

Curriculum Vitae
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Present Title & Affiliation

Thalassemia & Hemoglobinopathy Research center, Research Institute of Health, Ahvaz
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Academic position

Assistant Professor of Hematology & Blood Banking.

Head of Laboratory Medicine Department since 2015

Deputy Director of Golestan Hospital, Ahwaz, Iran, 2016-2017

Education & Training

2010- 2014	Tarbiat Modares University, Tehran, Iran, Ph.D. Hematology & Blood banking
2007-2009	Tarbiat Modares University, Tehran, Iran, M.Sc. Hematology & Blood banking
2000-2004	Shahid Beheshty medical university, Tehran, Iran, B.Sc. Medical laboratory

Teaching experience

- ✓ Laboratory Quality control to B.Sc. student of Medical Laboratory
- ✓ Laboratory Quality control to M.Sc of Hematology
- ✓ Essential cell culture & Hematopoietic cell culture to M.Sc. student of Hematology
- ✓ Leukemia and Molecular diagnosis to M.Sc. student of Hematology

- ✓ Basic of oncology to B.Sc. of Radiation Therapy
- ✓ Basic Hematology to B.Sc. of Medical Laboratory
- ✓ Basic Hematology to Ph.D. of Microbiology
- ✓ Bone Marrow and Pripheal blood morphology
(<http://imagebank.hematology.org/search-results?q=najmaldin%20saki>)

Professional membership

- Research Center of Thalassemia & Hemoglobinopathy, Ahvaz Jundishapur University of Medical Sciences, Ahvaz , Iran, since 2010
- Molecular and Cellular Research center, Ahvaz Jundishapur University of Medical Sciences, Ahwaz, Iran, since 2010
- Iranian Pediatric Hematology & Oncology Society (IPHOS). Since 2011
- Department of Molecular Biology and Genetic Engineering, Stem Cell Technology Research Center, Tehran. 2011-2014

Member of the Editorial Board for the following medical journals

- Journal of Cancer Metastasis and Treatment (<http://www.journalonweb.com/jcmt/>).
- Annals of Bone Marrow Research (<http://www.peertechz.com/Bone-Marrow-Research/index.php>)

Reviewer of the the following medical journals

- ❖ <http://celljournal.org/>
- ❖ Turkish Journal of Hematology
- ❖ Oncology Letters (*Spandidos Publications*)
- ❖ Biomedicine & Pharmacotherapy
- ❖ Molecular and Clinical Oncology(*Spandidos Publications*)
- ❖ Future Oncology
- ❖ Molecular Medicine Reports
- ❖ Experimental and Therapeutic Medicine
- ❖ Journal of Biotechnology and Biomedical Science
- ❖ Nature Reviews Clinical Oncology
- ❖ Current Problems in Cancer
- ❖ Asian Pacific Journal of Cancer Prevention
- ❖ Frontiers in Biology
- ❖ Journal of Cellular Biochemistry
- ❖ BBA - Reviews on Cancer
- ❖ Tumor Biology
- ❖ Gene

Honors and Awards

- Outstanding Student Award of Ministry of Health and Medical Education of Iran, 2010.

Books (Persian & English)

1. Soleimani M & M.Haririan & M.Azad & H.Mousavi & Sh.Alizadeh & N.saki & M.ghorbani. Hematology & Immunohematology. Dibaj & Khosravi Pub. Tehran 2007.
2. Soleimani M & N.Saki. Hematopoietic Stem Cells. Khosravi Pub. Tehran 2008.

3. Pourfathollah AA & N.Saki & M.farshdousty & Sh.alizadeh. Basic Immunohematology. Khosravi Pub. Tehran 2008.
4. Abroun S & N.Saki & M.farshdousty & Sh.Alizadeh & N.Shiran & Jalalifar MA. Transfusion Medicine (first edition). Khosravi Pub. Tehran 2009.
5. Saki N, Emam SJ, Pedram M. Atlas of Laboratory hematology. Khosravi Pub. Tehran 2010.
6. Abroun S & N.Saki & M.farshdousty & Sh.Alizadeh & N.Shiran & Jalalifar MA. Transfusion Medicine (second edition). Khosravi Pub. Tehran 2011.
7. Soleimani M & N.Saki & Delalat B. Hematopoietic Stem Cells (Hematopoiesis). Khosravi Pub. Tehran 2011.
8. Fakher Rahim, Najmaldin Saki, Mohammad Ali Jalalifar. **HUMAN GENETIC DISEASES. Chapter 6 (The Role of Gene Mutations Detection in Defining the Spectrum of β – Thalassemia in Various Ethnic regions)**. InTech- Open Access Publisher. 2011. ISBN 978-953-307-936-3.
9. Kaviani S., Saki.N. Basic Hematology. Khosravi Pub. Tehran 2011.
10. Soleimani M, Najmaldin Saki, Jalalifar MA, mohammad ahmadvand, gholam Husain tamadon, Babashah S. Haemostasis. Khosravi Pub.2011.
11. Abroun S, Saki N, Musavi S.H, Nasir Pour O. Stem cell. Mir Mah Pub (Royan Institute). Tehran 2011.
12. Seyed Jalal Emam, Najmaldin Saki. Atlas of Hematology. Khosravi Pub. Tehran 2011.
13. Soleimani M, Shanaki M, Habibi H, Ahmadvand M, Dehghani Fard A, Saki N. Anemia and Hemoglobinopatia. Khosravi Pub. Tehran 2012. ISBN;978-600-209-050-8

Articles

- 1) Kalantari, H., Foruozaandeh, H., Khodayar, M.J., Siahpoosh, A., Saki, N., Kheradmand, P. Antioxidant and hepatoprotective effects of Capparis spinosa L. fractions and Quercetin on tert-butyl hydroperoxide- induced acute liver damage in mice(2018) Journal of Traditional and Complementary Medicine, 8 (1), pp. 120-127.
- 2) Hassani, S.N., Rezaeeyan, H., Ghodsi, A., Saki, N. Restoration of natural killer cell cytotoxicity in the suppressive tumor microenvironment: novel approaches to treat AML (2017) Journal of Hematopathology, 10 (3-4), pp. 109-116.
- 3) Behzad, M.M., Asnafi, A.A., Jaseb, K., Jalali Far, M.A., Saki, N. Expression of CD markers' in immune thrombocytopenic purpura: prognostic approaches(2017) APMIS, 125 (12), pp. 1042-1055.
- 4) Rezaeeyan, H., Jaseb, K., Alghasi, A., Asnafi, A.A., Saki, N. Association between gene polymorphisms and clinical features in idiopathic thrombocytopenic purpura patients(2017) Blood Coagulation and Fibrinolysis, 28 (8), pp. 617-622.
- 5) Ghale-sardi, O.K., JalaliFar, M.A., Khodadi, E., Ahmadzadeh, A., Saki, N. BCR/ABL analysis in myelodysplastic syndromes(2017) Comparative Clinical Pathology, pp. 1-6. Article in Press.
- 6) Khodadi, E., Asnafi, A.A., Mohammadi-Asl, J., Hosseini, S.A., Malehi, A.S., Saki, N. Evaluation of miR-21 and miR-150 expression in immune thrombocytopenic purpura pathogenesis: a case-control study(2017) Frontiers in Biology, 12 (5), pp. 361-369.

- 7) Shahrabi, S., Khodadi, E., Saba, F., Shahjahani, M., Saki, N. Sex chromosome changes in leukemia: cytogenetics and molecular aspects(2017) *Hematology*, pp. 1-9. Article in Press.
- 8) Kavianpour, M., Ketabchi, N., Saki, N. Prognostic significance of aberrant expression of CD markers in acute lymphoblastic leukemia(2017) *Memo - Magazine of European Medical Oncology*, 10 (3), pp. 164-169.
- 9) Azizidoost, S., Vijay, V., Cogle, C.R., Khodadi, E., Saki, N. The role and clinical implications of the endosteal niche and osteoblasts in regulating leukemia(2017) *Clinical and Translational Oncology*, 19 (9), pp. 1059-1066.
- 10) Jaseb, K., Ramezani, A., Far, M.A.J., Mohammadi-Asl, J., Khosravi, A., Saki, N. Association between beta globin haplotypes, HBBP1 and HMOX1 polymorphisms in relation to HbF among sickle cell anemia patients: a study in Southwest Iran(2017) *Comparative Clinical Pathology*, 26 (5), pp. 1149-1155.
- 11) Mohammadi, S., Norooznezhad, A.H., Mohammadi, A.M., Nasiri, H., Nikbakht, M., Saki, N., Vaezi, M., Alimoghaddam, K., Ghavamzadeh, A. Optimizing peripheral blood stem cells transplantation outcome through amend relapse and graft failure: A review of current literature(2017) *Experimental Hematology and Oncology*, 6 (1), art. no. 24, .
- 12) Hajizamani, S., Shahjahani, M., Shahrabi, S., Saki, N. MicroRNAs as prognostic biomarker and relapse indicator in leukemia(2017) *Clinical and Translational Oncology*, 19 (8), pp. 951-960.
- 13) Saki, N., Shirzad, R., Rahim, F., Saki Malehi, A. Estimation of diagnosis and prognosis in ET by assessment of CALR and JAK2V617F mutations and laboratory findings: a meta-analysis (2017) *Clinical and Translational Oncology*, 19 (7), pp. 874-883.
- 14) Jalilvand, M., Oloomi, M., Najafipour, R., Alizadeh, S.A., Saki, N., Rad, F.S., Shekari, M. An association study between CHEK2 gene mutations and susceptibility to breast cancer(2017) *Comparative Clinical Pathology*, 26 (4), pp. 837-845.
- 15) Jahangiri, M., Khodadi, E., Rahim, F., Saki, N., Saki Malehi, A. Decision-tree-based methods for differential diagnosis of β -thalassemia trait from iron deficiency anemia (2017) *Expert Systems*, 34 (3), art. no. e12201, .
- 16) Saeidi, S., Mohammadi-Asl, J., Far, M.A.J., Asnafi, A.A., Dehuri, F., Tavakolifar, Y., Saki, N. Is There a Relationship Between CXCR4 Gene Expression and Prognosis of Immune Thrombocytopenia in Children?(2017) *Indian Journal of Hematology and Blood Transfusion*, 33 (2), pp. 216-221.
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- 18) Kavianpur, M., Shahjahani, M., Jaseb, K., Kasar, S., Saki, N. Prognostic value and clinical significance of TCR rearrangements for MRD monitoring in ALL patients(2017) *Comparative Clinical Pathology*, 26 (2), pp. 269-276.
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- 32) Norozi, F., Shahrabi, S., Hajizamani, S., Saki, N. Regulatory role of Megakaryocytes on Hematopoietic Stem Cells Quiescence by CXCL4/PF4 in Bone Marrow Niche (2016) *Leukemia Research*, 48, pp. 107-112.
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- 34) Kavianpour, M., Ahmadzadeh, A., Shahrabi, S., Saki, N. Significance of oncogenes and tumor suppressor genes in AML prognosis (2016) *Tumor Biology*, 37 (8), pp. 10041-10052.
- 35) Ferdowsi, S., Azizidoost, S., Ghafari, N., Saki, N. Cytogenetic changes of mesenchymal stem cells in the neoplastic bone marrow niche in leukemia (2016) *Frontiers in Biology*, 11 (4), pp. 305-310.
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- 46) Shahrabi, S., Rezaeeyan, H., Ahmadzadeh, A., Shahjahani, M., Saki, N. Bone marrow blood vessels: Normal and neoplastic niche(2016) *Oncology Reviews*, 10 (2), pp. 72-77.
- 47) Seghatoleslami, M., Ketabchi, N., Ordo, A., Asl, J.M., Golchin, N., Saki, N. Coexistence of p190 BCR/ABL transcript and CALR 52-bp deletion in chronic myeloid leukemia blast crisis: A case report(2016) *Mediterranean Journal of Hematology and Infectious Diseases*, 8 (1), art. no. e2016002, pp. 1-4.
- 48) Far, M.A.J., Dehghani Fard, A., Hajizamani, S., Mossahebi-Mohammadi, M., Yaghooti, H., Saki, N. Thalidomide is more efficient than sodium butyrate in enhancing GATA-1 and EKLF gene expression in erythroid progenitors derived from HSCs with β -globin gene mutation(2016) *International Journal of Hematology-Oncology and Stem Cell Research*, 10 (1), pp. 254-258.
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- 8- Mohammad ali jalalifar, najmaldin saki, mosrafa paridar, sadegh negravi, aliasghar kiani. Prevalence of rapid plasma regain (RPR) reactivity in ahwaz healthy blood donors. The 12th asian-pacific congress of clinical biochemistry. PP 2-074. Oct 3-7 2010, Seoul, korea.
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- 25-** Ghanavati F, Jalali Far MA, Saki N, Heidari N, Ghasemi S. STUDY OF BLOOD DONOR RETENTION AMONG AHVAZ MEDICAL STUDENTS IN 2010–2011. *Vox Sanguinis* (2012) 103 (Suppl. 1), 1–271
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- 29-** Jalali Far MA, Khandehzamin Z, Saki N and Saki A, TRANSFUSION MEDICINE KNOWLEDGE AND ATTITUDES AMONG GENERAL PHYSICIAN AND RESIDENTS STUDENTS 24th Regional Congress of the International Society of Blood Transfusion In Conjunction with the 6th Malaysian National Transfusion Medicine Conference by Malaysian Blood Transfusion Society Kuala Lumpur, Malaysia, December 1-4, 2013
- 30-** N. Ketabchi, M. Jalali Far, N. Saki, J. Mohammadi Asl, A. Khosravi, M. Kavianpour, N. Golchin, S. Shirjang, ALPHA- AND BETA-GLOBIN GENE MUTATION CO-INHERITANCE: PHENOTYPE AND GENOTYPE CORRELATION, VI International Eurasian Hematology Congress / Leukemia Research 2015 Turkey.
- 31-** Farzaneh tavakoli, Kaveh Jaseb, Mohamad ali Jalalifar, Masoud Soleimani, Najmaldin Saki. EVALUATION THE EXPRESSION OF MICRO RNA-146a IN ACUTE LYMPHOBLASTIC LEUKEMIA. 2nd Biennial International Pediatric Oncology Congress in Memory of Prof. Parvaneh Vossough Tehran, May 11-13, 20160.
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Research Interests:

- Leukemia & lymphoma Molecular Diagnostics
- Bone Marrow Niche
- Metastasis and Metastatic Niche

SUPERVISION OF RESEARCH STUDENTS

- 1) Evaluation of CXCR4 and its association with disease prognosis in patients with immune thrombocytopenic purpura at shafa hospital, Ahvaz. Sajedeh Saeidi (M.Sc. of Hematology).
- 2) Evaluation of Wilms tumor gene expression in CML (BCR-ABL positive) patients. Saeideh Hajizamani (M.Sc. of Hematology).
- 3) Comparison of sirt1 and survivin gene expression in chronic myeloid leukemia (BCR-ABL-p210 positive) patients and healthy individuals. Fatemeh Salari (M.Sc. of Hematology).
- 4) Evaluation Expression of MicroRNA-146a in Acute Lymphoid Leukemia Patients in Shafa Hospital in Ahwaz. Farzaneh Tavakoli (M.Sc. of Hematology).
- 5) Prevalence of β Globin Gene haplotypes, HBBP1 and HMOX1 Genes Single Nucleotide Polymorphism and their correlation With HbF Level in sickle cell patients in Ahvaz. Abulfazl Ramezani (M.Sc. of Hematology).
- 6) Investigation of T315I polymorphism incidence in patients with CML and ALL, BCR/ABL positive referring to Shafa Hospital. Fatemeh Norozi. (M.Sc. of Hematology).
- 7) Prevalence of BCR/ABL chimeric gene in myelodysplastic syndromes among patients in Ahwaz Shafa Hospital in 2015. Omid Kiani Ghalesardi. (M.Sc. of Hematology).
- 8) Investigation of H/C/S/P single nucleotide polymorphisms (SNP) in codon R882 of DNA methyltransferase 3A (DNMT3A) gene in patients with essential thrombocythemia (ET) and polycythemia Vera (PV) referring to Shafa Hospital. Neda Ketabchi. (M.Sc. of Hematology).
- 9) Assay of W515 K /L mutations prevalence in myeloproliferative leukemia (MPL) gene among patients with myeloproliferative neoplasms referring to Shafa Hospital (2015). Maria Kavianpour. (M.Sc. of Hematology).
- 10) Evaluation of Calreticulin (CALR) gene mutation in patients that affected by Myeloproliferative neoplasms (MPNs) in Ahvaz city. Rrza Shirzad. (M.Sc. of Hematology).