Curriculum Vitae

Personal Data:

Name: **SAEID**
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Sex: Male
Date and Place of Birth: Aug. 17. 1961- Tehran, Iran
Nationality: Iranian
Marital Status: Married and one boy
Professional Address: Dept. of Hematology, School of Medical Sciences
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Langages written and spoken *: Persian , English, Japanese*

Percentage distribution of Time:

Teaching 30%, Research 35%, Clinic 30%, Administration 5%. (12 hours work in every work days)

Distribution of Days: University 3. days, Royan 3 days (12 hours work in every work days)

Present Position :

2012.10 Up to now: Associated professor in Hematology and Blood Banking Department.
School of Medical Sciences, Tarbiat Modares University, Tehran IR.Iran
2012.04 Up to now: Editor board of Scientific world journal.
2010. 05 Up to now: General Director's Deputy in Royan Stem cell Technology Company (Royan Cord Blood stem cell Bank), Tehran, IR-Iran
2008. 04. Up to now: Lab. Director of Royan Stem Cell technology company
(Royan Cord Blood Stem cell Bank) Tehran, IR-Iran
2008 Up to now: Hematology lab. Director, Medical Diagnostic clinical laboratory. Tehran, IR-Iran
2007. 11. up to now: Editor associate in Cell (Yakhteh) Medical Journal. Tehran, IR-Iran

Diplomas:

2000.4-2004.3: **Ph.D in Hematology**. Department of Immunohematology, (Myeloma Study Group), Graduate School of Medicine. Yamaguchi University, Japan.

1995.10- 1988.10: **M.Sc**. in Hematology and blood banking.
Dept. of hematology and blood bank. School of Medical Sciences. Tarbiat Modarres University (TMU). Tehran, IR.Iran

1990.10-1995.02: **B.Sc** in Biology.
Payame Nor University. Tehran. IR.IRAN

Teaching

All for postgraduate students:

- Advanced Molecular Hematology (Eight times, each time 54 hours in semester).
- Pathophisiology and hematopoietic Disorders (Seven times, each time 36 hour in semester).
- Stem Cell, Cancer and Oncogenes and stem cell transplantation (Four times, each time 56 hours in semester).
- Basic and advance Immunology (Seven times, each time 36 hours in semester).
- Stem cell biology. (Six times, 36 hour in semester).
- Cellular and molecular biology (Eight times, each time 54 hours in semester).
- Cell signaling analysis (Eight times, each time 36 hours in semester).
- Therapeutic methods in Cancer (Five times, each time 36 hours in semester).

Research Work:

Currently Doing

- HLA and auto immune disease in Iran
- The role of RANKL on differentiation of hematopoetic Stem cell to osteoclast.
- The role of nero-transmitters on activation of osteoclast.
- The roles of CD45 on effect of IL-6 signaling in biology of myeloma cell.
- In-Vitro Differentiation of induced Pluripotent Stem cell to leukocyte.
- Royan cord blood Bank and alleles frequency in Iran

Administration activity

2007.09 up to now

- Executive board examiner for MSC and PhD entrance exam in ministry of health and medical education (examiner in cellular and molecular biology subject).
- Executive board examiner for MSC and PhD entrance exam in ministry of Sciences, research and technology (examiner in cellular and molecular biology, hematology, and immunology subjects).
- Executive board member of international journal of fertility and sterility.
- Executive board member of The Cell (Yakhteh) medical Journal.
- Executive board member of education and research program in department of hematology Tarbiat Modares University.
- Executive board member of Royan Cord blood stem cell bank, transplantation committee
- Executive board member in Stem cell research center, Royan Institute. Tehran, IR-Iran

Publication:

A: Books by Persian Langages:

1- Oncogenes and Cancer
2- Atlas of Hematology
3- Cell Biology (3 volume)
4- Erythrocyte and disease
5- Transfusion Medicine (Two time published)

B: Articles

1- Houshmand M, Nakhlestani Hagh M, Soleimani M, Hamidieh AA, **Abroun S,** Nikougoftar Zarif M. MicroRNA Microarray Profiling during Megakaryocyte Differentiation of Cord Blood CD133+ Hematopoietic Stem Cells. Cell J. 2018 Jul;20(2):195-203. doi: 10.22074/cellj.2018.5021.
2- Dehghanifard A, Kaviani S, **Abroun S**, Mehdizadeh M, Saiedi S, Maali A, Ghaffari S, Azad M. Various Signaling Pathways in Multiple Myeloma Cells and Effects of Treatment on These Pathways. Clin Lymphoma Myeloma Leuk. 2018 May;18(5):311-320. doi: 10.1016/j.clml.2018.03.007.
3- Faridi N, Bathaie SZ**, Abroun S**, Farzaneh P, Karbasian H, Tamanoi F, Mohagheghi MA. Isolation and characterization of the primary epithelial breast cancer cells and the adjacent normal epithelial cells from Iranian women's breast cancer tumors. Cytotechnology. 2018 Apr;70(2):625-639. doi: 10.1007/s10616-017-0159-3.
4- Amerion M, Valojerdi MR, **Abroun S**, Totonchi M. Long term culture and differentiation of endothelial progenitor like cells from rat adipose derived stem cells. Cytotechnology. 2018 Feb;70(1):397-413. doi: 10.1007/s10616-017-0155-7
5- Foroutan T, Farhadi A, **Abroun S**, Mohammad Soltani B. Adipose Derived Stem Cells Affect miR-145 and p53 Expressions of Co-Cultured Hematopoietic Stem Cells. Cell J. 2018 Jan;19(4):654-659. doi: 10.22074/cellj.2018.4393. Epub 2017 Nov 4.
6- Mousavi SH, **Abroun S**, Soleimani M, Mowla SJ. 3-Dimensional nano-fibre scaffold for ex vivo expansion of cord blood haematopoietic stem cells. Artif Cells Nanomed Biotechnol. 2017 Jul 7:1-9. doi: 10.1080/21691401.2017.1337026. [Epub ahead of print]
7- Mansurabadi R, **Abroun S**, Hajifathali A, Asri A, Atashi A, Haghighi M. Expression of hsa-MIR-204, RUNX2, PPARγ, and BCL2 in Bone Marrow Derived Mesenchymal Stem Cells from Multiple Myeloma Patients and Normal Individuals. Cell J. 2017 Spring;19(Suppl 1):27-36.

8- Heidari N, Abroun S, Bertacchini J, Vosoughi T, Rahim F, Saki N. Significance of Inactivated Genes in Leukemia: Pathogenesis and Prognosis. Cell J. 2017 Spring;19(Suppl 1):9-26. doi: 10.22074/cellj.2017.4908
9- Mousavi SH, **Abroun S**, Zarrabi M, Ahmadipanah M. The effect of maternal and infant factors on cord blood yield. Pediatr Blood Cancer. 2017 Jul;64(7). doi: 10.1002/pbc.26381
10- Kalantari N, **Abroun S**, Soleimani M, Kaviani S, Azad M, Eskandari F, Habibi H. Effect of The Receptor Activator of Nuclear Factor κB and RANK Ligand on In Vitro Differentiation of Cord Blood CD133(+) Hematopoietic Stem Cells to Osteoclasts. Cell J. 2016;18(3):322-31.
11- Ahmadvand M, Noruzinia M, Soleimani M, **Abroun S.** Comparison of Expression Signature of Histone Deacetylases (HDACs) in Mesenchymal Stem Cells from Multiple Myeloma and Normal Donors. Asian Pac J Cancer Prev. 2016;17(7):3605-10.
12- Tamaddon G, Geramizadeh B, Karimi MH, Mowla SJ, **Abroun S**. miR-4284 and miR-4484 as Putative Biomarkers for Diffuse Large B-Cell Lymphoma. Iran J Med Sci. 2016 Jul;41(4):334-9.
13- Saki N, **Abroun S,** Soleimani M, Kavianpour M, Shahjahani M, Mohammadi-Asl J, Hajizamani S. MicroRNA Expression in β-Thalassemia and Sickle Cell Disease: A Role in The Induction of Fetal Hemoglobin. Cell J. 2016 Winter;17(4):583-92.
14- **Abroun S,** Saki N, Ahmadvand M, Asghari F, Salari F, Rahim F. STATs: An Old Story, Yet Mesmerizing. Cell J. 2015 Fall;17(3):395-411
15- Ashrafi M, Bathaie SZ, **Abroun S,** Azizian M. Effect of Crocin on Cell Cycle Regulators in N-Nitroso-N-Methylurea-Induced Breast Cancer in Rats. DNA Cell Biol. 2015 Sep 22. [Epub ahead of print].
16- Allahverdi A, **Abroun S,** Jafarian A, Soleimani M, Taghikhani M, Eskandari F. Differentiation of Human Mesenchymal Stem Cells into Insulin Producing Cells by Using A Lentiviral Vector Carrying PDX1. Cell J. 2015 Summer;17(2):231-42.
17- Saki N**, Abroun S**, Salari F, Rahim F, Shahjahani M, Javad MA. Molecular Aspects of Bone Resorption in β-Thalassemia Major. Cell J. 2015 Summer;17(2):193-200.
18- Jafarian A, Taghikhani M, **Abroun S**, Pourpak Z, Allahverdi A, Soleimani M. Generation of high-yield insulin producing cells from human bone marrow mesenchymal stem cells. Mol Biol Rep. 2014 Apr 10.
19- Mousavi SH, Abroun S, Soleimani M, Mowla SJ. Expansion of human cord blood hematopoietic stem/progenitor cells in three-dimensional Nanoscaffold coated with Fibronectin. Int J Hematol Oncol Stem Cell Res. 2015 Apr 1;9(2):72-9.
20- Jafarian A, Taghikani M, Abroun S, Allahverdi A, Lamei M, Lakpour N, Soleimani M. The Generation of Insulin Producing Cells from Human Mesenchymal Stem Cells by MiR-375 and Anti-MiR-9. PLoS One. 2015 Jun 5;10(6):e0128650.
21- Saki N, **Abroun S**, Hajizamani S, Rahim F, Shahjahani M. *Association of Chromosomal Translocation and miRNA Expression with the Pathogenesis of Multiple Myeloma*. Cell J. 2013 Jul 20;16(2). pii: CellJ.2014.16(2).1. [Epub ahead of print]

Review.

22- Ahmadvand M, Noruzinia M, Fard AD, Zohour MM, Tabatabaiefar MA, Soleimani M, Kaviani S, **Abroun S**, Beiranvand S, Saki N. *The role of epigenetics in the induction of fetal hemoglobin: a combination therapy approach.* Int J Hematol Oncol Stem Cell Res. 2014;8(1):9-14.

23- Zarrabi M, Mousavi SH, **Abroun S**, Sadeghi B. *Potential Uses for Cord Blood Mesenchymal Stem Cells*. Cell J. 2014 Winter;15(4):274-281. Review.

24- Habibi H**, Abroun S**, Hajifathali A, Soleimani M, Kaviani S, Kalantari N, Eslahchi S. *Osteogenic inhibition in multiple myeloma*. Cell J. 2013 Fall;15(3):266-71.

25- Azad M, Kaviani S, Noruzinia M, Mortazavi Y, Mobarra N, Alizadeh S, Shahjahani M, Skandari F, Ahmadi MH, Atashi A, **Abroun S**, Zonoubi Z. *Gene Expression Status and Methylation Pattern in Promoter of P15INK4b and P16INK4a in Cord Blood CD34 (+) Stem Cells*. Iran J Basic Med Sci. 2013 Jul;16(7):822-8.

26- Saki N, **Abroun S**, Soleimani M, Mortazavi Y, Kaviani S, Arefian E. *The roles of miR-146a in the differentiation of Jurkat T-lymphoblasts.* Hematology. 2014 Apr;19(3):141-7.

27- Fard AD, Kaviani S, Noruzinia M, Soleimani M, **Abroun S**, Chegeni R, Hajifathali A, Zonoubi Z, Ahmadvand M, Mohammadi MM, Saki N. *Evaluation of H3 histone methylation and colony formation in erythroid progenitors treated with thalidomide and sodium butyrate.* Lab Hematol. 2013 Mar;19(1):1-5.

28- Ashrafi M, Bathaie SZ, **Abroun S**. *High Expression of Cyclin D1 and p21 in N-Nitroso-N-Methylurea-Induced Breast Cancer in Wistar Albino Female Rats*. Cell J. 2012 Fall;14(3):193-202.

29- **Abroun S**, Saki N, Fakher R, Asghari F. *Biology and bioinformatics of myeloma cell*. Lab Hematol. 2012 Dec;18(4):30-41. Review.

30- Saki N, **Abroun S**, Farshdousti Hagh M, Asgharei F. *Neoplastic bone marrow niche: hematopoietic and mesenchymal stem cells*. Cell J. 2011 Fall;13(3):131-6.

31- Nikougoftar Zarif M, Soleimani M, Abolghasemi H, Amirizade N, **Abroun S**, Kaviani S. The *High Yield Expansion and Megakaryocytic Differentiation of Human Umbilical Cord Blood CD133(+) Cells*. Cell J. 2011 Fall;13(3):173-8.

32- Kouhkan F, Alizadeh S, Kaviani S, Soleimani M, Pourfathollah AA, Amirizadeh N, **Abroun S,** Noruzinia M, Mohamadi S. *miR-155 Down Regulation by LNA Inhibitor can Reduce Cell Growth and Proliferation in PC12 Cell Line*. Avicenna J Med Biotechnol. 2011 Apr;3(2):61-6.

33- Shamsasenjan K, Otsuyama K, **Abroun S**, Iqbal MS, Mahmoud MS, Asaoku H, Kawano MM. *IL-6-induced activation of MYC is responsible for the down-regulation of CD33 expression in CD33+ myeloma cells*. Int J Hematol. 2009 Apr;89(3):310-8.

34- **Abroun S**, Otsuyama K, Shamsasenjan K, Islam A, Amin J, Iqbal MS, Gondo T, Asaoku H, Kawano MM. *Galectin-1 supports the survival of CD45RA(-) primary myeloma cells in vitro.* Br J Haematol. 2008 Sep;142(5):754-65. doi: 10.1111/j.1365-2141.2008.07252.x.

35- Liu S, Otsuyama K, Ma Z, **Abroun S**, Shamsasenjan K, Amin J, Asaoku H, Kawano MM. *Induction of multilineage markers in human myeloma cells and their down-regulation by interleukin 6.* Int J Hematol. 2007 Jan;85(1):49-58.

36- Zheng X, **Abroun S**, Otsuyama K, Asaoku H, Kawano MM. *Heterogeneous expression of CD32 and CD32-mediated growth suppression in human myeloma cells.* Haematologica. 2006 Jul;91(7):920-8.

37- Ishikawa H, Tsuyama N, Liu S, **Abroun S**, Li FJ, Otsuyama K, Zheng X, Ma Z, Maki Y, Iqbal MS, Obata M, Kawano MM. *Accelerated proliferation of myeloma cells by interleukin-6 cooperating with fibroblast growth factor receptor 3-mediated signals*. Oncogene. 2005 Sep 15;24(41):6328-32.

38- Liu S, Ishikawa H, Li FJ, Ma Z, Otsuyama K, Asaoku H, **Abroun S**, Zheng X, Tsuyama N, Obata M, Kawano MM. *Dehydroepiandrosterone can inhibit the proliferation of myeloma cells and the interleukin-6 production of bone marrow mononuclear cells from patients with myeloma*. Cancer Res. 2005 Mar 15;65(6):2269-76.

39- Ma Z, Otsuyama K, Liu S, **Abroun S**, Ishikawa H, Tsuyama N, Obata M, Li FJ, Zheng X, Maki Y, Miyamoto K, Kawano MM. *Baicalein, a component of Scutellaria radix from Huang-Lian-Jie-Du-Tang (HLJDT), leads to suppression of proliferation and induction of apoptosis in human myeloma cells*. Blood. 2005 Apr 15;105(8):3312-8.

40- Li FJ, Tsuyama N, Ishikawa H, Obata M, **Abroun S**, Liu S, Otsuyama K, Zheng X, Ma Z, Maki Y, Kawano MM. *A rapid translocation of CD45RO but not CD45RA to lipid rafts in IL-6-induced proliferation in myeloma*. Blood. 2005 Apr 15;105(8):3295-302.

41- Tsuyama N, Ishikawa H, **Abroun S**, Liu S, Li FJ, Otsuyama K, Zheng X, Obata M, Taniguchi O, Kawano MM. *The regulatory mechanism of IL-6-dependent proliferation of human myeloma cells.* Hematology. 2003 Dec;8(6):409-11.

42- **Abroun S**, Ishikawa H, Tsuyama N, Liu S, Li FJ, Otsuyama K, Zheng X, Obata M, Kawano MM. *Receptor synergy of interleukin-6 (IL-6) and insulin-like growth factor-I in myeloma cells that highly express IL-6 receptor alpha [corrected]*. Blood. 2004 Mar 15;103(6):2291-8.

43- Ishikawa H, Tsuyama N, **Abroun S**, Liu S, Li FJ, Otsuyama K, Zheng X, Kawano MM. *Interleukin-6, CD45 and the src-kinases in myeloma cell proliferation*. Leuk Lymphoma. 2003 Sep;44(9):1477-81. Review.

44- Kawano MM, Ishikawa H, Tsuyama N, **Abroun S**, Liu S, Li FJ, Otsuyama K, Zheng X. *Growth mechanism of human myeloma cells by interleukin-6.* Int J Hematol. 2002 Aug;76 Suppl 1:329-33.

45- Ishikawa H, Tsuyama N, Mahmoud MS, Fujii R, **Abroun S**, Liu S, Li FJ, Kawano MM. *CD19 expression and growth inhibition of tumours in human multiple myeloma. Leuk Lymphoma*. 2002 Mar;43(3):613-6. Review.

46- Ishikawa H, Tsuyama N, **Abroun S**, Liu S, Li FJ, Taniguchi O, Kawano MM. *Requirements of src family kinase activity associated with CD45 for myeloma cell proliferation by interleukin-6.* Blood. 2002 Mar 15;99(6):2172-8.