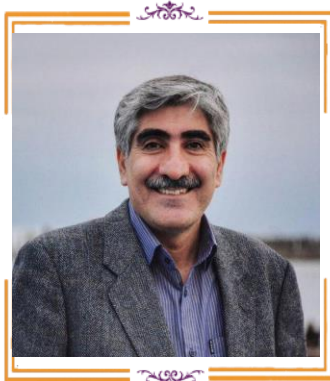


CURRICULUM VITAE

Dr. Abbas Nikravesh

Associated Professor of Molecular Genetics



Dept. Advanced Technologies, School of Medicine, North Khorasan University of Medical Sciences, Bojnurd, Iran.

E-mails : nikraveshabbas2@gmail.com, A.Nikravesh@nkums.ac.ir

Professional Education

1986 – 1990 Tehran University, Tehran / Iran

Bachelor of Science, Cell & Molecular Sciences

1994-1998, Tarbiat Modarres University, Tehran/Iran

Master of Science in Genetics

Title of thesis: Genetic study of plasmid profiles of *Staphylococcus Aureus* resistance to Methicillin

2003-2008 Karolinska Institutet, Stockholm/ Sweden

Doctor of Philosophy (Ph.D.) in Molecular Genetics

Title of thesis: Targeting Nucleic Acids in Bacteria with Synthetic Ligands
Supervised by Dr. Liam Good

Work experience

Educational employee

1992-1993 Shahed University Tehran/Iran

Membership at:

Iranian Society of Biology
Iranian Society of Biotechnology
Iranian Society of Genetics
Executive Committee of Iranian Society of Genetics (Microorganism Branch)
Iranian Society of Microbial Science and Technology

Set Up:

Molecular Genetics Research laboratory in University of Zabol.
Key role in establishing the Genetic major at Master of Science degree in
Dept. of Biology, Zabol University.
Key role in establishing the Medical Biotechnology major at Master of Science
degree in North Khorasan University of Medical Sciences.
Genetic Counseling Center in North Khorasan University of Medical Sciences at
May 2014.
The workshop of Molecular Genetics Methods and Bioinformatics in University
of Zabol at 16-18 Nov 2012

Chairmanship

Dean of **Esfarayen Faculty of Medical Sciences** from July 2014 to Nov 2017
Dean of **Saveh Faculty of Medical Sciences** from Jun 2018 to Mar 2020
Head of **Advanced Technologies Dept.**, Faculty of Medicine,
North Khorasan University of Medical Sciences from April 2014 to Jun 2018

Awards

Scholarship for MSc. and PhD from Iranian Ministry of Science,
Research and Technology.

Present position

Associate Professor in Genetic at Advanced Technologies Dept., Faculty of Medicine,
North Khorasan University of Medical Sciences

Teaching

The courses to undergraduate & graduate students

Principles of Genetics; Lab. of Principles of Genetics

Cell & Molecular Biology; Lab. of Cell & Molecular Biology

Medical Genetics; Human Genetics

Genetic Engineering; Lab. of Genetic Engineering

Inheritance diseases & Genetic Counseling

Supervision

The thesis of 18 students in MSc. & Ph.D. degree in Molecular Genetics and Medical Biotechnology major have been Supervised

Papers in English

- 1- Dryselius R, **Nikraves A**, Kulyte A, Goh S, Good L. Variable coordination of cotranscribed genes in *Escherichia coli* following repression. BMC Microbiology 2006, 6:97.
- 2- Faridani OR, **Nikraves A**, Pandey DP, Gerdes K, Good L. Competitive inhibition of natural antisense Sok-RNA interactions activates Hok-mediated cell killing in *Escherichia coli*. Nucleic Acids Research 2006; 34(20): 5915-22.
- 3- **Nikraves A**, Dryselius R, Faridani OR, Goh S, Sadeghizadeh M, Behmanesh M, Ganyu A, Klok EJ, Zain R, Good L. Antisense PNAs Accumulate in *Escherichia coli* and mediates a long post antibiotic effect. Mol Ther 2007 Aug; 15(8): 1537-42.
- 4- **Nikraves A**, Sadeghizadeh M, Behmanesh M, Good L. Cellular morphology and immunologic properties of *Escherichia coli* treated with antimicrobial antisense peptide nucleic acid. Iranian Journal of Pathology 2009; 4(1).
- 5- Bergquist H, **Nikraves A**, Fernandez RD, Larsson V, Nguyen C-H, Good L, Zain R. Structure-Specific Recognition of Friedreich's Ataxia (GAA)_n Repeats by Benzoquinoxaline Derivatives. ChemBioChem 2009; 10: 2629-2637.
- 6- Bansal S, Tawar U, Singh M, **Nikraves A**, Good L, Tandon V. Old class but new dimethoxy analogue of benzimidazole: a bacterial topoisomerase I inhibitor. Int J Antimicrob Agents 2010 Feb; 15(2): 186-190.
- 7- Sanadgol N, **Nikraves A**, Motaleb G, Roshanzamir F, Balazade T,

Ramroodi N, Khajeh, H. Evaluation of the association between ICAM-1 gene polymorphisms and sICAM-1 serum levels in multiple sclerosis (MS) patients in Southeast Iran. *International Journal of Genetics and Molecular Biology*, 2011; Volume 3, Issue 6, July 2011, Pages 81-86

8- Miri-Moghadam E, Zadeh-Vakili A, **Nikravesht A**, Sanaei Sistani Sh, Naroie-Nejad M. Sistani population: A different spectrum of Beth- Thalassemia Mutations from other ethnic groups of Iran. *Hemoglobin*, 2013; 37(2): 138–147.

9- Sanadgol N, Sanchooli J, **Nikravesht A**, Momeni R, Khajeh H, Safari M, Radpour M. Association of VCAM-1 Gene Polymorphisms with Multiple Sclerosis Susceptibility in the Southeast of Iran. *American Journal of Biochemistry and Molecular Biology*, 2013, DOI: 10.3923/ajbmb.2013

10- Ahani N, **Nikravesht A**, Shirkoohi R, & Karimi Arzenani M, Rokouei M, Alipour Eskandani, M. Detection of human cytomegalovirus in glioma tumor tissues. *Comp Clin Patho*. DOI10.1007/s00580-013-1783-8.

11- Pahlevan Kakhki M, **Nikravesht A**, Kokhaei P. MicroRNAs as Diagnostic and Therapeutic Targets in Multiple Sclerosis. *Advances in Neuroimmune Biology* 4 (2013) 67–76. DOI 10.3233/NIB-130053.

12- Ahani N, Karimi Arzenani M, Shirkoohi R, Rokouei M, Alipour Eskandani M, **Nikravesht A**. Expression of insulin-like growth factor binding protein-2 (IGFBP-2) gene in negative and positive human cytomegalovirus glioblastoma multiforme tissues. *Med Oncol*. 2014 Feb;31(2):812. doi: 10.1007/s12032-013-0812-4. Epub 2013 Dec 19.

13- Rahbar Kafshboran H, Bonyadi M, Miri H, Haghi M, **Nikravesht A**, Abdolmohammadi R, Hossein Somi M, Khoshbaten M. Association of TNF- α -857 Polymorphism with Inflammatory Bowel Disease in a Group of Iranian Azeri Individuals. *Middle East J Dig Dis*. 2014 Jan; 6(1):28-31.

14- Ahani N, Shirkoohi R, Rokouei M, Alipour Eskandani M, **Nikravesht A**. Overexpression of enhancer of zeste human homolog 2 (EZH2) gene in human cytomegalovirus positive glioblastoma multiforme tissues. *Med Oncol*. 2014 Nov; 31(11):252. doi: 10.1007/s12032-014-0252-9. Epub 2014 Oct 8. PMID: 25294424

15- Heidary M, Rakhshi N, Pahlevan Kakhki M, Behmanesh M, Sanati MH, Sanadgol N, Kamaladini H, **Nikravesht A**. The analysis of correlation between IL-1B gene expression and genotyping in multiple sclerosis patients. *J Neurol Sci*. 2014 May 15. pii: S0022-510X (14)00303-7. doi: 10.1016/j.jns.2014.05.013.

16- Pahlevan Kakhki M, Rakhshi N, Heidary M, Behmanesh M, **Nikravesht A**. Expression of suppressor of cytokine signaling 1 (SOCS1) gene dramatically increases in relapsing-remitting multiple sclerosis. *J Neurol Sci*. 2015 Mar 15;350(1-2):40-5.

doi: 10.1016/j.jns.2015.02.005. Epub 2015 Feb 8. PMID:25701091

17- Miri-Moghaddam E, **Nikravesht A**, Gasemzadeh N, Badaksh M, Rakhshi N. Spectrum of alpha-globin gene mutations among premarital Baluch couples in southeastern Iran. *Int J HematolOncol Stem Cell Res.* 2015 Jul 1;9(3): 13842.PMID:26261699

18- Haj MS, **Nikravesht A**, Kakhki MP, Rakhshi N. Association study of four polymorphisms in the interleukin-7 receptor alpha gene with multiple sclerosis in Eastern Iran. *Iran J Basic Med Sci.* 2015 Jun;18(6):593-8. PMID: 26221483

19- Nakhzari Khodakheir T, Pourtalebi-Firoozabadi A, Sangtarash MH, **Nikravesht A**. Association Between Interleukin-19 (IL-19) and Interleukin-20 (IL-20) Genes Polymorphisms with Multiple Sclerosis in an Iranian Population. *Gene Cell Tissue.* 2017 April;4(2): e11957

20- Pahlevan Kakhki M, **Nikravesht A**, Shirvani Farsani Z, Sahraian MA, Behmanesh M. HOTAIR but not ANRIL long non-coding RNA contributes to the pathogenesis of multiple sclerosis. *Immunology.* 2018 Apr;153(4):479-487. doi: 10.1111/imm.12850. Epub 2017 Nov 16. PMID: 29030863; PMCID: PMC5838425.

21- Pahlevan Kakhki M, Rakhshi N, Emami Aleagha MS, Abdari M, Alikhah A, Safarian G, Behmanesh M, **Nikravesht A**. Differential expression of STAT3 gene and its regulatory long non-coding RNAs, namely lnc-DC and THRIL, in two eastern Iranian ethnicities with multiple sclerosis. *Neurol Sci.* 2020 Mar;41(3):561-568. doi: 10.1007/s10072-019-04092-y. Epub 2019 Nov 12. PMID: 31713760.

22- Shaker F, **Nikravesht A**, Arezumand R, Aghaee-Bakhtiari SH. Web-based tools for miRNA studies analysis. *Comput Biol Med.* 2020 Dec; 127:104060. doi: 10.1016/j.compbiomed.2020.104060. Epub 2020 Oct 16. PMID: 33096299.

23- Amani A, Namdar Ahmadabad H, **Nikravesht A**, Zarei J, Haghbein A. Covid-19 death rates in Iran and Iraq: possible relations between Iraq's pre-Covid-19 mass gatherings and its low death rate. *Journal of Epidemiology and Global Health,* 1-3, 2022

Paper in Persian

1-Noori-Daloi MR, **Nikravesht A**, Mehraein F. "Genetic study of plasmid profiles of *Staphylococcus Aureus* Resistant to Methicillin. *Iranian Journal of Biology* 1997-1998; 5(3&4): 202-215.

2-Kakhki MP, Heidary M, Rakhshi N, Behmanesh M, **Nikravesht A**. The prediction and analysis of SOCS1 SNPs in the pathogenesis of Multiple Sclerosis with the alternation of some MicroRNAs binding sites. *Journal of North Khorasan University*

of Medical Sciences. Winter 2013;5(4):714

3- Pahlevan Kakhki M, **Nikravesh A**, Rakhshi N, Heidary M. MicroRNAs in Multiple Sclerosis. Journal of North Khorasan University of Medical Sciences. Spring 2013;5(1):194

4- Hosseini S, **Nikravesh A**, Hashemi ZS, Rakhshi N. Race of apparent abnormalities in neonates born in Amirmomenin hospital of Sistan. Journal of North Khorasan University of Medical Sciences Autumn 2014;6(3): 580

5- Hosseini S, Rakhshi N, Abdullah Chalaki N, Jafari SZ, **Nikravesh A**. Vitamin D, the healthy and inflamed Immune System in Multiple Sclerosis. Journal of North Khorasan University of Medical Sciences 2013;5 (Student Research Committee Supplementary):942

6- Rojhannejad M, Behmanesh M, Naser Moghadaci AR, **Nikravesh A**. Effect of TUG1 non-coding RNA knockdown on CD25 receptor expression. Modares Journal of Biotechnology, Autumn 2022, 35. underprint

Papers in Congress

1-**Nikravesh A**, Good L. The new application for peptide- PNA treated bacteria in immunology. 5th conference” From Microbial Pathogenesis to the Discovery of Antivirulence drugs” Les Diablerets, Switzerland, Oct 2009.

2- **Nikravesh A**, Rakhshi N, Mohammadi M. Genetic study of beta- thalassemia in Sistan region. 10th Iranian congress of Biochemistry & 3rd International congress of Biochemistry and Molecular Biology, Tehran, Iran, Nov 2009.

3-**Nikravesh A**, Rakhshi N, Sadeghi Haj M, Sanadgol N. Association Study of IL7Ra Gene Polymorphisms in Sistan & Bluchestan Multiple Sclerosis Patients 16th International Biology conference, Mashhad, Iran, Sep 2010.

4- R. Jajvandian, M. Sadeghi Haj, N. Rakhshi, **A. Nikravesh**. Association study of interleukin 7 receptor alpha gene polymorphism in multiple sclerosis patients in North Khorasan, Iran. 5th Joint triennial congress of the European and Americas committees for treatment and research in multiple sclerosis. Amsterdam, the Netherlands / 19 - 22 October 2011.

5- R. Jajvandian, A. Ali Babai, S. Torabzadeh, N. Rakhshi, **A. Nikravesh**. Prevalence of multiple sclerosis in North Khorasan province, northern Iran. 5th Joint triennial congress of the European and Americas committees for treatment and research in multiple sclerosis. Amsterdam, the Netherlands / 19 - 22 October 2011.

6- **A. Nikravesh**, M. Behmanesh, Majid Pahlevan Kakhki, Nahid Rakhshi, Masoumeh Heidary. MicroRNAs: pivotal biomarkers for multiple sclerosis. 12th Iranian Genetic congress, Tehran, Iran, 21-23 May 2012.

7- **Abbas Nikravesh**, Majid Pahlevan Kakhki, Nahid Rakhshi, Kokhaei Parviz. MicroRNAs in multiple sclerosis. 11th International congresses of Immunology & Allergy, Tehran, Iran. 26-29 April 2012.

8- Pahlevan kakhki Majid, **Nikravesh Abbas**, Behmanesh Mehrdad, Rakhshi Nahid, Heidary Masoumeh. SOCS1 a new discovered gene in Multiple Sclerosis: An association study in Sistan and Baluchistan province of Iran. The Ninth International MS congress of Iran, Theran, Iran. 1-2 November 2013.

9- Heidary Masumeh, **Nikravesh Abbas**, Sanati Mohhammad Hossein, Rakhshi Nahid, Palevan kakhki Majid. Association Study of IL-1b Gene Polymorphism in Multiple Sclerosis Patients in Sistan and Baluchistan Province of Iran. The Ninth International MS congress of Iran, Theran, Iran. 1-2 November 2013.

10- Majid Pahlevan Kakhki, **Abbas Nikravesh**, Zeinab Shirvani Farsani, Mohammad Ali Sahraian, Mehrdad Behmanesh. The controlling role of Vitamin D3 treatment on the inflammatory responses of Multiple sclerosis patients: Evidence from HOTAIR and ANRIL LncRNAs, San Servolo, Venice – Italy June 26 – 30 – 2017

11- Rangani F, Kadkhoda Mezeji Z, Alikhah A, Dehghanzad R, Rakhshi N, Abbasi B, Ahmadi AH, **Nikravesh A**, Pahlevan Kakhki M, Evaluation of IL2RA and Multiple Sclerosis risk: A case control, systematic review and meta-analysis study. Submitted to MSMilan 2023, 9th JointECTRIMS-ACTRIMS Meeting, 11-13 October 2023/ Milan, Italy

Ongoing Projects

- 1- Role of two Long noncoding RNAs GAS5 and Tug1 in the Rituximab clinical response in multiple sclerosis patients
- 2- Investigating the expression of NLRP3 inflammasome index genes under fingolimod drug treatment in neuronal cell lines