

In the name of God

Curriculum Vitae



**Mohammad Sayyadi**

Ph.D. of Laboratory Hematology and Blood Banking

Arak University of Medical Sciences, Arak, Iran

## CURRICULUM VITAE

**Mohammad Sayyadi**

### **Department address:**

Department of Medical Laboratory Sciences

School of Allied Medical Sciences, Arak University of Medical Sciences, Arak, Iran

### **Education:**

❖ **Ph.D. Laboratory Hematology and blood banking (2020)**

Shahid Beheshti University of Medical Sciences, Tehran, Iran

**Thesis Project:** Expression analysis of PI3K/Akt/c-Myc axis genes in acute myeloblastic leukemia patients and investigating the effect of PI3K and c-Myc inhibition in AML cell lines

❖ **M.Sc. Laboratory Hematology and Blood banking (2015)**

High Institute for Education & Research in Transfusion Medicine, Iranian Blood Transfusion Organization (IBTO), Tehran, Iran

**Thesis Project:** The Efficacy study of flow cytometric monocyte phagocytic assay (FMPPA) in evaluation of platelet transfusions outcomes

❖ **B.Sc. Medical Laboratory Sciences (2013)**

Arak University of Medical Sciences, Arak, Iran

### **Honors and Awards:**

- ❖ Introducing as a top and talent student (2016)
- ❖ Ranked second position in the Ph.D. entrance exam (2016)
- ❖ Membership in the National Elite Foundation (2018)

## **Research Interests:**

- ❖ Leukemia
- ❖ Molecular hematology
- ❖ Cell signaling
- ❖ Hematopoietic stem cell
- ❖ Stem cell transplantation and cell therapy
- ❖ Genomics and Proteomics in hematology
- ❖ Platelets
- ❖ Immunohematology
- ❖ Blood components preparation
- ❖ Transfusion medicine and blood banking

## **Publications**

1. **Sayyadi M**, Safaroghli-Azar A, Pourbagheri-Sigaroodi A, Abolghasemi H, Anoushirvani AA, Bashash D. c-Myc Inhibition Using 10058-F4 Increased the Sensitivity of Acute Promyelocytic Leukemia Cells to Arsenic Trioxide Via Blunting PI3K/NF- $\kappa$ B Axis. *Archives of Medical Research*. 2020.
2. **Sayyadi M**, Safaroghli-Azar A, Rabiemajd S, Didehdar M, Abolghasemi H, Anoushirvani AA, et al. Contribution Value of Akt, c-Myc, CIP2A, and PP2A Genes Expression in Leukemogenesis: A Bright Perspective on the Molecular Pattern of Patients with Acute Myeloid Leukemia (AML). *International Journal of Cancer Management*.2020.13(3).
3. **Sayyadi M**, Safaroghli-Azar A, Safa M, Abolghasemi H, Momeny M, Bashash D. NF- $\kappa$ B-dependent Mechanism of Action of c-Myc Inhibitor 10058-F4: Highlighting a Promising Effect of c-Myc Inhibition in Leukemia Cells, Irrespective of p53 Status. *Iranian Journal of Pharmaceutical Research*. 2020;19(1):153-65.
4. Oghabi M, Safaroghli-Azar A, Pourbagheri-Sigaroodi A, **Sayyadi M**, Hamidpour M, Mohammadi MH, et al. Anti-proliferative effects of a small molecule inhibitor of CDK AT7519 on chronic myeloid leukemia (CML) cells through halting the transition of cells from G2/M phase of the cell cycle. *Biocell*. 2020;44(2):183.
5. Riyahi N, Safaroghli-Azar A, Sheikh-Zeineddini N, **Sayyadi M**, Bashash D. Synergistic effects of PI3K and c-Myc co-targeting in acute leukemia: shedding new light on resistance to selective PI3K- $\delta$  inhibitor CAL-101. *Cancer investigation*. 2019;37(7):311-24.
6. Bashash D, **Sayyadi M**, Safaroghli-Azar A, Sheikh-Zeineddini N, Riyahi N, Momeny M. Small molecule inhibitor of c-Myc 10058-F4 inhibits proliferation and induces apoptosis in acute leukemia cells, irrespective of PTEN status. *The international journal of biochemistry & cell biology*. 2019;108:7-16.
7. Sadeghi M, Soltani M, Etemad K, Abdollahi M, **Sayyadi M**, Barzegar M, et al. THE PREVALENCE OF ANTI HCV INFECTION AND ITS RELATED FACTORS IN PATIENTS WITH BETA-THALASSEMIA IN SHIRAZ-IRAN. *PHARMACOPHORE*. 2018;9(1):80-4.
8. Shahin F, Shaiegan M, Samie S, Bayat B, Nadali F, Ataei Z, et al. Molecular evaluation of Human Neutrophil Antigen (HNA-3) in some blood donors. *Scientific Journal of Iran Blood Transfus Organ*. 2016;13(3):176-84.

9. **Sayyadi M**, Shaiegan M, Nikouguftar M, Vaezi M, Malek-Mohammadi A, Ahmadi M, et al. Platelet compatibility assessment between AML patients and platelet donors by flow cytometry. *Scientific Journal of Iran Blood Transfus Organ*. 2016;13(1):29-37.
10. Ahmadi M, Amirizadeh N, Hantushzadeh S, Okhovat M, **Sayyadi M**, Valikhani A, et al. Fetal RHD genotyping of RhD negative women by Real-time PCR. *Scientific Journal of Iran Blood Transfus Organ*. 2016;13(1):19-28.
11. **Sayyadi M**, Shaiegan M, NIKOUGOFTAR ZM, Vaezi M, Mohammadi S. Platelet transfusion outcome and flow cytometric monocyte phagocytic assay (FMFA). 2016.
12. Ansarihadipour H, Bahadorivatankhah A, Ziraki S, **Saiadi M**. The effect of long-term exposure to oxidative stress on the structure of recombinant human coagulation factor VIII. *Arak Medical University Journal (AMUJ)*. 2013; 15(67): 1-8

## Abstracts:

- ❖ Niknam Riyahi, Negar Sheikh-Zeineddini, **Mohamad Sayyadi**, Davood Bashash. Synergistic effects of pi3k and c-myc co-targeting in acute myeloid leukemia: proposing novel therapeutic potential for AML. The 23rd Congress of the European Hematology Association (**EHA**).2018.
  
- ❖ **Mohammad Sayyadi**, Niknam Riyahi, Negar Sheikh-Zeineddini, Davood Bashash. INVESTIGATING THE EFFECT OF C-MYC PROTO-ONCOGENE INHIBITION IN ACUTE PROMYELOCYTIC LEUKEMIA. The 23rd Congress of the European Hematology Association (EHA).2018.
  
- ❖ Negar Sheikh-Zeineddini, Niknam Riyahi, **Mohammad Sayyadi**, Davood Bashash. C-MYC INHIBITION BY SMALL MOLECULE INHIBITOR 10058-F4 CAUSES APOPTOTIC CELL DEATH AND ENHANCES VINCRISTINE-INDUCED CYTOTOXICITY IN PRE-B-ACUTE LYMPHOBLASTIC LEUKEMIA CELLS. The 23rd Congress of the European Hematology Association (EHA).2018.
  
- ❖ Ziraki S, **Saiadi M**, Bahadorivatankhah A, Ansarihadipour H. Investigation of structural changes of albumin in metal oxidation system containing iron and ascorbate. 13th Annual Research Congress of Iranian Medical Sciences Students.2012
  
- ❖ **Sayyadi M**, Shaiegan M, Nikouguftar M, Vaezi M, Malek-Mohammadi A. Platelet transfusion outcome evaluation by flowcytometry. The 3rd International Congress on Transfusion Medicine.2015

## **Membership of Scientific Organizations:**

- ❖ International Society of Blood Transfusion (ISBT)
- ❖ European Hematology Association (EHA)
- ❖ International Society of Laboratory Hematology (ISLH)
- ❖ Member of Iran Young Researchers group