-Tehrani, M.Tavakoli, Z. Vahedian, M.A. Akhondi, **A.H. Zarnani**. Menstrual blood-derived stromal stem cells: potential application for cell therapy, 8th international congress on obstetrics and gynecology, 5-9, 2009, Tehran, Iran (**Oral presentation**)
- 37) S. Darzi, S. Kazemnejad, M. Jeddi-Tehrani, K. Entezami, Z. Vahedian, M.A. Akhondi², **A.H. Zarnani**, Osteogenesis differentiation of menstrual blood stromal stem cells, 8th international congress on obstetrics and gynecology, 5-9, 2009, Tehran, Iran (Oral presentation)
- 38) M. sahbazi, M. Jeddi Tehrani, A. salek Moghaddam, A. Kalantari, J. Ghasemi, S. Rezania, A. Moravvej, Gh. Kazemi sefat, M.A. akhondi, **A.H. Zarnani**, Profiling of murine vitamin D3 receptor in reproductive organs during different stages of estrus cycle and pregnancy. 6th European congress of reproductive immunology, Moscow, Russia, June 30-July 3, 2008 (Oral presentation)
- 39) J.Shojaeian, **A.H. Zarnani**, S.M. Moazzeni. The effect of pregnant mouse serum on antigen presentation and cytokine induction by dendritic cells. Scandinavian Society for Immunology 37th Annual Meeting Turuku, Finland, June 6-9, 2007 (Poster presentation)
- 40) **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(poster presentation)
- 41) M. Jeddi-Tehrani, N. Abbasi, **A.H Zarnani**, P. Dokouhaki, J. Ghesemi, M. Heidari, M., Akhondi; Expression profile of Indoleamine 2,3 - Dioxygenase in endometrium of cycling mice, 13th International Congress of Immunology, Rio de Janeiro, Brazil, Aug 21-25, 2007(oral presentation)
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Awards:

- 1) Selected researcher in basic science in the 18th Razi Research Festival of Medical Sciences, 2012
- 2) Selected as the distinguished researcher by the Iran mystery of science, research and technology, 2009
- 3) Royan international research award, Best research project in female fertility field. 2007, dedicated to my supervisor, Prof. Moazzeni
- 4) Selected as first rank Ph.D student in basic sciences by the 12th Razi Research Festival of Medical Sciences, 2007
- 5) Selected as distinguished doctor of medical laboratory sciences by Iranian council of medicine. 2005
- 6) FOCIS award, 12th international congress of immunology, Montreal, Canada, 18-23 July 2004
- 7) ICI award, 12th international congress of immunology, Montreal, Canada, 18-23 July 2004
- 8) Winner of the 10th Iranian student year book award, 2003