

Personal Resume

Personal Information

First and Last Name: Alireza Goodarzi

Employment Status: full-time contract (PhD commitment)

Educational Department: Medical Laboratory Sciences

Academic Rank: Assistant Professor

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Educational Information

Specialized or Professional Doctorate: Laboratory Hematology and Blood Banking

Thesis or Dissertation Title: Survey of the effect of platelet factor 4 (PF4) derived from platelet concentrates on the induction of apoptosis in the immortalized cell lines

Year of Graduation: 2018

Master's Degree: Laboratory Hematology and Blood Banking

Year of Graduation: 2006

Bachelor's Degree: Medical Laboratory Sciences

Year of Graduation: 2003

Associate's Degree Medical Laboratory Sciences

Year of Graduation: 2000

Executive Records:

Membership in local, provincial, national, and international associations and societies:

American Society Hematology (ASH)

☐ International Society of Blood Transfusion (ISBT)

☐ European Hematology Association (EHA)

☐ International Society of Hematology (ISH)

☐ British Society for Haematology (BSH)

☐ International Society of Laboratory Hematology (ISLH)

☐ American Association Blood Bank (AABB)

Educational Records:

☐ Ph.D. of Laboratory Hematology and Blood Bank in High Institute for Research & Education in Transfusion Medicine, Tehran, Iran. GPA: 17.75 out of 20. The title of dissertation: "Survey of platelet factor 4 (PF4) derived from platelet concentrates on the induction of apoptosis in the immortalized cell lines" under supervision of Dr. Fatemeh Yari (yarii.fatemeh@gmail.com). (2013-2018)

☐ MSc. of Laboratory Hematology and Blood Bank in Iranian Blood Transfusion Organization (IBTO), Tehran, Iran. GPA: 17.29 out of 20. The title of my thesis was "Characterization of megakaryocyte progenitor cells differentiated from umbilical cord blood CD133⁺ and CD133⁻ cells" under supervision of Dr. Maryam Kheirandish (kheira_m2001@yahoo.co.uk). (2003-2006)

☐ BSc of Medical Laboratory Sciences in Esfahan University of Medical Sciences, Esfahan, Iran. GPA: 16.59 out of 20. (2001-2003)

☐ AD of Medical Laboratory Sciences in Arak University of Medical Sciences, Arak, Iran. GPA: 17.27 out of 20. (1998-2000)

Teaching Records:

Theses:

Research Background

Research Interests:

- ☐ Hematopoietic stem cell
- ☐ Mesenchymal stem cell
- ☐ Cell banking
- ☐ Stem cell transplantation and cell therapy
- ☐ Umbilical cord blood biology
- ☐ Molecular hematology
- ☐ Leukemia
- ☐ Genomics and Proteomics in hematology
- ☐ Platelet biology and physiology
- ☐ Erythrocyte membrane
- ☐ Immunohematology
- ☐ Blood components preparation
- ☐ Transfusion medicine and blood banking

☐ Regenerative medicine

Published Books:

1. Translation to Persian: Henry's Clinical Diagnosis and Management by Laboratory Methods. Richard A. McPherson, Matthew R. Pincus. 21st edition, 2007.
2. Translation to Farsi: Prevention of Thalassaemias and other haemoglobin disorders. Thalassaemia International Federation (TIF), Vol. 1 (2003) and Vol. 2 (2004).
3. Translation to Farsi: Platelets and Megakaryocytes. Editors: Jonathan M. Gibbins and Martyn P. Mahaut-Smith, Vol. 1 and Vol. 2 (2007).
4. Authorship: question bank in Immunology, 2015 June.

Research Projects:

- ☐ Examination of pro-thrombotic potential of microvesicles derived from stored RBC units with and without leukodepletion filtration.
- ☐ Comparison of anti-bacterial effect of platelet lysate and platelet factor 4 on the prevalent bacteria of hospitals in vitro.

Participation in Conferences and Meetings

1. Kheirandish M, Goodarzi A, Pourfathollah AA, Pourpak Z, Vaeli Sh, Niroomanesh Sh, Firozi A, Khojaknejad F. Characterization of megakaryocyte progenitor cells differentiated from umbilical cord blood CD133⁺ and CD133⁻ cells. 7th Royan International Congress Reproductive Biomedicine & Stem Cell, Tehran, Iran, Yakhteh Medical Journal 2006 Vol. 8, Suppl. 1, p 46.
2. Goodarzi A, Aghaeipour M, Firozi A, Pourfathollah A, Tabatabaeian A, Vaeli S, Niroomanesh S, Ebtekar M, Kheirandish M. Characterization of megakaryocyte progenitor cells differentiated from umbilical cord blood CD133⁺ & CD133⁻ cells. XXIXth International Congress of the International Society of Blood Transfusion (ISBT), Cape Town, South Africa, Vox Sang 2006;91 (suppl 3).
3. Kheirandish M, Firozi A, Pourfathollah A, Tabatabaeian A, Niroomanesh S, Goodarzi A, Vaeli S. Ex vivo expansion of megakaryocyte progenitor cells from umbilical cord blood CD133⁺ and CD133⁻ cells. XXIXth International Congress of the International Society of Blood Transfusion (ISBT), Cape Town, South Africa, Vox Sang 2006;91 (suppl 3).
4. Kheirandish M, Firozi A, Ebtekar M, Aghaeipour M, Tabatabaeian A, Goodarzi A. Comparison of intracellular perforin in CD8⁺ cells in cord & peripheral blood in resting condition. XXIXth International Congress of the International Society of Blood Transfusion (ISBT), Cape Town, South Africa, Vox Sang 2006;91 (suppl 3).

5. Firoozi A, Ebtekar M, Kheirabdish M, Aghaiipour M, Goodarzi A, Tabatabeian A, Sadri A, Farahat V. Comparison of intracellular perforin in CD8⁺ cells in cord and peripheral blood in resting condition. 8th Congress of Immunology & Allergy, Tehran, Iran, May 2006.
6. Firoozi A, Ebtekar M, Kheirabdish M, Aghaiipour M, Kazemnejad A, Tabatabeian A, Sadri A, Goodarzi A, Farahat V. Evaluation of intracellular perforin CD56⁺ cells in cord and peripheral blood in resting condition. 8th Congress of Immunology & Allergy, Tehran, Iran, May 2006.
7. Kheirandish M, Goodarzi A, Pourpak Z, Nouroozi Agheede A, Vaeli S, Aghaeiipour M. Umbilical cord blood CD133 pos cells contain primitive cells able to produce different categories of colony forming unit megakaryocyte in vitro in comparison with CD133 neg cells. XVIIth Regional Congress of the ISBT, Europe, Madrid, Spain, Vox Sang 2007;93 (suppl 1), p 254.
8. Goodarzi A, Kheirandish M, Noroozi A, Khojaknejad F, Hajati E, Razzazian F, Farahat V. CD133⁺ cells as an alternative source for platelet production. XVIIth Regional Congress of the ISBT, Asia, Hanoi, Vietnam, Vox Sang 2007;93 (suppl 2) p 71.
9. Goodarzi A, Kheirandish M, Pourfathollah A, Pourpak Z. Characterization of megakaryocyte progenitor cells differentiated from umbilical cord Blood CD133⁺ and CD133⁻ cells. 2nd International of Student Award and Congress in Reproductive Medicine, Yazd, Iran, Iranian journal of reproductive medicine (IJRM) supplement spring 2007, p 51-52.
10. Kheirandish M, Norouzi Aghideh A, Ghorbani M, Goodarzi A, Khalaf Adeli E. The potential impact of cell separation methods on the functional capabilities of UCB derived CD133⁺ cells. Cell Journal (Yakhteh), summer 2012, vol 14, suppl 1, p 50.
11. Hosseini MS, Tafazzoli Shadpour M, Haghighipour N, Shokrgozar MA, Amjadi I, Aghdami N, Goodarzi A. The combination of shear stress and hydrostatic pressure modulate chondrogenic induction of human adipose derived mesenchymal stem cells. Cell Journal (Yakhteh), summer 2012, vol 14, suppl 1, p 78.
12. Goodarzi A, Nouroozi Aghideh A, Khalaf Adeli E, Kheirandish M. Umbilical cord blood-derived CD133⁺ stem cells generate small colony forming unit-megakaryocyte in vitro: a hypothetical reason for tardiness in platelet recovery after cord blood transplantation. Cell Journal (Yakhteh), summer 2014, vol 16, suppl 1, p 40.
13. Goodarzi A, Ebrahimi M, Mardpour S, Toufighiyan M, Sahraneshin Samani F, Ebrahimkhani S, Mohammad M, Shayan Asl N, Akhlaghi A. Platelet lysate as an alternative supplement for growth and expansion of human bone marrow mesenchymal stem cells. Cell journal (Yakhteh), summer 2014, vol 16, suppl 1, p 40-41.
14. Hosseini ES, Goodarzi A, Molavi B, Aghdami N. Randomized double blind clinical trial: utilization of umbilical cord blood-derived platelet gel for treatment of diabetic foot ulcers. Cell Journal (Yakhteh), summer 2014, vol 16, suppl 1, p 46.
15. Darvishi P, Pourfathollah A, Goodarzi A, Sharifi Z. Iranian program for reduction of alloimmunization in thalassemia patients. Vox Sanguinis 2017;112 (Suppl. 1), p 76-77.
16. Goodarzi A, Azarkeivan A. A Meta-analysis of red blood cell alloimmunization in Iranian beta-thalassemia patients. Vox Sanguinis 2017;112 (Suppl. 1), p 203.