

Curriculum Vitae



Personal information

Surname: Kokhaei
First name: Parviz
Date of birth: 23th July, 1968
Address: Dept. of Immunology, Semnan University of Medical Sciences, Semnan, Iran
Immune Gene Therapy Lab. 01, R8, CCK, 171-76 Solna, Karolinska
University Hospital, Stockholm, Sweden
Citizenship: Iranian
Marital status: Married
Email: parviz.kokhaei@ki.se
Tel: 0231 -3354362, Fax 0231-3354171
H-index: 12
Mean IF of publications 5

Academic positions:

1995–2000 Member of Research Council, Semnan University of Medical Sciences.
1995– Lecturer in Immunology at Semnan Medical Sciences University.
2006 Feb- Senior scientist at CancerCenterKarolinska, Stockholm, Sweden.
1999–2000 Deputy in research at School of Medicine at Semnan University of Medical Sciences.
1999–2000 Administrative Director of Central Clinical, Diagnostic Laboratory of Semnan.
2010– Associate Professor at Semnan University of Medical Sciences.
2008- Head of the Department of Immunology, Semnan University of Medical Sciences

Teaching & training

1995– Lecturer in Immunology and Practical Immunology at the Medical School for Medical, Nursing and Laboratory Sciences Students.
2010- Supervisor for 12 M.Sc. students at the Medical School for Medical, Nursing and Laboratory Sciences Students.

Educational background

1991–1995 M.Sc. in “Immunology”, Tarbiat Modarres University, Tehran, Iran.
B.Sc. in “Biology”, Shahid Beheshti. University, Tehran, Iran.
2000–2006 Ph.D. at Karolinska Institutet, Stockholm, Sweden. Title: Preclinical therapeutic vaccination strategies in malignancies with focus on B-cell chronic lymphocytic leukemia. Supervisor, Prof Håkan Mellstedt. Date of Ph.D. defense: February 10th, 2006.
2007-2013 post doc at CancerCenterKarolinska, Stockholm, Sweden

Membership in international scientific associations

European Research Initiative on CLL (ERIC)

European Leukemianet

Member of Director of Board in Iranian Society for Immunology and Allergy

Member of the New York Academy of Sciences

World Immunotherapy Council

Reviewer for journal

Leukemia research

The Scandinavian Journal of Clinical & Laboratory Investigation

The Oncologist

Medical Oncology

Cytotherapy

Koomesh

Research in Molecular Medicine

Molecular Biology Reports

Tumor Biology

Iranian Journal of Basic Medical Sciences.

Editorial Board Member/Reviewer for the journal [Austin Vaccines](#).

Grants

Doktorandtjänstmånader from Karolinska Institutet, 164 325 SEK (21 000 USD).

Technical skills

At present I am well informed and have experience in the following techniques:

Techniques in Molecular Immunology:

Immunoglobulin variable region mutation analysis

Nucleic acid electrophoresis

RNA extraction & cDNA synthesis

Bacterial clutter and transformation

Designing primer and probe for RT-PCR & Real time PCR (Taq man and Syber Green), QR-PCR

Gene cloning & DNA Sequencing and mutation analysis

Gene silencing and siRNA technology application

Protein and bacteria labeling with fluorescent dyes (FITC, ...)

Techniques in Cellular Immunology

GMP grade cell based vaccine generation

Ficoll Separation

Lymphocyte & monocyte purification by magnetic bead (MACS column)

Eukaryotic Cell culture

Leukapheresis

CliniMACS based dendritic cell generation

Counterflow elutriation

Dendritic cell generation from peripheral blood monocytes

Flow cytometry

Proliferation assay

ELISpot, ELISA, HLA blocking

Cell fusion, Cell labeling with fluorescent dye (PKH26, PKH67)

Induction of apoptosis and evaluation by flow cytometry

Cytotoxicity assay (^{51}Cr release and flow cytometry). Other techniques, which are relevant to

Immunology, Hematology, Bacteriology, and Biochemistry in a Clinical-diagnostically

Laboratory

SNP analysis

Publication list

1. Kokhaei P, Hassan.Z, The effect of burn on cell mediated immunity. (J of Semnan Univ.Med.Sci, 1:34-40, 2000 (in Persian))
2. Kokhaei P, Mahdian R, Pak F, Shahbazi Sh, Sadighi Moghadam B, Flowcytometric assessment of monocyte-derived dendritic cell efficiency for tumor cell lysate uptake in chronic lymphocytic leukemia patients (J of Semnan Univ.Med.Sci, No. 1:29-35, 2002)
3. Kokhaei P, Rezvany MR, Virving L, Choudhury A, Rabbani H, Österborg A, Mellstedt H. Dendritic cells loaded with apoptotic tumour cells induce a stronger T cell response than dendritic cell-tumour hybrids in B-CLL. (Leukemia, 17 (5):894-9, 2003)
4. Priftakis P, Bogdanovic G, Kokhaei P, Mellstedt H, Dalianis T. BK virus (BKV) quantification in urine samples of bone marrow transplanted patients is helpful for diagnosis of hemorrhagic cystitis, although wide individual variations exist. (J Clin Virol 26:71–77, 2003)
5. Kokhaei P, Choudhury A, Mahdian R, Lundin J, Moshfegh A, Österborg A, Mellstedt H. Apoptotic Tumour Cells Are Superior to Tumour Cell Lysate, and Tumour Cell RNA in Induction of Autologous T Cell Response in B- CLL. (Leukemia, 18, 1810-1815, 2004)
6. Bogdanovic G, Priftakis P, Giraud G, Kuzniar M, Ferruschaldi R, Kokhaei P, Mellstedt H, Remberger M, Ljungman P, Winiarski J, Dalianis T. A high BK virus load in urine samples combined with graft versus host disease is associated with hemorrhagic cystitis in hematopoietic stem cell transplanted patients. (J Clin Microbiol, 42 (11):5394-6, 2004)
7. Kokhaei P, Palma M, Mellstedt H, Choudhury. Advances in molecular biology diagnostic and treatment of B-cell malignancies: Biology and treatment of chronic lymphocytic leukemia. (Ann Oncol, 16 Suppl 2:ii113-ii123, 2005)
8. Pak F, Pyakural P, Kokhaei P, Ephata Kaaya A.A. Pourfathollah, Selivanova G, Biberfeld P. HHV-8/KSHV during development of Kaposi's sarcoma: evaluation by PCR and Immunohistochemistry. (J Cutan Pathol, 32(1):21-7, 2005)
9. Palma M, Kokhaei P, Lundin J, Choudhury A, Mellstedt H, Österborg A. The biology and treatment of chronic lymphocytic leukemia. (Ann Oncol, 17(suppl 10):x144-x154, 2006)
10. Kokhaei P, Adamson L, Palma M, Österborg A, Pisa P, Choudhury A, Mellstedt H. Generation of dendritic cell-based vaccine for therapy of B-CLL patients. Comparison of two methods for enriching monocytic precursors. (Cytother, 8:4:318-326, 2006)
11. Choudhury A, Mosolits S, Kokhaei P, Hansson L, Palma M, Mellstedt H. Clinical results of vaccine therapy for cancer, learning from history for improving the future. (Adv in cancer research, 147-202, 2006)
12. Mahdian R, Kokhaei P, Najjar HM, Derkow K, Choudhury A, Mellstedt H. Dendritic cells, pulsed with lysate of allogeneic tumour cells, are capable of stimulating MHC-restricted antigen-specific antitumour T cell. (Med Oncol, 23(2):273-82, 2006)

13. Kokhaei P, Adamson L, Palma M, Osterborg A, Pisa P, Choudhury A, Mellstedt H. Generation of DC-based vaccine for therapy of B-CLL patients. Comparison of two methods for enriching monocytic precursors. (*Cytother*, 8(4):318-26, 2006)
14. Kokhaei P, Abdalla AO, Hansson L, Kubbies M, Haselbeck A, Mikaelsson E, Jernberg-Wiklund H, Mellstedt H, Österborg A. Expression of erythropoietin receptor and in vitro functional effects of epoetin in B-cell malignancies. (*Clin Cancer Res*, 13:3536-3544, 2007)
15. Pak F, Mwakigonja AR, Kokhaei P, Pyakurel P, Kaaya E, Bogdanovic G, Selivanova G, Biberfeld P. Kaposi's sarcoma herpesvirus load in biopsies of cutaneous and oral KS lesions. (*Eur J Cancer*, 43:1877–1882, 2007)
16. Kokhaei P, Palma M, Hansson L, Österborg A, Mellstedt H, Choudhury A. Telomerase (hTERT 611-626) serves as a tumor antigen in B cell chronic lymphocytic leukemia (B-CLL) and generates spontaneously antileukemic, cytotoxic T cells. (*Exp Hematol*, 35(2):297-304, 2007)
17. Palma M, Adamson L, Hansson L, Kokhaei P, Rezvany R, Mellstedt H, Osterborg A, Choudhury A. Development of a dendritic cell-based vaccine for chronic lymphocytic leukemia. (*Cancer Immunol Immunother*. 57(11):1705-10, 2008)
18. Mwakigonja AR, Pyakurel, Kokhaei P, Pak F, Lema LK, Kaaya EE, Biberfeld P. Human herpesvirus-8 (HHV-8) sero-detection and HIV association in Kaposi's sarcoma (KS), non-KS tumors and non-neoplastic conditions. (*Infect Agent Cancer*, 30;3(1):10, 2008)
19. Abdalla AO, Kokhaei P, Hansson L, Österborg A, Mellstedt H. Idiotypic vaccination induced reduction/elimination of circulating tumor cells in patients with multiple myeloma. (*Ann Oncol*, 19(6):1172-9, 2008)
20. Yousefi B, Kokhaei P. The Probst bundle associated with anomalies of the precommissural separated fornix in an acallosal brain. (*Eur J Anat*, 13(1):37-41 2009)
21. Delirez N, Moazzeni SM, Shokri F, Shokrgozar MA, Atri M, Kokhaei P. Autologous dendritic cells loaded with apoptotic tumor cells induce T cell-mediated immune responses against breast cancer in vitro. (*Cell Immunol*, 257(1-2):23-3, 2009)
22. Adamson L, Palma M, Choudhury A, Eriksson I, Näsman-Glaser B, Hansson M, Hansson L, Kokhaei P, Osterborg A, Mellstedt H. Generation of a dendritic cell-based vaccine in chronic lymphocytic leukaemia using CliniMACS platform for large-scale production . (*Scand J Immunol*, 69(6):529-36, 2009)
23. Choudhury A, Derkow K, Daneshmanesh AH, Mikaelsson E, Kiaii S, Kokhaei P, Osterborg A, Mellstedt H. Silencing of ROR1 and FMOD with siRNA results in apoptosis of CLL cells. (*Br J Haematol*, Nov;151(4):327-35, 2010)
24. Mosayebi G, Ghazavi A, Ghasami K, Jand Y, Kokhaei P. Therapeutic effect of vitamin D3 in multiple sclerosis patients. (*Immunol Invest*, 40(6):627-39, 2011)

25. Samadi-Foroushani M, Vahabpour R, Memarnejadian A, Namdar A, Khamisabadi M, Sadat SM, Asgarian-Omran H, Azadmanesh K, Kokhaei P, Aghasadeghi MR, Hadjati J. Immune responses regulation following antitumor dendritic cell-based prophylactic, concurrent, and therapeutic vaccination. (Med Oncol, 28(Suppl 1):S660-6, 2011)
26. Wang B, Kokhaei P, Mellstedt H, Liljefors M. FcγR polymorphisms and clinical outcome in colorectal cancer patients receiving passive or active antibody treatment. (Int J Oncol. Dec;37(6):1599-606, 2010)
27. Palma M, Hansson L, Choudhury A, Näsman-Glaser B, Eriksson I, Adamson L, Rossmann E, Widén K, Horváth R, Kokhaei P, Vertuani S, Mellstedt H, Osterborg A. Vaccination with dendritic cells loaded with tumor apoptotic bodies (Apo-DC) in patients with chronic lymphocytic leukemia: effects of various adjuvants and definition of immune response criteria. (Cancer Immunol Immunother, 61(6):865-79, 2012)
28. Kiaii S, Kokhaei P, Mozaffari F, Rossmann E, Pak F, Moshfegh A, Palma M, Hansson L, Mashayekhi K, Hojjat-Farsangi M, Osterborg A, Choudhury A, Mellstedt H. T cells from indolent CLL patients prevent apoptosis of leukemic B cells in vitro and have altered gene expression profile. (Cancer Immunol Immunother. Epub ahead of print, June 27, 2012)
29. Palma M, Parker A, Hojjat-Farsangi M, Forster J, Kokhaei P, Hansson L, Osterborg A, Mellstedt H. Telomere length and expression of human telomerase reverse transcriptase splice variants in chronic lymphocytic leukemia. Exp Hematol. Exp Hematol. 2013 Jul;41(7):615-26. doi: 10.1016/j.exphem.2013.03.008. Epub 2013 Mar 30.
30. Bandegi AR, Firoozrai M, Akbari Eidgahi MR, Kokhaei P. Iran J Basic Med Sci. SstI Polymorphism of the Apolipoprotein CIII Gene in Iranian Hyperlipidemic Patients: A Study in Semnan Province 2011 Nov;14(6):506-13
31. Mikaelsson E, Osterborg A, Jeddi-Tehrani M, Kokhaei P, Ostadkarampour M, Hadavi R, Gholamin M, Akhondi M, Shokri F, Rabbani H, Mellstedt H. A Proline/Arginine-Rich End Leucine-Rich Repeat Protein (PRELP) Variant Is Uniquely Expressed in Chronic Lymphocytic Leukemia Cells. PLoS One. 2013 Jun 24;8(6):e67601
32. Majid Pahlevan Kakhkia, Abbas Nikravesb, and Parviz Kokhaei , MicroRNAs as Diagnostic and Therapeutic Targets in Multiple Sclerosis Advances in Neuroimmune Biology 4 (2013) 67–76
33. M. Ahmadi-hamedani¹, K. Ghazvinian, P. Kokhaei M. Barati and A. Mahdavi
Comparison of effects of age and sex on serum protein electrophoretic pattern in one-humped camels (*Camelus dromedarius*) in Semnan, Iran *Open Veterinary Journal*, (2014), Vol. 4(1): 4-8

Books

1. Kokhaei P. Translation of book to Persian entitled; Life Death and Immune system; IBTO. Tehran Iran. (in Persian), 1998.
2. Kokhaei P. Preclinical therapeutic vaccination strategies in malignancies with focus on B-cell chronic lymphocytic leukemia, ReproPrint AB, Stockholm, 2006.

Conference and Scientific Meeting Presentation (selected)

1. Kokhaei P (1995) chemokines, inflammation and malaria. (Congress of Blood and related diseases; Tehran, Iran)
2. Kokhaei P Hassan.Z, Moteeian.H (1996). Cimetidin effect on cell mediated immunity in burn patients. (4th Iranian congress of Immunology Shiraz, Iran)
3. Kokhaei P, Rezvany MR, Virving L, Rabbani H, Österborg A, Mellstedt H. Uptake of apoptotic tumor cell by autologous dendritic cells, a tool for immunotherapy of B cell malignances. (11th International Congress of Immunology. Stockholm, Sweden, 22-27 July, 2001)
4. Kokhaei P, Adamson L, Choudhury A, Österborg A, Mellstedt H. Cryopreserved Aliquots of Antigen-Preloaded Mature Dendritic Cells Are as Good as Fresh Dendritic Cells to Stimulate Autologous T Cell Response in B-CLL and Normal Donor. (International Congress of Cancer Genetics, Tehran 13-16 Dec. 2003)
5. Kokhaei P, Mahdian R, Lundin J, Moshfegh A, Österborg A, Mellstedt H. Apoptotic Tumour Cell Are Superior to Tumour Cell Lysate, and Tumour Cell RNA in Induction of Autolougus T Cell Response in B- CLL. (iwCLL Meeting, Stresa, Italy. Oct 2003).
6. Mahdian R, Kokhaei P, Motieian Najar H, Choudhury A, Mellstedt H. T cells primed with Tumour Cell Lysate-pulsed Dendritic cells are capable of lysing tumour cells expressing shared antigen. (International Congress of Cancer Genetics, Tehran 13-16 Dec. 2003)
7. Kokhaei P, Adamsson L, Choudhury A, Österborg A, Mellstedt H. Cryopreserved Aliquots of Antigen-Preloaded Mature Dendritic Cells Are as Good as Fresh Dendritic Cells to Stimulate Autologous T Cell Response in B-CLL and Normal Donor. (12th ICI Montreal Canada Clinical and investigative Medicine Vol 27.No.4 Aug.2004)
8. Mellstedt H, Kokhaei P, Osterborg A, Choudhury A. Comparison of Antigen-Loading Strategies for DC-Based Immunotherapy of B-CLL (ASH, San Diego, USA, Dec 2004, Blood, Volume 104, issue 11, November 16, 2004)
9. Choudhury A, Derkow K, Mikaelsson E, Kokhaei P, Österborg A, Rabbani H, Mellstedt H. Oral Session; Down regulating the Fibromodulin Gene by Short Interfering RNA Causes B-CLL Cell Death. (Blood, San Diego, USA, Volume 104, issue 11, November 16, 2004)
10. Choudhury A, Derkow K, Kokhaei P, Mikaelsson E, DaneshManesh A, Jeddi-Tehrani M, Rabbani H, Österborg A, Mellstedt H. SiRNA-mediated silencing of the Fibromodulin gene induces apoptosis of B-CLL cells (Sweden). (18th Meeting of the EACR Innsbruck, Austria 3-6 July, 2004)
11. Pak F, Pyakurel P, Kokhaei P, Kaaya E, Pourfathollah A-A, Biberfeld P. HHV-8/KSHV during Development of Kaposi's Sarcoma: Evaluation by PCR and Immunohistochemistry. (12th International Congress of Immunology Montreal Canada. Clinical and investigative Medicine Vol 27.No.4 Aug. 2004)

12. Abdalla AO, Kokhaei P, Hansson L, Kubbies M, Haselbeck A, Mikaelsson E, Jernberg-Wiklund H, Mellstedt H, Österborg A. Expression of erythropoietin receptor (EPO-R) and in vitro functional effects of epoetin in B-cell malignancies. (ASH, LA, USA, Dec. 2005)
13. Choudhury A, Palma M, Kokhaei P, Hansson L, Österborg A, Mellstedt H. Telomerase-derived peptide antigen generates antileukemic T cells from B-CLL patients in vitro. (34th Annual Scientific Meeting of the International Society for Experimental Hematology, July 30 - August 2 2005, Glasgow, Scotland, UK)
14. Palma M, Kokhaei P, Hansson L, Österborg A, Choudhury A, Mellstedt H. Telomerase - a tumor antigen in chronic lymphocytic leukemia (CLL) induces spontaneously autologous cytotoxic T lymphocytes efficient in eradicating CLL cells. (10th Annual Meeting of the European Hematology Association. Stockholm, Sweden, June 2-5, 2005)
15. Kokhaei P, Palma M, Hansson L, Österborg A, Choudhury A, Mellstedt H. Telomerase - a tumor antigen in chronic lymphocytic leukemia (CLL) induces spontaneously autologous leukemia specific cytotoxic T lymphocytes. (Annual Meeting of the American Society of Clinical Oncology. Orlando, FL, USA. May 13-17, 2005). Journal of Clinical Oncology, 2005. (ASCO Annual Meeting Proceedings. Vol 23, No 16S (June 1 Supplement), 2005: 2577, 2005)
16. Kokhaei P, Abdalla AO, Hansson L, Kubbies M, Haselbeck A, Mikaelsson E, Jernberg-Wiklund H, Mellstedt H, Österborg A. Expression of erythropoietin receptor (EPO-R) and in vitro functional effects of epoetins in B cell malignancies. (31st ESMO Congress, Istanbul, Turkey 29 Sept - 3 Oct, 2006)
17. Choudhury A, Derkow K, Mikaelsson E, Kokhaei P, Rabbani H, Österborg A, Mellstedt H. SiRNA-mediated Downregulation of Fibromodulin and Ror-1 causes B-CLL apoptosis. (31st ESMO Congress, Istanbul, Turkey 29 Sept - 3 Oct, 2006)
18. Palma M, Kokhaei P, Kiaii S, Näsman-Glaser B, Hansson L, Österborg A, Choudhury A, Mellstedt H. hTERT (human Telomerase Reverse Transcriptase) σ - insert splice variant (INS1) expression in B-chronic lymphocytic leukemia (B-CLL). (31st ESMO Congress, Istanbul, Turkey 29 Sept - 3 Oct, 2006)
19. Abdalla AO, Hansson L, Kokhaei P, Rabbani H, Österborg A, Mellstedt H. Specific immunity against the idiotype vaccine induced a prolonged reduction and/or control of the circulating clonal tumor B cells in multiple myeloma patients. (31st ESMO Congress, Istanbul, Turkey 29 Sept - 3 Oct, 2006)
20. Choudhury A, Hansson L, Palma M, Kokhaei P, Adamson L, Osterborg A, Mellstedt H. Vaccination of B-CLL patients with autologous dendritic cells and leukemia-derived apoptotic bodies. (31st ESMO Congress, Istanbul, Turkey 29 Sept - 3 Oct, 2006)
21. Palma M, Hansson L, Adamson L, Näsman-Glaser B, Eriksson I, Kokhaei P, Choudhury A, Österborg A, Mellstedt H. A Phase I-II vaccine trial using DC loaded with apoptotic, autologous leukemic cells of B-chronic lymphocytic leukemia (B-CLL) patients. (5th NCEV meeting in Forlì, Italy. 1st March 2007)

22. Pak F, Mwakigonja A, Kokhaei P, Pyakural P, Kaaya E, Bogdanovic G, Selivanova G, Biberfeld P. Kaposi's Sarcoma (KS) Associated Herpesvirus (KSHV/HHV-8) load in biopsies of cutaneous and oral KS tumor. (The First Congress of Clinical Microbiology, Shiraz, Iran, 8-10 Maj 2007. The best presentation in the second day, awarded)
23. Adamson L, Mårtensson A, Kokhaei P, Österborg A, Choudhury A, Pisa P, Palma M, Hansson M, Mellstedt H. Generation of dendritic cell-based vaccine for therapy of B-CLL patients. Comparison of two technology platforms; the Elutriation and CliniMACS for large-scale enrichment. (Scotland DC Meeting March 2007)
24. Rossmann E, Kokhaei P, Mozaffari F, Palma M, Osterborg A, Mellstedt H, Choudhury A. T Cells from Patients with Chronic Lymphocytic Leukaemia Prevent Apoptosis of Autologous CLL Cells in a Dose- and Cell:Cell-Contact Dependent Fashion; Rationale for New Therapeutic Possibilities. (Abstract. ASH, San Francisco, USA, Dec 6-9, 2008)
25. Kokhaei P, Mozaffari F, Palma M, Rossmann E, Österborg A, Mellstedt H. T cells from Chronic Lymphocytic Leukaemia patients support tumor cell survival in vitro. (European Society for Medical Oncology, Stockholm Sweden, 12-16 Sept 2008)
26. Kokhaei P, Hansson L, Mozaffari F, Mashayekhi K, Moshfegh A, Choudhury A, Österborg A Mellstedt H. T cells from Chronic Lymphocytic Leukaemia patients have abnormal gene expression profile and support in vitro survival of autologous leukemic cells. (Abstract. 13th iwCLL, Barcelona 16th- 18th, Oct, 2009)