

Hodjattallah Rabbani

Personal Information	Nationality: Iranian		
	Date of Birth: Feb 12, 1960		
	Place of Birth: Tehran, Iran		
	Personal Number:		
Education	1980 - 1984	University of Shahid Beheshty	Tehran
	B. Sc		
	• Laboratory Sciences		
	1985 - 1988	Medical science University of Tehran	Tehran
	M. Sc		
	• Medical Microbiology		
Professional experience	1990 - 1997	Karolinska Institute, Dept. of Biosciences at NOVU Sweden	
	Ph.D		
	• Molecular Immunology		
	1997 - 1999	Karolinska Institute, Dept. of Biosciences at NOVU Huddinge	
	Researcher		
	1999 -	Karolinska Hospital, Cancer Center karolin: Stockholm	
Teaching experiences	1988-1990-	Medical science University of Tehran	
	As a teacher for medical and paramedical students:		
	Hematology course, 20 hours theory and 20 hours practical teaching		
	Bacteriology course, 20 hours theory and 20 hours practical teaching		
	Bioinformatics Course for teachers in biology	1996	10 hours
	Dept. of Biosciences at NOVUM		
Seminar series, basic immunology dental school Huddinge Hospital	1998	6 hours	
Seminar series, immunology Stockholm university	1998	2 hours	

Course: Biotherapy of human malignant disease (nr: 1213) 2000 4 hours
Cancer center Karolinska

Course: Neurotransmitters and their receptors-molecular biological techniques

Course no: 1490 NOVUM, Hudinge 15 and 19 Oct 2001 3 hours

Organizing Seminar in cDNA Microarray (Affymetrix GeneChip) (Educational)

Cancer center Karolinska March 12, 2001 1.5 Hours

From Tumor Immunology to Immune and Gene Therapy of Cancer

Cancer center Karolinska Course #1594 October 29, 2002 4.0 Hours

Invited seminar, Dept. Hematology, Huddinge Hospital, 2003 2 hours

Course: Neurotransmitters and their receptors-molecular biological techniques

Course no: 1490, October 20-24, 2003 NOVUM, Huddinge 3 hours

Course No: 1784 CCK, KS 2004 28 hours

Organized course: As course organizer and lecturer

From gene to protein (KI Forskarutbildningskurs, 1784)

Feb. 2-Feb. 13, 2004, two weeks, two points

Nov. 1-Nov. 10, 2004, two weeks, two points

Supervising students

Malin Johansson	1991
Parinaz kadhodayan	1994
Jelve Nejaty	1994
Annika pontén	1995
Malahat mousavy	1996
Roberto Danova	1997
Johan Lengqvist	2000
Amir-Osman Abdalla	2003
Mahyar Ostadkaram poo	2005
Hasan Asgariyan	2005
Narjes Tavosi	2005
Neyaz Oliyazadeh	2008
Sheiyda Hemmati	2008
Fatemeh Rahimi	2008
Zahra Tahmasebi fard	2009
Sepideh Ghiyamkazemi	2009
Mehdi Zandemami	2010
Omid Zarei	2010
Ensyeh Poorsani	2010
Felora Forozesh	2010
Hedyeh Alizadeh	2010
Simin Rezaniya	2010
Mohammad Reza Gheraati	2010
Eva Mikaelsson	2010
Fatemeh Ghaemimanesh	2011
Tohid Kazemi	2011
Monireh Torabi Rahvar	2011
Amir Hossein Danesh Manesh	2011
Mahdi Shabani	2012

Awards received

Diploma as number one in introducing a cancer vaccine strategy together with Prof. Håkan Mellstedt and Anders Österborg (whole group) Venture Cup 99/00, Stockholm, Sweden

Other activities: Responsible for establishing and maintenance of the following core facilities at CancerCenter Karolinska
1-ELISA system
2-ELISPOT system
3- Real-Time PCR
4- Establishing the Affymetrix GeneChip Array system (CCK, KS)

Project: (Director)

- 1- Medium scale production of the protective antigens of Bordetella Pertussis (acellular pertussis vaccine components) and assessment of their immunogenicity and protectivity in human model.
- 2- Production monoclonal antibody against stem cell markers
- 3- Study on the effect of monoclonal antibodies against Pep27 and Pep28 peptides of Her2 molecule on tumor cells of Her2+ breast cancer patients
- 4- Production of a chimeric (mouse-human) anti-Her2 antibody with the ability apoptosis induction in Her2-positive cancer cells.
- 5- Production of new generation of anti cancer vaccines, a national project
- 6- Receptor tyrosine kinase Ror1 as a target for therapeutics in glioblastoma multiforme (GBM)
- 7- Transferring GFP gene to mouse sperm
- 8- Production of polyclonal antibody against the MG192 protein of Mycoplasma genitalium in order to design Immunofluorescence detection method for Mycoplasma genitalium in urine samples
- 9- Cloning and expression and purification of scFv from an anti human plasminogen
- 10- Preparation and characterizations of anticancer drug-loaded PLGA nanoparticles for breast tumor cell targeting by anti-HER2 monoclonal antibody
- 11- Opticin gene expression and the importance of its product as a tumor associated antigen for use in cancer Immunotherapy
- 12- Production of therapeutic anti Her-2 monoclonal antibody
- 13- Investigation of the apoptotic and antiproliferative effects of anti-tyrosin kinase ROR1 antibody in combination with IL-21 and vitamin A on leukemic B-cells of chronic lymphocytic leukemia
- 14- Tissue freezing bank establishment
- 15- The effect of new anti-Her2 monoclonal antibody on Her2+ breast cancer cells

- 16-** Investigation of structure and function of receptor tyrosine kinase Ror-1 and its role in the etiology of malignancies
- 17-** Production of Interferon β , 1b in the milk of transgenic goat
- 18-** Production of activated prothrombin in the milk of transgenic goat
- 19-** Toxological analysis, in vivo cytotoxic efficacy (animal studies) of anti-Her2 murine monoclonal antibody clone H9 and phase I and II clinical trials
- 20-** Chimerization of murine anti-Ror1 antibody and analysis of its cytotoxic efficacy in murine tumor model
- 21-** Semi-industrial production and clinical assessment of human recombinant coagulating Factor VII expressed in mammalian cells
- 22-** Production of canin polyclonal antibody against human, mouse, sheep and rabbit
- 23-** Peptide-Based monoclonal antibodies for detection of Mycobacterium tuberculosis
- 24-** Production of knockout mouse with targeted deletion of the Rag1 and Rag2 genes
- 25-** Purging of Cancer Cells From Spermatogonial Stem Cell Culture For Safety Assessment of Autologouse Transplantation of These Cells For Cancerous Child Fertility Preservation
- 26-** Expression profile of Receptor Tyrosine Kinas ROR1 in PBMC from patients with hematological malignancies in order to detect circulating tumor cells, diagnostic implications
- 27-** Fibromodulin, PRELP and Opticin, three novel diagnostic markers in patients with chronic lymphocytic leukemia(CLL)
- 28-** Production of new generation of anti cancer vaccines, a national project
- 29-** Investigation of structure and function of receptor tyrosine kinase Ror-1 in B-cell chronic lymphocytic leukemia (B-CLL): Investigation in leucomogenesis and target-specific therapy
- 30-** Investigation of structure and function of receptor tyrosine kinase Ror-1 in B-cell chronic lymphocytic leukemia (B-CLL): Investigation in leucomogenesis and target-specific therapy
- 31-** Investigation of structure and function of receptor tyrosine kinase Ror-1 in B-cell chronic lymphocytic leukemia (B-CLL): Investigation in leucomogenesis and target-specific therapy
- 32-** Production of recombinant human single chain monoclonal antibodies (scFv) against hepatitis B surface antigen for therapeutic applications
- 33-** Production of Knockout Mouse
- 34-** Semi-industrial production and clinical assessment of human recombinant coagulating Factor VII expressed in mammalian cells
- 35-** Production of human recombinant coagulating Factor VII
- 36-** Semi-industrial production and clinical assessment of human recombinant coagulating Factor VII expressed in mammalian cells

- 37- Setting up animal models of cancer immunotherapy
- 38- Investigation of structure and function of receptor tyrosine kinase Ror-1 in B-cell chronic lymphocytic leukemia (B-CLL): Investigation in leucomogenesis and target-specific therapy

Project (collaborator)

- 1- Assessment of immunogenicity and reactogenicity of DTP vaccine in Iranian children
- 2- Production of monoclonal antibody against TGF Beta1 Receptor2
- 3- Prevalence study of sexually transmitted infections in pregnant women in Tehran 2007
- 4- Conjugation of monoclonal, Polyclonal and F(ab)₂ fragment of Anti mouse Immunoglobulins to fluorescence substances: phycoerythrin and Cy5
- 5- Frequency of Copy Number Polymorphism (CNP) in a specific area of genome in Sertoli Cell Only syndrome (SCO)
- 6- Production of transgenic and chimeric mice
- 7- Established of therapeutic monoclonal antibody technology in Iran; phase1: Lab scale production of anti Her-2 therapeutic monoclonal antibody
- 8- Analysis of vitamin D3 metabolism and its immunomodulatory effects in women with recurrent spontaneous abortion (RSA)
- 9- Comparison of protamin deficiency in normozoospermic and Oligoasthenoteratozoospermic Infertile Men Attended to Fatemeh Zahra Babol and Avesina Infertility Clinic
- 10- Targeted immunotherapy by immunotoxin and monoclonal antibody against human Fc receptor homologue 1, 2 and 4 (FcRL) in B-cell malignancies
- 11- A study of legal and ethical aspects of therapeutic use of stem cell
- 12- Isolation and Purification of Pregnancy Associated Glycoprotein and Monoclonal Antibody production as one of the most important pregnancy detection factors in Dairy Cattle
- 13- Functional evaluation of menstrual blood stromal stem cells from endometriosis patients in inducing regularity T cells and the effect of Dioxin as an environmental toxin on this phenomenon
- 14- Effect of lipopolysaccharide (LPS) and lipoteichoic acid (LTA) on proliferation of some cancerous cell lines
- 15- National project on Production of therapeutic monoclonal antibodies in Iran
- 16- Produce monoclonal antibodies and polyclonal against specific markers and transplantation of human stem cell spermatogonia for spermatogenesis in the mouse mode nude azoospermia

- 17- Production of anti Her2 monoclonal antibodies capable of inducing apoptosis in Her2 positive cells
- 18- Comparison of phenotypic characteristics and differentiation potential of human menstrual blood derived stem cells with bone marrow derived mesenchymal stem cells
- 19- GREM1 gene expression in cumulus granulose cells a predictor of successful outcome in IVF/ART
- 20- An epidemiological survey on prevalence of Chlamydia trachomatis infection in woman attending OB&GYN clinics in Hedayat hospital by PCR on urine sample
- 21- Prevalence of infection with group B Streptococcus (GBS) and Lactobacillus species in pregnant women at delivery
- 22-** Production of human recombinant coagulating Factor VII
- 23- A Survey on the prevalence of Mycoplasma genitalium and Chlamydiae trachomatis infection in symptomatic and asymptomatic men referring to urology clinic of Labafynejad hospital
- 24- 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
- 25-** Study of thermodynamics and solvent dielectric effects on folding and unfolding of Listeria monocytogenes InlB using QM/MM simulation and experimental methods
- 26-** Production and characterization of polyclonal antibodies against an actin peptide
- 27-** Establishment of three-dimensional matrigel cell culture (in breast cancer research) and use of this system for phenotypical reversion of MCF-7 breast cancer cell lines towards normal and the molecular demonstration of this reversion
- 28-** Investigation of CD200 and CD200 receptor expression on leukemic cells from patients with acute myeloid leukemia (AML) and evaluation of their effects on regulatory T cell differentiation in these patients
- 29-** Production and characterization of polyclonal & monoclonal antibodies against The Toxoplasma gondii major surface antigen(SAG1) peptide
- 30- 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
- 31-** Production of chimeric (human- mouse) monoclonal antibody against TNF- α
- 32-** Setting up animal models of cancer immunotherapy
- 33-** Human Antithrombin III(AT-III) production in the milk of transgenic goat

- 34- Generation of human monoclonal antibodies specific for Clostridium Tetani neurotoxin for substitution of the classical polyclonal therapeutic antibodies
- 35- Production of chimeric anti HBs monoclonal antibodies for prophylaxis of HBV infection
- 36- Synthesis of anti-HER2 immunoliposomes containing 1-Methyl tryptophan and Doxorubicin for breast cancer immunotherapy: Phase1; in vitro experiments
- 37- Study of the interaction between the HER2 receptor activation and Beta catenin, APC tumor suppressor protein and End-binding protein1 in gastric cancer tissue and cell lines
- 38- Characterization and functional studies of monoclonal antibody against MG-192 antigen in order to inhibit the mycoplasma genitalium infection in mouse
- 39- A molecular survey on infections etiology of cervical discharge in Iranian women attending to OB&GYN clinics
- 40- National project on Production of therapeutic monoclonal antibodies in Iran
- 41- National project on Production of therapeutic monoclonal antibodies in Iran
- 42- National project on Production of therapeutic monoclonal antibodies in Iran
- 43- Specific immunotherapy of B cell malignancies
- 44- Production of transgenic and chimeric mice
- 45- Analysis of vitamin D3 metabolism and its immunomodulatory effects in women with recurrent spontaneous abortion (RSA)
- 46- Analysis of vitamin D3 metabolism and its immunomodulatory effects in women with recurrent spontaneous abortion (RSA)
- 47- Medium scale production of the protective antigens of Bordetella Pertussis (acellular pertussis vaccine components) and assessment of their immunogenicity and protectivity in human and animal model
- 48- Generation of human monoclonal antibodies specific for Clostridium Tetani neurotoxin for substitution of the classical polyclonal therapeutic antibodies
- 49- Production of therapeutic human monoclonal antibody for prophylaxis and control of hepatitis B infection
- 50- Production of recombinant human single chain monoclonal antibodies (scFv) against hepatitis B surface antigen for therapeutic applications
- 51- 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

Abstracts:

- 1- Tahmasebi Fard Z. Jeedi- Tehrani M. Bayat A.A. Rabbani H. Parivar M.K. study of opticin expression in human cancer cell lines. 21-28-2002. Poster
- 2- Gharagozlou S. **Rabbani H.** Shokri F. Molecular analysis of the heavy chain variable region genes of human hybridoma clones specific for coagulating factor VIII. 12th International Congress of Immunology and the 4th Annual Conference of FOCIS. Montreal, Quebec, Canada. 18- 23.2004.
- 3- Ostadkarampour M. Shokri F. Akhondi M.M. Dokouhaki P. Ghasemi J. Basiri A. Gooran s. Jeedi- Tehrani M. **Rabbani H.** Expression of ROR1 as an orphan receptor for diagnosis of renal cancer . The 9th Iranian Congress of Biochemistry & the 2nd International Congress of Biochemistry and Molecular Biology. shiraz, Iran. 29/10/2007 . Poster
- 4- Chamani Tabriz L. Jeedi- Tehrani M. Zeraati H. Asgari S. Tarahomi M. **Rabbani H.** molecular survey of Chlamydia Trachomatis infection in 15-42 years old married women. 7th International Congress on Obstetrics and Gynecology. Iran, Tehran. 09-13-2007. Oral
- 5- Chamani Tabriz L. Asadi S. Zeraati H. Meidani M. Allami A. Asgari S. Sadri Ardakani H. Rabbani H. **Rabbani H.** Jeedi- Tehrani M. Noyan Ashraf M.A. A molecular survey on genitourinary Chlamydia Trachomatis infection in men. 16th Iranian Congress on Infectious Diseases and Tropical Medicine. . Iran, Tehran. 15-19-2007 . Oral
- 6- Meidani M. Chamani Tabriz L. Zeraati H. Razin B. Jamali B. Gachkar L. Asgari S. **Rabbani H.** Ostadkarampour . prevalence of urogenital infection with Chlamydia Trachomatis in asymptomatic men from Tehran, Iran. 16th Iranian Congress on Infectious Diseases and Tropical Medicine. 15-19-2007. Poster
- 7- Rahimi F. Chamani Tabriz L. Zeraati H. **Rabbani H.** Raygani M. A Molecular survey on prevalence of Chlamydia trachomatis infection in pregnant woman attending OB&GY clinics of Tehran by PCR-RFLP . The 17th Iranian Congress on Infectious Diseases and Tropical Medicine. Iran, Tehran. 20-24-2007. Poster
- 8- Savadi Shirazi E. Sadeghi M.R. Bahmani M. Edalat khah H. **Rabbani H.** Akhondi M.M. Hodjat M. Quantification of protamines 1, 2 and transition protein 2 transcript contents in human spermatozoa and their relation with sperm morphology 15th Congress of Iranian Society for Reproductive Medicine. Iran, Tehran. 18-20- 2007. Oral

- 9- Daneshmanesh A. Mikaelsson E. Jeddi- Tehrani M. Bayat A.A. Ghods R. Ostadkarampour M. Akhondi M.M. Lagercrantz S. Larsson C. Osterborg A. Shokri F. Mellstedt H. **Rabbani H.** B Chronic lymphocytic leukemia cells express the orphan receptor tyrosine kinase ROR-1. 12th Congress of the European Hematology Association. 7-10-2007. Oral
- 10- Asgarian Omran H. Shaabani M. Shahrestani T. Saraf Nejad A. Khoshnoodi J. Vosoogh P. Faranoosh M. Sharifian R.A. Jeddi- Tehrani M. **Rabbani H.** Shokri F. Immunophenotypic subtyping of leukemic cells from Iranian patients with acute lymphoblastic leukemia: Association to disease outcome. Iran J Immunol. 2007.4(1):15-25.
- 11- Hojjat-Farsangi M. Jeddi- Tehrani M. Sharifian R.A. Razavi S.M. Shamsian khoramabadi A. **Rabbani H.** Shokri F. Immunophenotypic characterization of the leukemic B-cells in Iranian patients with chronic lymphocytic leukemia: Association between CD38 expression and disease progression. 13th International Congress of Immunology. Rio de Janeiro, Brazil. 21- 25- 2007. Poster
- 12- - Shaabani M. Asgarian Omran H. Khoshnoodi J. Vosoogh P. Faranoosh M. Jeddi- Tehrani M. **Rabbani H.** Shokri F. Investigation of WT1 gene expression as a reliable tool for monitoring of minimal residual disease in acute lymphoblastic leukemia. 13th International Congress of Immunology. Rio de Janeiro, Brazil. 21- 25- 2007
- 13- Fatemi F. Chamani Tabriz L. Pakzad P. Zeraati H. **Rabbani H.** relevance of infection with group B Streptococcus (GBS) and Lactobacillus species in pregnant women at delivery room. The 17th Iranian Congress on Infectious Diseases and Tropical Medicine. Iran, Tehran. 20-24-2008. Oral
- 14- Fatemi F. Chamani Tabriz L. Pakzad P. Zeraati H. **Rabbani H.** Comparative molecular and culture-based diagnosis of vaginal colonization by group B streptococcus in pregnant women during labor. 15th Congress of Iranian Society for Reproductive Medicine. Iran, Tehran. 18- 20-2009. Poster
- 15- Fatemi F. Chamani Tabriz L. Pakzad P. Zeraati H. **Rabbani H.** Colonization rate of vaginal Lactobacillus species in pregnant women during labor. 15th Congress of Iranian Society for Reproductive Medicine. Iran, Tehran. 18-20-2009. Poster
- 16- Raygani M. Sadeghi M.R. Yaghmaei F. **Rabbani H.** Akhondi M.M. Lakpour N. Hodjat M. Rezaie G. Frequency of single nucleotide polymorphism of methylenetetrahydrofolate reductase (MTHFR) gene in oligoasthenoteratozoospermic (OAT) and normozoospermic men. Nanjing, China-10-13-2009- Poster

- 17- Savadi Shirazi E. Sadeghi M.R. Talebi S. Edalat khah H. **Rabbani H.** Akhondi M.M. Asgharpour L. Beyk B. The relationship between the mRNA levels of spermiogenesis specific genes (PRM1, PRM2 & TNP2) and normal morphology of mature sperm. The proceedings of the Third Asia-Pacific Forum on Andrology (3APFA) Nanjing, China. 10-13-2009. Poster
- 18- Rezania S. Zarnani A.H. Amirmozaffari N. **Rabbani H.** Mosallaei M. Katouzian L. Rashidi N. Cell lines of divers origin have differential gene expression profile of Toll like receptor families. 14th International Congress of Immunology. Kobe, Japan. 22-27-2010.
- 19- Torabi M. Zarnani A.H. **Rabbani H.** Mirzadegan (Torkabadi) E. Mojtavavi - Hadavi R. Darzi S. 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. 22-27-2010
- 20- Salavati M. Poormasjedi Meibod M.S. Jeddi- Tehrani M. Zarnani A.H. Vojgani M. **Rabbani H.** Akhondi M.M. Mahmoodi S.A.R. Ghods R. 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. 22-27-2010
- 21- Poormasjedi Meibod M.S. Salavati M. Jeddi- Tehrani M. Zarnani A.H. Vojgani M. **Rabbani H.** Akhondi M.M. Mahmoodi S.A.R. Ghods R. 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. 22-27-2010
- 22- Mikaelsson E. Jeddi- Tehrani M. Osterborg A. Shokri F. **Rabbani H.** Mellstedt H. Small Leucine Rich Proteoglycans Novel Tumor Markers In Chronic Lymphocytic Leukemia. 52 ASH ANNUAL MEETING AND EXPOSITION. ORLANDO. 04-07-2010. Oral
- 23- Hojjat-Farsangi M. Daneshmanesh A. Jeddi- Tehrani M. Osterborg A. Shokri F. Mellstedt H. **Rabbani H.** T cell From CLL Patients Recognize Spontaneously Peptids Derived of The preceptor Tyrosine Kinase Ror1. 52 ASH ANNUAL MEETING AND EXPOSITION. ORLANDO. 04-07-2010. Poster
- 24- **Rabbani H.** Daneshmanesh A. Hojjat-Farsangi M. Jeddi- Tehrani M. Akhondi M.M. Osterborg A. Shokri F. Mellstedt H. Ror1 Targeting Monoclonal Antibodies Apoptosis of Chronic Lemphocytic Leukemia Cells-A Potential Novel Therapeutic Approach. 52 ASH ANNUAL MEETING AND EXPOSITION. ORLANDO. 04-07-2010. Oral

- 25- Zarei S. **Rabbani H.** Zarnani A.H. Khorram Khorshid H.R. Jeddi- Tehrani M. prediction and analysis of the tertiary structure of human sperm protein reactive with anti-sperm antibody . 9th International Congress on Obstetrics and Gynecology. Tehran. 08-11-2011. Oral
- 26- Mellstedt H. Hojjat-Farsangi M. mansouri m. Osterborg A. **Rabbani H.** ROR1 Isoforms Are Constitutively Phosphorylated in Chronic Lymphocytic Leukemia (CLL) - a Survival Factor for CLL Cells. 53rd ASH annual meeting and exposition. san diego, america. 10-13-2011. Poster
- 27- Amini N. Naghivishteh M. khanjani - Torabi F. Zarei O. Hadavi R. **Rabbani H.** Jeddi- Tehrani M. Peptide- Based monoclonal antibody production against β -actin protein. Molecular Immunology & Immunogenetics Congress. Antalya, Turkey. 27-29-2012. Poster
- 28- Naghivishteh M. **Rabbani H.** Zarnani A.H. Zarei O. Amini N. Bayat A.A. Jeddi- Tehrani M. Production of polyclonal antibody against SAGI (p30) Protein of Toxoplasma gorulii . 11th International Congress of Immunology & Allergy. Tehran, Iran. 26-29-2012. Oral
- 29- Babae T.shaban sh. Zarnani A.H. Jeddi- Tehrani M. **Rabbani H.** Anti Sortilin Antibody induces Apoptosis in ovarian cancer cell lines. 11th International Congress of Immunology & Allergy. Tehran, Iran. 26-29-2012. Poster
- 30- Ghalamfarsa Gh. Khoshnoodi J.Sabour Yaraghi A.A. Tahmasebi R.**Rabbani H.** Jeddi- Tehrani M. Shokri F. Differential effects of vitamin A on TLR9- Induced proliferation of Normal and leukemic B-Cells from CLL patients. 11th International Congress of Immunology & Allergy. Tehran, Iran. 26-29-2012. Poster

Papers published in scientific journals

- [1] Olsson PG, **Rabbani H.** Hammarstrom L, Smith CI. Novel human immunoglobulin heavy chain constant region gene deletion haplotypes characterized by pulsed-field electrophoresis. Clinical and experimental immunology. 1993 Oct;94(1):84-90.
- [2] **Rabbani H.** Bottaro A, Carbonara AO, Brusco A, Cariota U, Olsson PG, Smith CI, Hammarstrom L. The influence of gene duplications in the human immunoglobulin heavy chain constant locus on serum levels of immunoglobulin. Immunodeficiency. 1993;4(1-4):237-41.
- [3] **Rabbani H.** de Boer M, Ahlin A, Sundin U, Elinder G, Hammarstrom L, Palmblad J, Smith CI, Roos D. A 40-base-pair duplication in the gp91-phox gene leading to X-linked chronic granulomatous

disease. *European journal of haematology*. 1993 Oct;51(4):218-22.

[4] Smith CI, Islam KB, Vorechovsky I, Olerup O, Wallin E, **Rabbani H**, Baskin B, Hammarstrom L. X-linked agammaglobulinemia and other immunoglobulin deficiencies. *Immunological reviews*. 1994 Apr;138:159-83.

[5] Ahlin A, De Boer M, Roos D, Leusen J, Smith CI, Sundin U, **Rabbani H**, Palmblad J, Elinder G. Prevalence, genetics and clinical presentation of chronic granulomatous disease in Sweden. *Acta Paediatr*. 1995 Dec;84(12):1386-94.

[6] Islam KB, **Rabbani H**, Larsson C, Sanders R, Smith CI. Molecular cloning, characterization, and chromosomal localization of a human lymphoid tyrosine kinase related to murine Blk. *J Immunol*. 1995 Feb 1;154(3):1265-72.

[7] **Rabbani H**, Kondo N, Smith CI, Hammarstrom L. The influence of gene deletions and duplications within the IGHC locus on serum immunoglobulin subclass levels. *Clinical immunology and immunopathology*. 1995 Sep;76(3 Pt 2):S214-8.

[8] Truedsson L, Baskin B, Pan Q, **Rabbani H**, Vorechovsky I, Smith CI, Hammarstrom L. Genetics of IgA deficiency. *Apmis*. 1995 Dec;103(12):833-42.

[9] **Rabbani H**, Pan Q, Kondo N, Smith CI, Hammarstrom L. Duplications and deletions of the human IGHC locus: evolutionary implications. *Immunogenetics*. 1996;45(2):136-41.

[10] Brown WR, **Rabbani H**, Butler JE, Hammarstrom L. Characterization of the bovine C alpha gene. *Immunology*. 1997 May;91(1):1-6.

[11] Mousavi M, **Rabbani H**, Hammarstrom L. Characterization of the bovine epsilon gene. *Immunology*. 1997 Nov;92(3):369-73.

[12] Pan Q, **Rabbani H**, Mills FC, Severinson E, Hammarstrom L. Allotype-associated variation in the human gamma3 switch region as a basis for differences in IgG3 production. *J Immunol*. 1997 Jun 15;158(12):5849-59.

[13] **Rabbani H**, Brown WR, Butler JE, Hammarstrom L. Polymorphism of the IGHG3 gene in cattle. *Immunogenetics*. 1997;46(4):326-31.

[14] Luo L, Lu FM, Hart S, Feroni L, **Rabbani H**, Hammarstrom L, Yuille MR, Catovsky D, Webster AD, Vorechovsky I. Ataxia-telangiectasia and T-cell leukemias: no evidence for somatic ATM mutation in sporadic T-ALL or for hypermethylation of the ATM-NPAT/E14 bidirectional promoter in T-PLL. *Cancer research*. 1998 Jun 1;58(11):2293-7.

- [15] Mousavi M, **Rabbani H**, Pilstrom L, Hammarstrom L. Characterization of the gene for the membrane and secretory form of the IgM heavy-chain constant region gene (C mu) of the cow (*Bos taurus*). *Immunology*. 1998 Apr;93(4):581-8.
- [16] Pan Q, **Rabbani H**, Hammarstrom L. Characterization of human gamma 4 switch region polymorphisms suggests a meiotic recombinational hot spot within the Ig locus: influence of S region length on IgG4 production. *J Immunol*. 1998 Oct 1;161(7):3520-6.
- [17] Rezvany MR, Jeddi-Tehrani M, **Rabbani H**, Lewin N, Avila-Carino J, Osterborg A, Wigzell H, Mellstedt H. Autologous T lymphocytes may specifically recognize leukaemic B cells in patients with chronic lymphocytic leukaemia. *British journal of haematology*. 2000 Nov;111(2):608-17.
- [18] Zhao Y, **Rabbani H**, Shimizu A, Hammarstrom L. Mapping of the chicken immunoglobulin heavy-chain constant region gene locus reveals an inverted alpha gene upstream of a condensed epsilon gene. *Immunology*. 2000 Nov;101(3):348-53.
- [19] Brenden N, **Rabbani H**, Abedi-Valugerdi M. Analysis of mercury-induced immune activation in nonobese diabetic (NOD) mice. *Clinical and experimental immunology*. 2001 Aug;125(2):202-10.
- [20] Rezvany MR, Jeddi-Tehrani M, Biberfeld P, Soderlund J, Mellstedt H, Osterborg A, **Rabbani H**. Dendritic cells in patients with non-progressive B-chronic lymphocytic leukaemia have a normal functional capability but abnormal cytokine pattern. *British journal of haematology*. 2001 Nov;115(2):263-71.
- [21] Islam TC, Lindvall J, Wennborg A, Branden LJ, **Rabbani H**, Smith CI. Expression profiling in transformed human B cells: influence of Btk mutations and comparison to B cell lymphomas using filter and oligonucleotide arrays. *European journal of immunology*. 2002 Apr;32(4):982-93.
- [22] Malmberg KJ, Levitsky V, Norell H, de Matos CT, Carlsten M, Schedvins K, **Rabbani H**, Moretta A, Soderstrom K, Levitskaya J, Kiessling R. IFN-gamma protects short-term ovarian carcinoma cell lines from CTL lysis via a CD94/NKG2A-dependent mechanism. *The Journal of clinical investigation*. 2002 Nov;110(10):1515-23.
- [23] Mellin H, Dahlgren L, Munck-Wikland E, Lindholm J, **Rabbani H**, Kalantari M, Dalianis T. Human papillomavirus type 16 is episomal and a high viral load may be correlated to better prognosis in tonsillar cancer. *International journal of cancer*. 2002 Nov 10;102(2):152-8.
- [24] Roether S, **Rabbani H**, Mellstedt H, Abedi-Valugerdi M. Spontaneous downregulation of antibody/autoantibody synthesis in susceptible mice upon chronic exposure to mercuric chloride is

not owing to a general immunosuppression. Scandinavian journal of immunology. 2002 May;55(5):493-502.

[25] Zhao Y, Kacs Kovics I, Pan Q, Liberles DA, Geli J, Davis SK, **Rabbani H**, Hammarstrom L. Artiodactyl IgD: the missing link. J Immunol. 2002 Oct 15;169(8):4408-16.

[26] Abdalla AO, Kiaii S, Hansson L, Rossmann ED, Jeddi-Tehrani M, Shokri F, Osterborg A, Mellstedt H, **Rabbani H**. Kinetics of cytokine gene expression in human CD4+ and CD8+ T-lymphocyte subsets using quantitative real-time PCR. Scandinavian journal of immunology. 2003 Dec;58(6):601-6.

[27] Gharagozlou S, Ghods R, Bahrami ZS, Roohi A, Jeddi-Tehrani M, Conti-Fine BM, Sharifian RA, **Rabbani H**, Shokri F. Characterization of human hybridoma clones isolated from hemophilia patients with specificity for different domains of coagulating factor VIII. Human antibodies. 2003;12(3):67-76.

[28] Hansson L, **Rabbani H**, Fagerberg J, Osterborg A, Mellstedt H. T-cell epitopes within the complementarity-determining and framework regions of the tumor-derived immunoglobulin heavy chain in multiple myeloma. Blood. 2003 Jun 15;101(12):4930-6.

[29] Kokhaei P, Rezvany MR, Virving L, Choudhury A, **Rabbani H**, Osterborg A, Mellstedt H. Dendritic cells loaded with apoptotic tumour cells induce a stronger T-cell response than dendritic cell-tumour hybrids in B-CLL. Leukemia. 2003 May;17(5):894-9.

[30] Ullenhag GJ, Frodin JE, Mosolits S, Kiaii S, Hassan M, Bonnet MC, Moingeon P, Mellstedt H, **Rabbani H**. Immunization of colorectal carcinoma patients with a recombinant canarypox virus expressing the tumor antigen Ep-CAM/KSA (ALVAC-KSA) and granulocyte macrophage colony-stimulating factor induced a tumor-specific cellular immune response. Clin Cancer Res. 2003 Jul;9(7):2447-56.

[31] Zhao Y, Kacs Kovics I, **Rabbani H**, Hammarstrom L. Physical mapping of the bovine immunoglobulin heavy chain constant region gene locus. The Journal of biological chemistry. 2003 Sep 12;278(37):35024-32.

[32] Mozaffari F, Hansson L, Kiaii S, Ju X, Rossmann ED, **Rabbani H**, Mellstedt H, Osterborg A. Signalling molecules and cytokine production in T cells of multiple myeloma-increased abnormalities with advancing stage. British journal of haematology. 2004 Feb;124(3):315-24.

[33] Asgarian H, Shabani M, Vosoogh P, Sharifian RA, Gharagozlou S, Khoshnoodi J, Shokri F,

Shahrestani T, Kordmahin M, Sarrafnejad A, JeddiTehrani M, **Rabbani H**, Shokri F. Over-expression of Wilm's Tumor Gene 1 (WT1) in Iranian Patients with Acute Myeloblastic Leukemia. *iji*. 2005;2(4):182-90.

[34] Chromek M, Stankowska D, Dadfar E, Kaca W, **Rabbani H**, Brauner A. Interleukin-8 response in cells from the human urinary tract induced by lipopolysaccharides of *Proteus mirabilis* O3 and O18. *The Journal of urology*. 2005 Apr;173(4):1381-4.

[35] Gharagozlou S, Kardar GA, **Rabbani H**, Shokri F. Molecular analysis of the heavy chain variable region genes of human hybridoma clones specific for coagulation factor VIII. *Thrombosis and haemostasis*. 2005 Dec;94(6):1131-7.

[36] Hansson M, Djerbi M, **Rabbani H**, Mellstedt H, Gharibdoost F, Hassan M, Depierre JW, Abedi-Valugardi M. Exposure to mercuric chloride during the induction phase and after the onset of collagen-induced arthritis enhances immune/autoimmune responses and exacerbates the disease in DBA/1 mice. *Immunology*. 2005 Mar;114(3):428-37.

[37] Mikaelsson E, Danesh-Manesh AH, Luppert A, Jeddi-Tehrani M, Rezvany MR, Sharifian RA, Safaie R, Roohi A, Osterborg A, Shokri F, Mellstedt H, **Rabbani H**. Fibromodulin, an extracellular matrix protein: characterization of its unique gene and protein expression in B-cell chronic lymphocytic leukemia and mantle cell lymphoma. *Blood*. 2005 Jun 15;105(12):4828-35.

[38] Chamani Tabriz L, Jeddi-Tehran M, Mosavi-Jarrahi A, Zeraati H, Ghasemi J, Asgari s, **Rabbani H**, Mamani M. The prevalence of *Chlamydia trachomatis* infection by molecular analysis of urine samples in women attending OB & GYN clinics in Tehran *Medical Journal of Reproduction and Infertility*. 2006;7(3).

[39] Idali F, Wiken M, Wahlstrom J, Mellstedt H, Eklund A, **Rabbani H**, Grunewald J. Reduced Th1 response in the lungs of HLA-DRB1*0301 patients with pulmonary sarcoidosis. *Eur Respir J*. 2006 Mar;27(3):451-9.

[40] Rezvany MR, Tehrani MJ, Karlsson C, Lundin J, **Rabbani H**, Osterborg A, Mellstedt H. Reconstitution of the T-cell repertoire following treatment with alemtuzumab (anti-CD52 monoclonal antibody) in patients with B-cell chronic lymphocytic leukaemia. *British journal of haematology*. 2006 Nov;135(4):475-85.

[41] Abdalla AO, Hansson L, Eriksson I, Nasman-Glaser B, Rossmann ED, **Rabbani H**, Mellstedt H, Osterborg A. Idiotypic protein vaccination in combination with adjuvant cytokines in patients with

multiple myeloma--evaluation of T-cell responses by different read-out systems. *Haematologica*. 2007 Jan;92(1):110-4.

[42] Asgarian Omran H, Shabani M, Shahrestani T, Sarafnejad A, Khoshnoodi J, Vossough P, Faranoush M, Sharifian RA, Jeddi-Tehrani M, **Rabbani H**, Shokri F. Immunophenotypic subtyping of leukemic cells from Iranian patients with acute lymphoblastic leukaemia: association to disease outcome. *Iran J Immunol*. 2007 Mar;4(1):15-25.

[43] Farsangi MH, Jeddi-Tehrani M, Sharifian RA, Razavi SM, Khoshnoodi J, **Rabbani H**, Shokri F. Analysis of the immunoglobulin heavy chain variable region gene expression in Iranian patients with chronic lymphocytic leukemia. *Leukemia & lymphoma*. 2007 Jan;48(1):109-16.

[44] Hansson L, Abdalla AO, Moshfegh A, Choudhury A, **Rabbani H**, Nilsson B, Osterborg A, Mellstedt H. Long-term idiotype vaccination combined with interleukin-12 (IL-12), or IL-12 and granulocyte macrophage colony-stimulating factor, in early-stage multiple myeloma patients. *Clin Cancer Res*. 2007 Mar 1;13(5):1503-10.

[45] Memarian A, Jeddi- Tehrani M, Vossough P, Sharifian RA, **Rabbani H**, Shokri F. Expression profile of Wnt molecules in leukemic cells from Iranian patients with acute myeloblastic leukemia. *Iran J Immunol*. 2007 Sep;4(3):145-54.

[46] Shabani M, Asgarian-Omran H, Jeddi-Tehrani M, Vossough P, Faranoush M, Sharifian RA, Toughe GR, Kordmahin M, Khoshnoodi J, Roohi A, Tavoosi N, Mellstedt H, **Rabbani H**, Shokri F. Overexpression of orphan receptor tyrosine kinase Ror1 as a putative tumor-associated antigen in Iranian patients with acute lymphoblastic leukemia. *Tumour Biol*. 2007;28(6):318-26.

[47] Asgarian Omran H, Shabani M, Vossough P, Sharifian R, Tabrizi M, Khoshnoodi J, Jeddi-Tehrani M, **Rabbani H**, Shokri F. Cross-sectional monitoring of Wilms' tumor gene 1 (WT1) expression in Iranian patients with acute lymphoblastic leukemia at diagnosis, relapse and remission. *Leukemia & lymphoma*. 2008 Feb;49(2):281-90.

[48] Daneshmanesh AH, Mikaelsson E, Jeddi-Tehrani M, Bayat AA, Ghods R, Ostadkarampour M, Akhondi M, Lagercrantz S, Larsson C, Osterborg A, Shokri F, Mellstedt H, **Rabbani H**. Ror1, a cell surface receptor tyrosine kinase is expressed in chronic lymphocytic leukemia and may serve as a putative target for therapy. *International journal of cancer*. 2008 Sep 1;123(5):1190-5.

[49] Hojjat Farsangi M, Jeddi-Tehrani M, Razavi SM, Sharifian RA, Shamsian Khoramabadi A, **Rabbani H**, Shokri F. Immunophenotypic characterization of the leukemic B-cells from Iranian

patients with chronic lymphocytic leukemia: association between CD38 expression and disease progression. *Iran J Immunol.* 2008 Mar;5(1):25-35.

[50] Hojjat-Farsangi M, Jeddi-Tehrani M, Amirzargar AA, Razavi SM, Sharifian RA, **Rabbani H**, Shokri F. Human leukocyte antigen class II allele association to disease progression in Iranian patients with chronic lymphocytic leukemia. *Human immunology.* 2008 Oct;69(10):666-74.

[51] Kazemi T, Asgarian-Omran H, Hojjat-Farsangi M, Shabani M, Memarian A, Sharifian RA, Razavi SM, Jeddi-Tehrani M, **Rabbani H**, Shokri F. Fc receptor-like 1-5 molecules are similarly expressed in progressive and indolent clinical subtypes of B-cell chronic lymphocytic leukemia. *International journal of cancer.* 2008 Nov 1;123(9):2113-9.

[52] Shabani M, Asgarian-Omran H, Vossough P, Sharifian RA, Faranoush M, Ghragozlou S, Khoshnoodi J, Roohi A, Jeddi-Tehrani M, Mellstedt H, **Rabbani H**, Shokri F. Expression profile of orphan receptor tyrosine kinase (ROR1) and Wilms' tumor gene 1 (WT1) in different subsets of B-cell acute lymphoblastic leukemia. *Leukemia & lymphoma.* 2008 Jul;49(7):1360-7.

[53] Chamani Tabriz L, JeddiTehrani M, Asgari S, zeraati H, Moeeni m, **Rabbani H**, et al. Prevalence of Chlamydia trachomatis infection in women and midwifery clinic Bardarmrajh فراوانی عفونت با کلامیدیا تراکوماتیس در زنان باردارمراجعه کننده به درمانگاه های ماما یی تهران. *Journal of Infectious Diseases and Tropical Medicine.* 2008:45-50.

[54] Barzegar Yarmohammadi L, Modarresi MH, Talebi S, Hadavi R, Ostad Karampour M, Mahmoudi AR, Akhondi MM, **Rabbani H**, Jeddi-Tehrani M. Producing Recombinant mTEX101; a Murine Testis Specific Protein. *Journal of Reproduction and Infertility.* 2009;10(3):193-9.

[55] Hemmati S, Zarnani AH, Mahmoudi AR, Sadeghi M-R, Soltanghoreae H, Akhondi MM, Tarahomi M, Jeddi-Tehrani M, **Rabbani H**. Ectopic Expression of Sortilin 1 (NTR-3) in Patients with Ovarian Carcinoma. *Avicenna Journal of Medical Biotechnology.* 2009;1(2):125-31.

[56] Hojjat-Farsangi M, Jeddi-Tehrani M, Razavi SM, Sharifian RA, Mellstedt H, Shokri F, **Rabbani H**. Immunoglobulin heavy chain variable region gene usage and mutational status of the leukemic B cells in Iranian patients with chronic lymphocytic leukemia. *Cancer science.* 2009 Sep 2;100(12):2346-53.

[57] Jeddi-Tehrani M, Abbasi N, Dokouhaki P, Ghasemi J, Rezanias S, Ostadkarampour M, **Rabbani H**, Akhondi MA, Fard ZT, Zarnani AH. Indoleamine 2,3-dioxygenase is expressed in the endometrium of cycling mice throughout the oestrous cycle. *Journal of reproductive immunology.*

2009 Jun;80(1-2):41-8.

[58] Kazemi T, Asgarian-Omran H, Memarian A, Shabani M, Sharifian RA, Vossough P, Ansari-pour B, **Rabbani H**, Shokri F. Low representation of Fc receptor-like 1-5 molecules in leukemic cells from Iranian patients with acute lymphoblastic leukemia. *Cancer Immunol Immunother*. 2009 Jun;58(6):989-96.

[59] Memarian A, Hojjat-Farsangi M, Asgarian-Omran H, Younesi V, Jeddi-Tehrani M, Sharifian RA, Khoshnoodi J, Razavi SM, **Rabbani H**, Shokri F. Variation in WNT genes expression in different subtypes of chronic lymphocytic leukemia. *Leukemia & lymphoma*. 2009 Dec;50(12):2061-70.

[60] Vahidnezhad H, Youssefian L, Jeddi-Tehrani M, Akhondi MM, **Rabbani H**, Shokri F, Tabrizi M. Modeling breast acini in tissue culture for detection of malignant phenotype reversion to non-malignant phenotype. *Iranian biomedical journal*. 2009 Oct;13(4):125-32.

[61] Zhao Y, Liu Zi, Yu S, Wen S, Hammarstrom L, **Rabbani H**. Construction of a High Efficiency PCR Products Cloning T Vector Using pGEM-5zf (+). *Avicenna Journal of Medical Biotech*. 2009;1(1):37-9.

[62] Akhondi MM, Akbarzadeh Najar R, Jeddi-Tehrani M, Sadeghi M-R, Zarnani AH, **Rabbani H**, Salehkhoush S, Eini L, Hoseinzadeh F, Heidari M. The Effect of Human Chorionic Gonadotropin Treatment on Recipient Mouse Germ Cell Proliferation Following Spermatogonial Stem Cell Transplantation of Neonatal Donor Mice. *Avicenna J Med Biotech*. 2010;2(1):23-35.

[63] Asgarian-Omran H, Forghani P, Hojjat-Farsangi M, Roohi A, Sharifian RA, Razavi SM, Jeddi-Tehrani M, **Rabbani H**, Shokri F. Expression profile of galectin-1 and galectin-3 molecules in different subtypes of chronic lymphocytic leukemia. *Cancer investigation*. 2010 Aug;28(7):717-25.

[64] Bagnara D, Kaufman MS, Calissano C, Marsilio S, Patten P, Simone R, Chum P, Yan XJ, Allen SL, Kolitz JE, Baskar S, Rader C, Mellstedt H, **Rabbani H**, Lee A, Gregersen PK, Rai KR, Chiorazzi N. A novel adoptive transfer model of chronic lymphocytic leukemia suggests a key role for T lymphocytes in the disease. *Blood*. 2010 Mar 8:1-42.

[65] Hadavi R, Zarnani AH, Ahmadvand N, Mahmoudi AR, Bayat AA, Mahmoudian J, Sadeghi M-R, Soltanghoraee H, Akhondi MM, Tarahomi M, Jeddi-Tehrani M, **Rabbani H**. Production of Monoclonal Antibody against Human Nestin. *Avicenna Journal of Medical Biotechnology*. 2010;2(2):69-77.

[66] Mahmoudian J, Jeddi-Tehrani M, **Rabbani H**, Mahmoudi AR, Akhondi MM, Zarnani AH,

Balaei Goli L, Babaei M, Ghods R. Conjugation of R-Phycoerythrin to a Polyclonal Antibody and F (ab')₂ Fragment of a Polyclonal Antibody by Two Different Methods. *Avicenna J Med Biotech.* 2010;2(2):78-91.

[67] Moravej A, Jeddi-Tehrani M, Salek-Moghaddam AR, Dokouhaki P, Ghods R, **Rabbani H**, Kazemi-Sefat GE, Shahbazi M, Zarnani AH. Evaluation of thyroglobulin expression in murine reproductive organs during pregnancy. *Am J Reprod Immunol.* 2010 Aug 1;64(2):97-103.

[68] Shabani M, Hemmati S, Hadavi R, Amirghofran Z, Jeddi-Tehrani M, **Rabbani H**, Shokri F. Optimization of Gene Transfection in Murine Myeloma Cell Lines using Different Transfection Reagents. *Avicenna J Med Biotech.* 2010;2(3):123-30.

[69] Zarnani AH, Shahbazi M, Salek-Moghaddam A, Zareie M, Tavakoli M, Ghasemi J, Rezanian S, Moravej A, Torkabadi E, **Rabbani H**, Jeddi-Tehrani M. Vitamin D(3) receptor is expressed in the endometrium of cycling mice throughout the estrous cycle. *Fertility and sterility.* 2010 May 15 ; 93 (8): 2738- 43.

[70]- Younesi V, Nikzamir H, Yousefi M, Khoshnoodi J, Arjmand M, **Rabbani H**, Shokri F. Epstein Barr virus inhibits the stimulatory effect of TLR7/8 and TLR9 agonists but not CD40 ligand in human B lymphocytes. *Microbiol Immunol.* 2010 Sep;54(9):534-41. doi: 10.1111/j.1348-0421.2010.00248.x.

[71] **Rabbani H**, Ostadkarampour M, Danesh Manesh AH, Basiri A, Jeddi-Tehrani M, Forouzesh F. Expression of ROR1 in patients with renal cancer--a potential diagnostic marker. *Iran Biomed J.* 2010 Jul;14(3):77-82.

[72] Tahmasebi z, Parivar k, **Rabbani h**, Jeddi Tehrani M, Hemati s. Analysis of gene and protein expression of opticin in human cancer cell lines.

بررسی بیان ژن پروتئین علوم پزشکی دانشگاه آزاد اسلامی 7-90:(2)2;2010 در رده های مختلف سلول های سرطانی

[73] Mahmoudi AR, Shaban E, Ghods R, Jeddi-Tehrani M, Emami S, **Rabbani H**,. Comparison of Photostability and Photobleaching Properties of FITC- and Dylight488- Conjugated Herceptin. *International Journal of Green Nanotechnology* 2011;3:264-70.

[74] Shabani M, Asgarian Omran H, Hojjat Farsangi M, Vossough P, Sharifian RA, Toughe GR, Razavi SM, Khoshnoodi G, Jeddi-Tehrani M, **Rabbani H**, Shokri F . Comparative Expression Profile of Orphan Receptor Tyrosine Kinase ROR1 in Iranian Patients with Lymphoid and Myeloid Leukemias *Medical biotechnology* 2011;3(3):119-25.

[75] Zarei O, Irajian GR, Zarnani AH, Chamani-Tabriz L, Emami S, Jeddi-Tehrani M, **Rabbani H**+

Peptide-based Polyclonal Antibody Production against P110 Protein of *Mycoplasma genitalium*. *Avicenna Journal of Medical Biotechnology* 2011;3(2):79-85.

[76]- Kazemi T, Tahmasebi F, Bayat AA, Mohajer N, Khoshnoodi J, Jeddi-Tehrani M, **Rabbani H**, Shokri F. Characterization of novel murine monoclonal antibodies directed against the extracellular domain of human HER2 tyrosine kinase receptor. *Hybridoma (Larchmt)*. 2011 Aug;30(4):347-53. doi: 10.1089/hyb.2011.0023

[77] Koopaei MN, Dinarvand R, Amini M, **Rabbani H**, Emami S, Ostad SN, Atyabi F. Docetaxel immunonanocarriers as targeted delivery systems for HER 2-positive tumor cells: preparation, characterization, and cytotoxicity studies. *Int J Nanomedicine*. 2011;6:1903-12. Epub 2011 Sep 8. PubMed PMID: 21931485; PubMed Central PMCID: PMC3173052.

[78] Du L, Peng R, Björkman A, Filipe de, Miranda N, Rosner C, Kotnis A, Berglund M, Liu C, Rosenquist R, Enblad G, Sundstrom C, Hojjat- Farsangi M, **Rabbani H**, Teixeira M, Revyr P, Durandy A, Zeng Y, Gennery A, Villartay J, Pan- hammarstron Q. Cernunnos influences human immunoglobulin class switch recombination and may be associated with B cell lymphomagenesis. *The Journal of experimental medicine* 2012:1-15.

[79] Naghi Vishteh M, Seyyed-Tabaei SJ, Haghighi A, Zarnani AH, Amini N, Zarei O, Hadavi R, **Rabbani H**, Jeddi-Tehrani M. Peptide-based polyclonal antibody production against SAG1 (P30) protein of *Toxoplasma gondii*. *Scholars Research Library* 2012;3(7):3577-582.

[80]- Daneshmanesh AH, Porwit A, Hojjat-Farsangi M, Jeddi-Tehrani M, Tamm KP, Grandér D, Lehmann S, Norin S, Shokri F, **Rabbani H**, Mellstedt H, Osterborg A. Orphan receptor tyrosine kinases ROR1 and ROR2 in hematological malignancies. *Leuk Lymphoma*. 2012 Oct 9. [Epub ahead of print]

[81]- Daneshmanesh AH, Hojjat-Farsangi M, Khan AS, Jeddi-Tehrani M, Akhondi MM, Bayat AA, Ghods R, Mahmoudi AR, Hadavi R, Österborg A, Shokri F, **Rabbani H**, Mellstedt H. Monoclonal antibodies against ROR1 induce apoptosis of chronic lymphocytic leukemia (CLL) cells. *Leukemia*. 2012 Jun;26(6):1348-55. doi: 10.1038/leu.2011.362. Epub 2012 Jan 6.

[82]- Sarial S, Asadi F, Jeddi-Tehrani M, Hadavi R, Bayat AA, Mahmoudian J, **Rabbani H**, et al. A High Affinity Monoclonal Antibody Recognizing the Light Chain of Human Coagulating Factor VII. *Hybridoma*. 2012; 31(6):443-48.

[83]- Forouzesh F, Shakeri Tabarian S, Emami S, Jeddi-Tehrani M, Hadavi R, **Rabbani H**.

Construction and Stable Expression of a Truncated Human Receptor Tyrosine Kinase Ror1 (Ror1-ECD). *Avicenna Journal of Medical Biotechnology*. 2012;4(1):41-5.

[84]- Shabani M, Hemmati A, Zandemami M, Khoshnoodi J, Jeddi-Tehrani M, **Rabbani H**, et al. Cloning, Expression and Characterization of Recombinant Human Fc Receptor Like 1, 2 and 4 Molecules. *Iranian Journal of biotechnology* 2013;11(3):182-92.

[85]- Shabani M , Hemmati A ., Zandemami M., Khoshnoodi J ., Jeddi-Tehrani M ., **Rabbani H**., Amirghofran Z ., Shokri F ., Cloning, Expression and Characterization of Recombinant Human Fc Receptor Like 1, 2 and 4 Molecules. *Iranian Journal of Biotechnology*. 2013 August; 11(3): 182-92.

[86]- Yousefi M. , Tahmasebi F ., Younesi V ., Razavi A., Khoshnoodi J ., Bayat AA., Abbasi E ., **Rabbani H**, Jeddi-Tehrani M, Shokri F. Characterization of neutralizing monoclonal antibodies directed against tetanus toxin fragment C. *Journal of Immunotoxicology*.

[87]- Daneshmanesh A H ., Porwit A ., Hojjat-Farsangi M ., Jeddi-Tehrani M ., Pokrovskaja Tamm K ., Grandér D ., Lehmann S ., Norin S . Shokri F ., **Rabbani H** ., Mellstedt H ., sterborg A . Orphan receptor tyrosine kinases ROR1 and ROR2 in hematological malignancies. *Leukemia & Lymphoma*, April 2013; 54(4): 843–850

[88]- Mikaelsson E ., sterborg A., Jeddi-Tehrani M., Kokhaei P ., Ostadkarampour M., Hadavi R., Gholamin M., Mehdi Akhondi, Shokri F., **Rabbani H**., Mellstedt H. A Proline/Arginine-Rich End Leucine-Rich Repeat Protein (PRELP) Variant Is Uniquely Expressed in Chronic Lymphocytic Leukemia Cells. *PLOS ONE*. June 2013, 8 ,6 -67601.

[89]- Amiri MM., Jeddi Tehrani M., Kazemi T., Bahadori M., Maddah M., Farsanghi MH., Khoshnoodi J., **Rabbani H**., Shokri F. Construction and characterization of a new chimeric antibody against HER2. *Immunotherapy*. 2013, 5, 703-715.

[90]- Asgarian-Omran H ., Amirzargar AA ., Arjmand M ., Eshraghian M ., Nikbin B ., Eshraghi S ., Mahdavi M ., Khoshnoodi J., Jeddi-Tehrani M ., **Rabbani H** ., Shokri F. Expression, Purification and Characterization of Three Overlapping Immunodominant Recombinant Fragments from Bordetella pertussis Filamentous Hemagglutinin. *Avicenna Journal of Medical Biotechnology*. All rights reserved. 2013, 5, 1, January-March

[91]- Ghalamfarsa G ., Jadidi-Niaragh F ., Farsangi MH ., Asgarian-Omran H ., Yousefi M ., Tahmasebi F ., Khoshnoodi J ., Razavi SM ., Saboor A., A Yaraghi O, **Rabbani H** ., Jeddi-Tehrani

M., Shokri F . Differential regulation of B-cell proliferation by IL21 in different subsets of chronic lymphocytic leukemia. *Cytokine* 62 (2013) 439–445

[92]- Hojjat-Farsangi M., Ghaemimanesh F., Daneshmanesh AH., Bayat AA, Mahmoudian J., M Jeddi-Tehrani., **Rabbani H.**, Mellstedt H. Inhibition of the Receptor Tyrosine Kinase ROR1 by Anti-ROR1 Monoclonal Antibodies and siRNA Induced. Apoptosis of Melanoma Cells. *PLOS ONE*. April 2013 , 8 -4 -61167.

[93]- Gharaati MR, Mirshahi M, **Rabbani H**, Saifi-Abolhassan M, Behmanesh M, Shamsi Poor F. Cloning and expression of a scFv from an anti human plasminogen monoclonal antibody

(همسان‌سازی و بیان. زیست‌شناسی ایران 1)26;2013 از یک آنتی‌بادی مونوکلونال ضد پلاسمینوژن انسانی).

[94]- Tahmasebi F., Kazemi T., Amiri MM., Khoshnoodi J., Mahmoudina J., Bayat AA., Jeddi- Tehrani M., **Rabbani H.**, Shokri F. In vitro assessment of the effect of anti- HER2 monoclonal antibodies on proliferation of HER2- over expressing breast cancer cell. *Immunotherapy* 2014; 6(1),1-7.

[95] - Yousefi M, Khosravi-Eghbal R, Reza Mahmoudi A, Jeddi-Tehrani M, **Rabbani H**, Shokri F. Comparative in vitro and in vivo assessment of toxin neutralization by anti-tetanus toxin monoclonal antibodies. *Hum Vaccin Immunother.*2014;10(2):344-51. doi: 10.4161/hv.26769. Epub 2013 Oct 14. PubMed PMID:24126015; PubMed Central PMCID: PMC4185888.

[96]- Ghaemimanesh F, Ahmadian G, Talebi S, Zarnani AH, Behmanesh M, Hemmati S, Hadavi R, Jeddi-Tehrani M, Farzi M, Akhondi MM, **Rabbani H**. The effect of sortilin silencing on ovarian carcinoma cells. *Avicenna J Med Biotechnol.* 2014 Jul;6(3):169-77. PubMed PMID: 25215181; PubMed Central PMCID: PMC4147104.

[97]- Amini N, Vishteh MN, Zarei O, Hadavi R, Ahmadvand N, **Rabbani H**, Jeddi-Tehrani M. Production and characterization of polyclonal antibody against a synthetic peptide from β -actin protein. *Iran J Basic Med Sci.* 2014 Jun;17(6):396-400. PubMed PMID: 25140199; PubMed Central PMCID: PMC4137948.

[98]- Shabani M, Bayat AA, Jeddi-Tehrani M, **Rabbani H**, Hojjat-Farsangi M, Ulivieri C, Amirghofran Z, Baldari CT, Shokri F. Ligation of human Fc receptor like-2 by monoclonal antibodies down-regulates B-cell receptor-mediated signalling. *Immunology.* 2014 Nov;143(3):341-53. doi: 10.1111/imm.12311. PubMed PMID:24797767; PubMed Central PMCID: PMC4212948.

[99]- Tahmasebi F, Kazemi T, Amiri MM, Khoshnoodi J, Mahmoudian J, Bayat AA, Jeddi-Tehrani M, **Rabbani H**, Shokri F. In vitro assessment of the effects of anti-HER2 monoclonal antibodies on

proliferation of HER2-overexpressing breast cancer cells. *Immunotherapy*. 2014;6(1):43-9. doi: 10.2217/imt.13.156. PubMed PMID: 24341883.

[100]- ASGARIAN-OMRAN H, AMIRZARGAR AA, ZEERLEDER S, MAHDAVI M, VAN MIERLO G, SOLATI S, **Rabbani H**, et al. Interaction of Bordetella pertussis filamentous hemagglutinin with human TLR2: identification of the TLR2-binding domain. *APMIS*. 2014.

[101]- Mikaelsson E, Osterborg A, Tahmasebi Fard Z, Mahmoudi A, Mahmoudian J, Jeddi-Tehrani M, , **Rabbani H**, et al. Opticin, a small leucine-rich proteoglycan, is uniquely expressed and translocated to the nucleus of chronic lymphocytic leukemia cells. *Hematology & Oncology*. 2014;2(1):1-10.

[102]- Golsaz Shirazi F, Mohammadi H, Amiri MM, Singethan K, Xia Y, Bayat AA, , **Rabbani H**, et al. Monoclonal antibodies to various epitopes of hepatitis B surface antigen inhibit hepatitis B virus infection. *Journal of Gastroenterology and Hepatology* 2014;29:1083-91.

[103]- Amini N, Bayat AA, Zarei O, Hadavi R, Mahmoudian J, Mahmoudi AR, **Rabbani H**, Jeddi-Tehrani M. A novel monoclonal antibody against a synthetic peptide from β -actin can react with its corresponding protein. *Protein Pept Lett*. 2015 Jan 1.[Epub ahead of print] PubMed PMID: 25552314.

[104]- Asgarian-Omran H, Amirzargar AA, Zeerleder S, Mahdavi M, van Mierlo G, Solati S, Jeddi-Tehrani M, **Rabbani H**, Aarden L, Shokri F. Interaction of Bordetella pertussis filamentous hemagglutinin with human TLR2: identification of the TLR2-binding domain. *APMIS*. 2015 Feb;123(2):156-62. doi: 10.1111/apm.12332. Epub 2014 Oct 29. PMID: 25353353

[105]- Ghaemimanesh F, Bayat AA, Babaei S, Ahmadian G, Zarnani AH, Behmanesh M, Jeddi-Tehrani M, **Rabbani H**. Production and Characterization of a Novel Monoclonal Antibody Against Human Sortilin. *Monoclon Antib Immunodiagn Immunother*. 2015 Dec;34(6):390-5. doi: 10.1089/mab.2015.0042.

PMID: 26683178

[106]- Hojjat-Farsangi M, Jeddi-Tehrani M, Daneshmanesh AH, Mozaffari F, Moshfegh A, Hansson L, Razavi SM, Sharifian RA, **Rabbani H**, Österborg A, Mellstedt H, Shokri F. Spontaneous Immunity Against the Receptor Tyrosine Kinase ROR1 in Patients with Chronic Lymphocytic Leukemia. *PLoS One*. 2015 Nov 12;10(11):e0142310. doi: 10.1371/journal.pone.0142310. eCollection 2015. PMID: 26562161