

## Curriculum Vitae



### General Information:

**Surname:** Sadeghi  
**First name:** Behnam  
**Date of Birth:** 17 December 1968  
**Place of Birth:** Ghaemshahr, Mazandaran, Iran.  
**Sex:** Male  
**Marital Status:** Married

### Address:

Karolinska Institutet  
Department of Laboratory medicine  
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### Education and positions:

<b>2014- Present</b>	<b>Assistant Professor</b> , Cancer immunotherapy and regenerative medicine research group, Breast Cancer Research Center, Jahad Daneshgahi, Tehran, Iran.
<b>2014- Present</b>	<b>Assistant Professor</b> , Karolinska Institute, Institution for Lab. Medicine.
<b>2011- 2013</b>	<b>Postdoc</b> , Karolinska Institute, Institution for Lab. Medicine.
<b>2009- 2011</b>	<b>Postdoc</b> , Karolinska Institute, Institution for Lab. Medicine.
<b>2005- 2009</b>	<b>PhD</b> , Karolinska Institute, Institution for Lab. Medicine.
<b>1988- 1995</b>	<b>M.D.</b> Tehran University of Medical Sciences, Tehran, Iran.

### Courses & workshop (as trainee):

<b>2009</b>	<b>“Digital Photomicrography”</b> , KTH/Royal Institute of Technology and Karolinska Institute, Stockholm, Sweden.
<b>2007</b>	<b>“Techniques in Cellular Immunology”</b> , Uppsala University, Uppsala, Sweden.
<b>2007</b>	<b>“Methodologies in Molecular Medicine”</b> , Karolinska Institute, Stockholm, Sweden.
<b>2005-6</b>	<b>“Flow cytometry; Theory to Application”</b> , Beckton Dickenson Co. and Karolinska Institute, Stockholm, Sweden.
<b>2005</b>	<b>“Laboratory Animal Sciences”</b> , Karolinska Institute, Stockholm, Sweden.

- 2004** “**Bioinformatics Essentials**”, Genetic Research Center, University of Social Welfare & Rehabilitation, Tehran, Iran.
- 2002** “**Training Course on Good Clinical Practice GCP**”, TDR/WHO Clinical Co-coordinator (Geneva, Switzerland) and Research deputy of Tehran University of Medical Sciences, Tehran, Iran.
- 2002** “**Scientific Writing**”, by *Stuart Spencer*, Senior editor of the Lancet, Tehran University of Medical sciences, Tehran, Iran.
- 2001** “**Introduction to Practical and Theoretical Fundamentals of Molecular Biology Methods**”, Genetic Research Center, University of Social Welfare & Rehabilitation, Tehran, Iran.
- 2001** “**1<sup>st</sup> Human Genetic Workshop for Specialists at University Hospital**”, Health Faculty and Health Research Institute, Genetic Department, Tehran University of Medical sciences, Tehran, Iran.
- 2000** “**Application of Molecular Methods in Immunogenetics**”, National Research Center for Genetic Engineering & Biological Technology, Tehran, Iran.
- 1990-1991** **Research methodology**, department of Social Medicine, Tehran University of Medical Sciences, Tehran, Iran.

## Honors & Awards:

- Appointment as Postdoc at Pediatrics hematology-oncology, Blood and Marrow Transplant Program, University of Michigan Cancer Center, University of Michigan, Michigan, USA. 2010
- Appointment as Postdoc at Cardiac Transplantation, Departments of Pediatrics, Surgery, and Immunology, University of Alberta, Canada. 2009
- Patent of a new “herbal extract for treatment of chronic wounds”. Patent Number: EP 2 052 733 A1, Germany, 2009/04/29.
- Awarded with a travel grant by the 12<sup>th</sup> Congress of the EHA, Vienna, Austria, 2007.
- Awarded with a travel grant by the 11<sup>th</sup> Congress of the EHA, Amsterdam, Netherlands, 2006.
- Acknowledged by the chancellor of Tehran University of medical sciences and research deputy of University for diligent efforts in the field of student scientific research activity. Tehran, Iran, 1999.
- Acknowledged by the minister of health and medical education for strong performance in the field of medical students research and founding Iranian medical student research center. Tehran, Iran 1993.
- Acknowledged by the chancellor of Tehran University of medical sciences and head of cardiovascular research center for strong performance in doing research projects 1992 & 2000.

## Academic appointments and experiences:

- 2014-Present** Member of Society for Immunotherapy of Cancer, SITC
- 2013-Present** Member of International Society for Cellular Therapy, ISCT.
- 2009-Present** Member of American Society of hematology, ASH.
- 2009-2011** Member of European Hematology Association EHA

- 2004- 2005** Member of American Society of Gene Therapy
- 2000-2004:** Researcher and internal manager of rheumatology research center, Tehran University of medical sciences. Tehran, Iran.
- 2002** Executive secretary of “**9<sup>th</sup> Annual congress of rheumatology research center “Osteoporosis”**”. February 6-7, 2003, Tehran, Iran.
- 1999-2002:** Researcher and research project designer of hematology, oncology & BMT research center, Tehran University of medical sciences. Tehran, Iran.
- 1999-2002:** Member of scientific committee of hematology, oncology & BMT research center, Tehran University of medical sciences. Tehran, Iran.
- 1990-2000:** Head of public and scientific relations and researcher of cardiovascular research center, Tehran University of medical sciences. Tehran, Iran.
- 1994-1996:** Student research advisor of research undersecretary, ministry of health and medical education, Tehran, Iran.
- 1995:** Executive secretary of the national research festival for medical sciences and exhibition (Razi Festival). Tehran, Iran.
- 1994** Member of scientific committee of the first Iranian medical students’ research festival Shiraz University of medical sciences, Shiraz, Iran.
- 1994:** Member of administrative committee of the 8<sup>th</sup> annual Iranian medical students’ congress. Babol University of medical sciences, Babol, Iran.
- 1993-1994:** Vice-President and secretary of the students scientific research center (SSRC) of Tehran University of medical Sciences.
- 1989-1993:** Head of the office for coordinating medical students research activity in Tehran University of medical sciences.

## **Publications:**

### **Book and book chapter**

#### Book Chapter

- 2013** **Sadeghi B**, Ringden O. **Chapter 7**. Stem Cell- Dependent Therapies-Mesenchymal Stem Cells in Chronic Inflammatory Disorders, ISBN 978-3-11-029826-0. *2013 Walter de Gruyter GmbH, Berlin/Boston.*
- 2013** Ringden O, **Sadeghi B**. **Chapter 6**. Stem Cell- Dependent Therapies-Mesenchymal Stem Cells in Chronic Inflammatory Disorders, ISBN 978-3-11-029826-0. *2013 Walter de Gruyter GmbH, Berlin/Boston.*
- 2009** **Behnam Sadeghi**. Immunobiology of graft versus host disease, *Introduction of new mouse model of BMT and GVHD based on chemotherapy conditioning*, ISBN: **978-3-8383-2836-2**.

### **Papers**

- 2015** **Sadeghi B.**, Heshmati Y., Khoein B., Kaibe H., Uzunel M., Walfridsson J., Ringdén O. Xeno-immunosuppressive properties of human decidua stromal cells in mouse models of alloreactivity, *in vitro* and *in vivo*. *Cytotherapy*. 2015 Dec;17(12):1732-45.
- 2015** Moll G, Ignatowicz L, Catar R, Luecht C, **Sadeghi B**, Hamad O, Jungebluth P, Dragun D, Schmidtchen A, Ringden O. Different Procoagulant Activity of Therapeutic Mesenchymal Stromal Cells Derived from Bone Marrow and Placental Decidua, *Stem cell and development*, 2015 Oct 1;24 (19):2269-79

- 2015 Olle Ringden , Martin Solders , Tom Erkers , Silvia Nava , Pia Molldén , Bitá Khoein , Arjang Baygan, Wictor Aronsson-Kurttila , Salimullah Mohmand , Mats Remberger , Magnus Westgren , Jonas Mattsson , Behnam Sadeghi , Helen Kaipe. Placenta-Derived Decidual Stromal Cells for Graft-Versus-Host Disease, Hemorrhaging, and Toxicity after Allogeneic Hematopoietic Stem Cell Transplantation. *Biol Blood Marrow Tr.* 2015; 21: S149. <http://dx.doi.org/10.1016/j.bbmt.2014.11.209>
- 2015 Kaipe H, Carlson LM, Erkers T, Nava S, Molldén P, Gustafsson B, Qian H, Li X, Hashimoto T, **Sadeghi B**, Alheim M, Ringdén O. Immunogenicity of Decidual Stromal Cells in an Epidermolysis Bullosa Patient and in Allogeneic Hematopoietic Stem Cell Transplantation Patients. *Stem Cells Dev.* 2015 Jun 15;24(12):1471-82
- 2014 Olle Ringdén, Mehmet Uzunel, **Behnam Sadeghi**, Martin Solders, Michael Uhlin, Jonas Mattsson and Mats Remberger , Decreased Risk of Acute Graft-versus-Host Disease Using Reduced Intensity Conditioning Compared to Myeloablative Conditioning is Independent of Donor-Recipient T-cell Chimerism, *J Transplant Technol Res*, 2014, Volume 4, Issue 2, 1000142.
- 2014 Kaipe H, Erkers T, **Sadeghi B**, Ringdén O. Stromal cells-are they really useful for GVHD? *Bone Marrow Transplantation.* 2014 Jun, 49(6), 737-43.
- 2013 Heevy Al-Chaqmaqchi, **Behnam Sadeghi**, Manuchehr Abedi-Valugerdi, Sulaiman Al-Hashmi, Mona Fares, Raoul Kuiper, Joachim Lundahl, Moustapha Hassan, Ali Moshfegh. The role of programmed cell death ligand-1 (PD-L1/CD274) in the development of graft versus host disease. *PLoS One.* 2013 Apr 4;8(4) e60367.
- 2013 Al Hashmi S, **Sadeghi B**, Hassan Z, Abedi-Valugerdi M, Lindskog M, Hassan M. Omega-3 from fish oil augments GVHD through the enhancement of chemotherapy conditioning regimen and selective FoxP3 depletion. *Bone Marrow Transplant.* 2013 Jun;48(6):843-8.
- 2013 **B Sadeghi**, H Al-Chaqmaqchi, S Al-Hashmi, D Brodin, Z Hassan, M Abedi-Valugerdi, A Moshfegh and M Hassan. Early-phase GVHD gene expression profile in target versus non-target tissues: kidney, a possible target?, *Bone Marrow Transplantation.* 2013 Feb;48(2):284-93.
- 2012 **Ringdén O**, Sadeghi B. Is Graft-versus-Leukemia More Effective Using Reduced-Intensity Conditioning Compared with Myeloablative Conditioning? *Biol Blood Marrow Transplant.* 2012 Nov;18(11):1615-7.
- 2012 Sulaiman Al-Hashmi, Piet J. M. Boels, Fahad Zadjali, **Behnam Sadeghi**, Johan Sällström, Kjell Hulténby, Zuzana Hassan<sup>1</sup>, Anders Arner, Moustapha Hassan. Busulphan-Cyclophosphamide Cause Endothelial Injury, Remodeling of Resistance Arteries and Enhanced Expression of Endothelial Nitric Oxide Synthase. *PLoS One.* 2012;7(1):e30897.
- 2011 D'Arcy P, Brnjic S, Olofsson MH, Fryknäs M, Lindsten K, De Cesare M, Perego P, **Sadeghi B**, Hassan M, Larsson R, Linder S. Inhibition of proteasome deubiquitinating activity as a new cancer therapy. *Nature Medicine,* 2011 Nov 6; 17(12):1636-40.
- 2011 Al-Hashmi S, Hassan Z, **Sadeghi B**, Rozell B, Hassan M. Dynamics of early histopathological changes in GVHD after busulphan/cyclophosphamide conditioning regimen. *Int J Clin Exp Pathol.* 2011 Aug 15; 4(6):596-605.
- 2011 **Behnam Sadeghi**, Hans Hägglund, Mats Remberger, Suleiman Al-hashmi, Zuzana Hassan, Manuchehr Abedi-Valugerdi, Moustapha Hassan. Glucosamine activates T lymphocytes in healthy individuals and may induce GVHD/GVL in HSCT recipients. *The Open Transplantation Journal,* 2011, 5, 1-7.

- 2010 **Behnam Sadeghi**, Suleiman Al-Hashmi, Zuzana Hassan, Bjorn Rozell, Hernan Concha, Carin Lundmark, Manuchehr Abedi-Valugerdi, Moustapha Hassan. Expansion and Activation Kinetics of Immune Cells during Early Phase of GVHD in Mouse Model Based on Chemotherapy Conditioning. *Clinical and developmental Immunology*, 2010; 2010:142943. 13 pages.
- 2008 **Behnam Sadeghi**, Nasser Aghdami, Zuzana Hassan, Mehrdad Forouzanfar, Bjorn Rozell, Manuchehr Abedi-Valugerdi and Moustapha Hassan. GVHD after chemotherapy conditioning in allogeneic transplanted mice. *Bone Marrow Transplantation*, 2008, Dec 42 (12); 807–818.
- 2008 **Behnam Sadeghi**, Monika Jansson, Miriam Mints, Zuzana Hassan, Manuchehr Abedi-Valugerdi, Moustapha Hassan. The effect of administration order of busulfan and cyclophosphamide on engraftment and toxicity in HSCT mouse model. *Bone Marrow Transplantation*, 2008, 41(10); 895-904.
- 2008 M. Mints, M. Jansson, **B. Sadeghi**, M Westgren, M. Uzunel, M. Hassan, J. Palmblad. Endometrial endothelial cells are derived from donor stem cells in a bone marrow transplant recipient. *Human Reproduction* Vol.23, No.1 pp. 139–143, 2008.
- 2008 Khorram Khorshid HR, **Sadeghi B**, Heshmat R, Abdollahi M, Salari P, FarzamfarB, Madani SH. In vivo and in vitro genotoxicity studies of Semelil (ANGIPARSTM). *DARU* 2008 16 (Suppl. 1) 20-24.
- 2008 Masoompour SM, Bagheri MH, Borhani Haghghi A, Novitsky YA, **Sadeghi B**, Gharibdoust F, Larijani B, Ranjbar Omrani GM. Effect of ANGIPARSTM, a new herbal drug on diabetic foot ulcer: A phase 2 clinical study. *DARU* 2008 16 (Suppl. 1) 31-34.
- 2007 Rana Said, Mohamed Abdel-Rehim, **Behnam Sadeghi**, Suleiman Al-Hashemi, Zuzana Hassan and Moustapha Hassan. Cyclophosphamide Pharmacokinetics in Mice: A Comparison Between Retro Orbital Sampling Versus Serial Tail Vein Bleeding. *The Open Pharmacology Journal*, 2007, 1, 30-35
- 2007 **B.Sadeghi** , Z. Hassan, M. Abedi Valugerdi, M.Hassan. Mice model of graft versus host disease based on chemotherapy conditioning. Accepted as poster in 32<sup>nd</sup> Annual Meeting of the European Group for Blood and Marrow Transplantation (EBMT), 2007, Lyon, France.
- 2006 **Behnam Sadeghi**, Zuzana Hassan, Christina Nilsson, Monika Jansson, Manuchehr Abedi Valugerdi, Moustapha Hassan. Influence of the administration order of busulfan and cyclophosphamide on the engraftment and chimerism in syngeneic stem cell transplantation mouse model. Accepted as poster in 12<sup>th</sup> European Hematology Association (EHA) Annual meeting, 2006, Amsterdam, Netherlands.
- 2006 **B.Sadeghi** , Z. Hassan, M. Abedi Valugerdi, M.Hassan. Murine model of stem cell transplantation and GVHD based on chemotherapy conditioning. Accepted as poster in 12<sup>th</sup> European Hematology Association (EHA) Annual meeting, 2006, Amsterdam, Netherlands.
- 2003 F.Shiva, M.Nasiri, **B.Sadeghi** , M.Padyab. Effects of passive smoking on common respiratory symptoms in young children. Published in *Acta Paediatr* 2003, 92(12), 1394-1397.
- 2003 M.Babae, H.Gorji, **B.Sadeghi**, H.Jamaati, SH.Ghsempouri. Spirometry Analysis in welding worker. Accepted as oral presentation in the First International Congress Tuberculosis, Intensive Care and Lung Diseases December 1-5, 2003, Tehran, Iran.
- 2003 M. Babae, H.Gorji, H.Jamaati, **B.Sadeghi**, M.Bakhshayesh Karam. Effects rock wool on Function and Radilologic view of lungs in worker. Accepted as oral presentation in the First International Congress Tuberculosis, Intensive Care and Lung Diseases December 1-5, 2003, Tehran, Iran.
- 2003 **B.Sadeghi**, “What everybody should know about Osteoprosis?” This is an educational brief booklet for the patients which was published by rheumatology research center, Tehran University of Medical Sciences, Tehran, Iran

- 2001 M.Haidari, E.Javadi, **B.Sadeghi**, M.Hajilooi, J.Ghanbili. Evaluation of C-reactive protein, a sensitive marker of inflammation, as a risk for stable coronary artery disease. Published in *Clinical Biochemistry* 33 (2001) 309-315.
- 2001 B.Bahar, A.Ghavamzadeh, M.Yunesian, M.Jahani, **B.Sadeghi**, S.Gholibekian, K.Alimoghaddam, M. Irvani. AML Transplantation: Autologous V.S Allogeneic? Accepted as oral presentation in the 2001 Asia-Pacific Cancer Congress, November 18-21, 2001,PICC, Manila, Philippine.
- 2001 A.Khodabandeh, K. Alimoghaddam, Ghavamzadeh, N. Aghdami, P. Tavassoli, **B.Sadeghi**, AR. Shamshiri, B.Bahar. A strike in treatment course of acute promyelocytic leukemia: arsenic trioxide plus idarubicin. Accepted as poster presentation in the 2001 Asia-Pacific Cancer Congress, November 18-21, 2001,PICC, Manila, Philippine.
- 2000 A.Ghavamzadeh, K.Alimoghaddam, O.Behrouzan, B.Bahar, M.Jahani, **B.Sadeghi**, M.Mohyedin B.Khoein. HLA and risks of acute graft-versus-host disease in allogeneic bone marrow transplantation from an HLA-identical sibling. Published in abstract book of the 7<sup>th</sup> congress of Asia-Pacific Bone Marrow Transplantation Group (APBMTG) Bangkok, Thailand. November 5-8,2000
- 2000 A.Ghavamzadeh, B.Bahar, M.Jahani, K.Alimoghaddam, S.Gholibeikian, **B.Sadeghi**, Blood and Marrow Transplantation for the treatment of  $\beta$  Thalassemia Major Patients. Published in abstract book of the international seminar on Thalassemia up data (molecular genetics and therapeutic aspect) Tehran, Iran November 4-5 2000.
- 2000 M.Haidari, **B.Sadeghi**, M.Moghadam, Lipoprotein A (Lpa) is an independent discriminating risk factor for coronary artery disease (CAD) in Iranian women. Presented in 52<sup>nd</sup> AACC Annual Meeting & Clinical Laboratory Exposition” and published in abstract book. San Francisco, Ca, US. July 23-27 2000.
- 2000 M.Haidari, **B.Sadeghi**, M.Chinicar, A.Ahmadieh ApolipoproteinB [ApoB] is the best discriminating risk factor of coronary artery disease in Iranian patients. Presented in 52<sup>nd</sup> AACC annual meeting & clinical laboratory exposition” and published in abstract book. San Francisco, Ca, US. July 23-27 2000.
- 1996-2001 **B. Sadeghi**, Lectures on “How to design and direct a research project?” Serial training workshops and teaching lectures for trainee in the cardiovascular research center, Students Scientific Research Center, Shariati hospital nurses and Hematology, Oncology and BMT Research Center (HORC & BMT) members. Tehran, Iran.
- 1994 M.Naghavi, **B.Sadeghi**, K.Sharifzadeh, F.Mortazavi, S.Maraashi, A View of Present and Future Condition of Medical School Graduates in Iran”. *The results of this research project have won the second prize for the best research activity in “The First Iranian Medical Student’s Research Festival.* and also published in the abstract book of that meeting. It was published in Ettela-at daily newspaper (A domestic newspaper of Iran).
- 1990 **B.Sadeghi**, B.Shafeetalae, F.Karimi, B.Jalali. Clinical and immunological criteria of kidney transplantation on 100 patients, A case series study. Presented and published in the abstract book of the third Iranian medical students’ annual congress. Mashhad Univ. of Med. Sciences, Mashhad, Iran.

**Thesis:**

**MD**

Study on myocardial infarction and stroke predisposing risk factors prevalence in Tehranian people. Tehran, Iran.

**PhD**

Immunobiology of graft versus host disease in chemotherapy based conditioning- New mouse model. Karolinska Institute, Stockholm, Sweden.

**Hobbies:**

Climbing, computer, internet, football and books (historical).