

Curriculum Vitae

First name: Gholamreza

Surname: Nikbakht Brujeni

1- Professor at Department of Microbiology and Immunology

Faculty of Veterinary Medicine University of Tehran, Tehran-Iran

2- Associate member of The Academy of Sciences

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Date of Birth 1966

Nationality Iranian

Employment Position

- Professor

Education and Academic Qualifications

- 1985-1991 study of Veterinary Medicine at University of Tehran; Tehran, Iran.
- 1991 - the Doctorate degree (DVM) at University of Tehran
- 1996-2001 study of Microbiology and Immunology at University of Tehran; Tehran, Iran.
- 2001- Ph.D. degree at University of Tehran
- 2007 - Associate Professor at University of Tehran
- 2011- Full Professor at University of Tehran

Employment Summary

- 1991-1996 Research worker at Central Research of Natural Resource and Animal, Iran
- 2001-2007 Assistant Professor at Department of Microbiology and Immunology, Faculty of Veterinary Medicine, University of Tehran, Tehran, Iran
- 2007 - Associated Professor at Department of Microbiology and Immunology, Faculty of Veterinary Medicine, University of Tehran, Tehran, Iran
- 2004-2010 Head of central research laboratory at Faculty of Veterinary Medicine, University of Tehran, Tehran, Iran
- Since 2011 - Full Professor at Department of Microbiology and Immunology, Faculty of Veterinary Medicine, University of Tehran, Tehran, Iran
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Pedagogical Activities

- Design and development of recombinants vaccines, and reverse vaccinology

- Genetic variation at MHC loci of human, dog, birds (Chicken and turkey), cattle and sheep
- Cellular and Molecular Immunology, Immunogenetics
- Association of MHC alleles with immune response and productive traits
- DNA vaccines and technology
- Molecular epidemiology, typing and characterization of animal viruses and bacteria
- Development of calf colibacillosis vaccine, recombinants and reverse vaccinology

Scientific and Research Activities

- My Ph.D. thesis concerned genetic analysis of Salmonella. My first papers were devoted to molecular epidemiology of Salmonella abortus ovis. Since 2001 the main area of my interest has been shifted to immunogenetics and DNA vaccines. I have dealt with the study of MHC polymorphisms in human, chicken, cattle and sheep as well as DNA design vaccines and technology. Now I am moreover interested in Immunogenetics, epigenetics and mathematical modeling.

Extrauniversity Activities

- Scientific manager and secretary of National Congress on Veterinary Laboratory Sciences (2009)
- Scientific secretariat of the Laboratories committee of Iranian Veterinary Council.
- Associate member of Iranian National Academy of Science
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Offered Courses

Advanced Immunology
 Immunogenetic
 Immunology
 Immunology of Infectious Diseases
 Applied Immunology
 Birds Immunology
 Immunopathology
 Immuno Toxicology

Vaccine and Vaccination
Clinical Immunology
Essential Immunology

Project Supervisor

- Acute phase response in commercial broilers chicken (Ph.D. thesis)
- MHC class II typing in human, dog, cattle and sheep (DVM and Ph.D. thesis)
- Molecular characterization of chicken class II transactivator (CIITA) gene (Ph.D. thesis)
- Study of BoLA-DRB3.2 gene polymorphism in cattle (DVM thesis)
- Study of genotypic variability at the MHC (B-F) (Several DVM and PhD thesis)
- Molecular typing of chicken major histocompatibility complex by microsatellite marker LEI0258 (DVM and Ph.D. thesis)
- Using Mycobacterium avium HSP70 eukaryotic expression vector as an adjuvant in chicken (Ph.D. thesis)
- Development of recombinant and subunit vaccine against colibacillosis (Several DVM and Ph.D. thesis)

Prizes:

Research Scientists:

Gholamreza Nikbakht Brujeni, 2015/12/06

Researcher

Gholamreza Nikbakht Brujeni, 2013/12/16

Researcher

Gholamreza Nikbakht Brujeni, 2013/12/16

Lecturer

Gholamreza Nikbakht Brujeni, 2013/05/10

Grants, Awards and Funding:

- 1- Genotyping and determination of major histocompatibility genes in Iranian cattle and River buffaloes, Iran national Science foundation, Grant Number: 91002722- 16600 \$
- 2- Association of chicken Major Histocompatibility Complex with immune response, Grant Number: 93047261- 13300 \$
- 3- Vaccine development for enteropathogenic bacteria, Ministry of Science research and technology, Grant Number: N/A, 53,000 \$
- 4- Collaboration with UK Biotechnology and Biological Sciences Research Council Grant Number: BB/L004070/1.

References:

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Selected Publications

1. **Nikbakht** Brujeni G, Houshmand P, Soufizadeh P. Bovine leukemia virus: a perspective insight into the infection and immunity. *Iran J Vet Res.* 2023;24(4):290-300. doi: 10.22099/IJVR.2023.48236.7023.
2. Heidary R, **Nikbakht** Brujeni G, Lotfi M, Hajizadeh A, Yousefi AR. A Comparative Study of the Effects of Al(OH)₃ and AlPO₄ Adjuvants on the Production of Neutralizing Antibodies (NABs) against Bovine parainfluenza Virus Type 3 (BPIV3) in Guinea Pigs. *Arch Razi Inst.* 2023 Dec 30;78(6):1779-1786. doi: 10.32592/ARI.2023.78.6.1779
3. Mollazadeh S, Bakhshesh M, Keyvanfar H, **Nikbakht** Brujeni G. Identification of Cytotoxic T lymphocyte (CTL) Epitope and design of an immunogenic multi-epitope of Bovine Ephemeral Fever Virus (BEFV) Glycoprotein G for Vaccine Development. *Res Vet Sci.* 2022 May;144:18-26. doi: 10.1016/j.rvsc.2021.12.023
4. Mollazadeh S, Keyvanfar H, Bakhshesh M, **Nikbakht** Brujeni G. Epitope Identification in BEFV N protein for Detecting Effective Points. *J Adv Biomed Sci.* 2022;
5. **Nikbakht** G, Houshmand P, Esmailnejad A, Abasabadi F. Major Histocompatibility Complex as Marker Assisted Selection for Breeding Immunocompetent Animal. *Iran J Vet Med.* 2022;16(3):211–27.
6. **Nikbakht** Brujeni GN. Novel Insights into Infection and Immunity. *Iran J Vet Med.* 2022;16(2):99–100.
7. Khodadadi M, Sheikhi N, Haghbin Nazarpak H, **Nikbakht** Brujeni G. Effects of dietary turmeric (*Curcuma longa*) on innate and acquired immune responses in broiler chicken. *Vet Anim Sci.* 2021;14:100213.
8. Gholamnezhad P, Ahari H, **Nikbakht** Brujeni G, Anvar SAA, Motallebi A. Evaluation of high resolution melting (Hrm) analysis for meat species identification of raw and cooked meat. *Separations.* 2021;8(8):116.
9. Gholamnezhad P, Ahari H, **Nikbakht** Brujeni G, Anvar SAA, Motallebi A. Real-time PCR High-resolution Melting Analysis for the Species Identification of Meat Products: Focusing on Food Safety and Detection of Meat Adulterations. *Thrita.* 2021;10(1).
10. Marashi SM, Sheykhi N, Modirrousta H, **Nikbakht** Brujeni G, Vafsimarandi M, Fereidouni S. Surveillance of highly pathogenic avian influenza viruses (H5Nx Subtypes) in wild birds in Iran, 2014-2019. *Arch Razi Inst.* 2021;76(3):487–98.
11. Alkafajy A, Al-Karagoly H, **Nikbakht** Brujeni GN. Comparison of cattle BoLA-DRB3 typing by PCR-RFLP, direct sequencing, and high-resolution DNA melting curve analysis. In: *Veterinary Research Forum.* 2020. p. 21–6.

12. Asgharpour P, Dezfouli MRM, Nadealian MG, Eftekhari Z, **Nikbakht** Brujeni G. Effects of 1, 25-dihydroxy vitamin D3 on clinical symptoms, pro-inflammatory and inflammatory cytokines in calves with experimental pneumonia. *Res Vet Sci.* 2020;132(April):186–93.
13. Janmohammadi A, Sheikhi N, Nazarpak HH, **Nikbakht** Brujeni GN. Effects of vaccination on acute phase protein response in broiler chicken. *PLoS One.* 2020;15(3):e0230949.
14. Mostaan S, Ghasemzadeh A, Ehsani P, Sardari S, Shokrgozar MA, Abolhassani M, ..., **Nikbakht**, In silico analysis of *Pasteurella multocida* plpE protein epitopes as novel subunit vaccine candidates. *Iran Biomed J.* 2020;25(1):41–6.
15. Salarpour A, Toroghi R, **Nikbakht** Brujeni G, Momayez R. In silico prediction of linear B-cell epitopes for S1 protein of two Iranian 793/B isolates and their changes after 90 serial passaging. In: *Veterinary Research Forum.* 2020. p. 365–70.
16. Hajijafari Anaraki M, Sheikhi N, Haghighi Nazarpak H, **Nikbakht** Brujeni G. Molecular characterization of infectious bronchitis virus based on RNA-dependent RNA polymerase gene. *Microbiol Immunol.* 2020;64(8):556–62.
17. Mostaan S, Ghasemzadeh A, Sardari S, Shokrgozar MA, **Nikbakht** Brujeni G, Abolhassani M, et al. *Pasteurella multocida* vaccine candidates: A systematic review. *Avicenna J Med Biotechnol.* 2020;12(3):140–7.
18. Vahedi SM, **Nikbakht** G, Jamshidi S, Lankarani L, Alimi N, Esmailnejad A. Association between DLA-DRB1.2 allelic diversity and development of mammary gland tumors in dogs. *Acta Vet Scand.* 2019;61(1):1–8.
19. Salarpour A, Toroghi R, **Nikbakht** GR, Rezai A, Momayez R. Attenuation and amino acid changes in infectious bronchitis virus Iranian 793/B serotype during serial passaging in embryonated chicken eggs. *Acta Virol.* 2019;63(4):403–14.
20. **Nikbakht** M, Pakbin B, **Nikbakht** Brujeni G. Evaluation of a new lymphocyte proliferation assay based on cyclic voltammetry; an alternative method. *Sci Rep.* 2019;9(1):1–7.
21. **Nikbakht** Brujeni G, Hassanzadeh M, Al-Karagoly H, Tolouei T, Esmailnejad A. Evaluation of humoral immune responses to enterotropic lentogenic VG/GA vaccine of Newcastle disease in commercial turkey poults (*Meleagris gallopavo*). *Acta Vet Scand.* 2019;61(1):1–6.
22. Stear A, Ali AOA, Brujeni GN, Buitkamp J, Donskow-Lysoniewska K, Fairlie-Clarke K, ... , **Nikbakht** Identification of the amino acids in the Major Histocompatibility Complex class II region of Scottish Blackface sheep that are associated with resistance to nematode infection. *Int J Parasitol.* 2019;49(10):797–804.
23. Ghorbanpour R, **Nikbakht** G, Jalali AH. Immuno-bioinformatics study of autotransporter protein, antigen 43, in enterotoxigenic *Escherichia coli* isolated from calves. *J Vet Res.* 2019;74(1):128–41.
24. Yadegari Z, **Nikbakht** Brujeni G, Ghorbanpour R, Moosakhani F, Lotfollahzadeh S. Molecular characterization of enterotoxigenic *Escherichia coli* isolated from neonatal calves diarrhea. In: *Veterinary Research Forum.* 2019. p. 73–8.
25. Al-Karagoly H, **Nikbakht** Brujeni G, Hassanzadeh M, Tolouei T. Turkey humoral and cell-mediated

- immune responses to a newcastle viscerotropic vaccine and its association with major histocompatibility complex. *Bulg J Vet Med.* 2019;22(1):26–40.
26. Vahedi SM, Jamshidi S, Lankarani Mohajer L, **Nikbakht** Brujeni G. Allelic discrimination of canine MHC (DLA-DRB1) by high resolution melt analysis. *J Vet Res.* 2018;73(1):93–100.
 27. Esmailnejad A, **Nikbakht** Brujeni G. Allelic polymorphism of insulin-Like growth factor i gene and its association with production traits in native chickens. *Bulg J Vet Med.* 2018;21(3):279–85.
 28. Sheykhi A, Sheikhi N, Charkhkar S, **Nikbakht** Brujeni G. Detection and Characterization of Circovirus in Canary Flocks. *Avian Dis.* 2018;62(2):137–42.
 29. **Nikbakht** Brujeni G, Shahram S, Mohyedidini S. Detection of a new canine parvovirus mutant in Iran. *Iran J Vet Med.* 2018;12(1):1–7.
 30. Alkaragoly H, **Nikbakht** Brujeni G, Esmailnejad A, Hasanzadeh M, Tolouei T. MHC IIB Genetic Diversity and its Association With Humoral Immune Responses in Commercial Turkey. *Iran J Vet Med.* 2018;12(4):347–56.
 31. **Nikbakht** Brujeni N. Passive protective effect of anti-K99 antibodies against enterotoxigenic *E. coli* infection in neonatal calves. *Iran J Vet Med Iran J Vet Med.* 2018;12(2):97–107.
 32. Motedayen MH, **Nikbakht** Brojeni GH, Rasaee MJ, Zare Mirakabadi A, Khorasani A, Eizadi H, et al. Production of a human recombinant polyclonal fab antivenom against Iranian viper *Echis carinatus*. *Arch Razi Inst.* 2018;73(4):287–94.
 33. Tabatabaei S, **Nikbakht** Borojeni G, Tebyanian M, Zainel K, Jalali SAH. Production of recombinant F_{anC} of enterotoxigenic *Escherichia coli* associated with calf diarrhea. *J Vet Res.* 2018;73(2):251–7.
 34. Beikzadeh B, **Nikbakht** Brujeni G. Protection against neonatal enteric colibacillosis employing *E. Coli*-derived outer membrane vesicles in formulation and without vitamin D3. *BMC Res Notes.* 2018;11(1):1–8.
 35. Ranjbar MM, Ataei S, **Nikbakht** G, Golabdar S. Analysis of variations, structures, and phylogenetic characteristics of bovine leukocyte antigen DRB3 exon2. *Arch Razi Inst.* 2017;72(3):147–57.
 36. Mokhber Dezfouli MR, Lotfollahzadeh S, Heidari Sureshjani M, Dehghan MM, **Nikbakht** Brujeni G, Eftekhari Z, et al. Changes in clinical signs after treatment in calves with experimental colisepticemia with *Escherichia coli*. *J Vet Res.* 2017;72(1):63–71.
 37. Esmailnejad A, **Nikbakht** Brujeni G, Badavam M. LEI0258 microsatellite variability and its association with humoral and cell mediated immune responses in broiler chickens. *Mol Immunol.* 2017;90:22–6.
 38. Gharabaghi A, Lotfollahzadeh S, Mokhber Dezfouli MR, Moosakhni F, Yadegari Z, **Nikbakht** Brojeni GR. Survey on prevalence of main serogroups and F5 fimbria gene in Enterotoxigenic *Escherichia coli* isolates from diarrheic calves under five days in Alborz and Qazvin provinces. *J Comp Pathobiol.* 2017;14(1):2129–34.
 39. Ali AOA, Stear A, Fairlie-Clarke K, Brujeni GN, Isa NMM, Salisi MS Bin, ..., **Nikbakht** Brujeni The

- genetic architecture of the MHC class II region in British Texel sheep. *Immunogenetics*. 2017;69(3):157–63.
40. **Nikbakht** Brujeni G, Ghorbanpour R, Esmailnejad A. Association of BoLA-DRB3.2 Alleles with BLV Infection Profiles (Persistent Lymphocytosis/Lymphosarcoma) and Lymphocyte Subsets in Iranian Holstein Cattle. *Biochem Genet*. 2016;54(2):194–207.
 41. Najdi S, **Nikbakht** Brujeni G, Sheikhi N, Chakhkar S. Development of anti-Helicobacter pylori immunoglobulins Y (IgYs) in quail. *Iran J Vet Res*. 2016;17(2):106–10.
 42. Ranjbar MM, **Nikbakht** G, Ghadrddan Mashhadi AR, Dabbaghyan M. Study of BuLA-DRB3 polymorphism in Khuzestan river buffaloes. *J Vet Res*. 2016;71(1):33–40.
 43. Esmailnejad A, **Nikbakht** Brujeni GR. Study of MHC polymorphism and its linkage to IGF1 gene in Khorasan indigenous chicken. *J Vet Res*. 2016;71(4):481–9.
 44. Esmailnejad A, **Nikbakht** G, Khazeni Oskoui N, Amini F. Allelic segregation of major histocompatibility complex using LEI0258 microsatellite marker in indigenous and commercial chickens. *J Vet Res*. 2015;70(1):101–7.
 45. **Nikbakht** G, Esmailnejad A. Chicken major histocompatibility complex polymorphism and its association with production traits. *Immunogenetics*. 2015;67(4):247–52.
 46. Motedayen MH, **Nikbakht** G, Rasaee MJ, Zare Mirakabadi A. Construction of a human recombinant polyclonal Fab fragment antibody library using peripheral blood lymphocytes of snake bitten victims. *Arch Razi Inst*. 2015;70(4):255–61.
 47. **Nikbakht** Brujeni G, Alkafajy A, Golabdar S. Genotyping of buffalo major histocompatibility complex DRB3 genes using high resolution melting point analysis. *Iran Vet J*. 2015;15(1):109–16.
 48. **Nikbakht** Brujeni G, Khosravi M. Molecular characterization of chicken class II transactivator gene. *Immunogenetics*. 2015;67(1):39–49.
 49. **Nikbakht** G, Tabatabaei S, Lotfollahzadeh S, Nayeri Fasaee B, Bahonar A, Khormali M. Seroprevalence of bovine viral diarrhoea virus, bovine herpesvirus 1 and bovine leukaemia virus in Iranian cattle and associations among studied agents. *J Appl Anim Res*. 2015;43(1):22–5.
 50. **Nikbakht** G, Esmailnejad A, Khazeni Oskoui N. Study of the association of major histocompatibility complex with antibody response to vaccines in Khorasan native chickens. *J Vet Res*. 2015;70(2):163–70.
 51. Abkar M, Amani J, Sahebghadam Lotfi A, **Nikbakht** Brujeni G, Alamian S, Kamali M. Subcutaneous immunization with a novel immunogenic candidate (urease) confers protection against Brucella abortus and Brucella melitensis infections. *Apmis*. 2015;123(8):667–75.
 52. Abkar M, Lotfi AS, Amani J, Eskandari K, Ramandi MF, Salimian J, ..., **Nikbakht** Brujeni, Survey of Omp19 immunogenicity against Brucella abortus and Brucella melitensis: influence of nanoparticulation versus traditional immunization. *Vet Res Commun*. 2015;39(4):217–28.
 53. Abkar M, Lotfi AS, Amani J, Ghorashi SA, **Nikbakht** Brujeni G, Kamali M. Design of a chimeric DNA vaccine against Brucella spp. *Minerva Biotechnol*. 2014;26(4):223–33.

54. Khosravi M, **Nikbakht** G. Detection of gene expression and sequence analysis of chicken class II trans activator (CIITA). Iran J Vet Med. 2014;7(4):287–92.
55. Lotfollahzadeh S, **Nikbakht** Brujeni GN, Atyabi N, Mohammadi V. Evaluation of Presence of MHC Class II Susceptible and Resistant Alleles to Oncovirus in Seropositive and Seronegative Holstein-Frisian Dairy Cattle in Iran. Austin J Clin Med. 2014;1(4):1017.
56. Assadian F, **Nikbakht** G, Niazi S, Khaltabadi RF, Jahantigh M. Immune responses to oral and IM administration of M2e-Hsp70 construct. Vet Res Commun. 2014;38(2):157–63.
57. Ranjbar MM, Nabian S, Taheri M, **Nikbakht** GR, Nikpei A. Immunoinformatic survey of Boophilus tick tropomyosin protein. J Vet Res. 2014;69(4):335–45.
58. Taheri M, Nabian S, **Nikbakht** GR, Yousefi P. Study of cathepsins involved in haemoglobin and vitellin digestion in Rhipicephalus (Boophilus) annulatus larvae by one- and twodimensional zymography. J Vet Res. 2014;69(1):25–31.
59. Emam M, Mehrabani-Yeganeh H, Barjesteh N, **Nikbakht** G, Thompson-Crispi K, Charkhkar S, et al. The influence of genetic background versus commercial breeding programs on chicken immunocompetence. Poult Sci. 2014;93(1):77–84.
60. Mohyedini S, Jamshidi S, Rafati S, **Nikbakht** Boroujeni GR, Malmasi A, Taslimi Y, et al. Comparison of immunochromatographic rapid test with molecular method in diagnosis of canine parvovirus. Iran J Vet Med. 2013;7(1):57–61.
61. Hanifeh M, Malmasi A, Davudi M, **Nikbakht** GR, Nabian S, Bahonar AR, et al. Effect of climatic factors on canine lime borreliosis in Iranian Caspian sea littoral provinces. J Vet Res. 2013;68(1):21–30.
62. **Nikbakht**-Brujeni G, Tajbakhsh H, Pooyanmehr M, Karimi I. In vitro immunomodulatory effects of Astragalus verus Olivier. (black milkvetch): An immunological tapestry in Kurdish ethnomedicine. Comp Clin Path. 2013;22(1):29–39.
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64. Rasekh M, Mokhber Dezfouli MR, Nouri M, Saadati D, Haji Akhondi A, Tavanaeimanesh H, ..., **Nikbakht** Brujeni The effect of parenteral administration of Erythromycin on Immunoglobulin G absorption in neonatal calves. J Vet Res. 2013;68(2):167–73.
65. Dabaghian M, Ebrahimi SM, **Nikbakht** GR, Tebianian M, Mokaram AR, Iman M, et al. Use of N-trimethyl chitosan for intranasal delivery of DNA encoding M2e-HSP70c in mice. Iran J Vet Med [Internet]. 2013;7(2):123-128,151. Available from: <http://ijvm.ut.ac.ir/>
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67. Ghaedi G, Yavari V, Falahatkar B, **Nikbakht** G, Sheibani MT, Salati AP. Whole egg and alevin changes of cortisol and interrenal tissue differences in rainbow trout oncorhynchus mykiss exposed to different stocking densities during early development. Zoolog Sci. 2013;30(12):1102–

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70. Stear MJ, **Nikbakht** G, Matthews L, Jonsson NN. Breeding for disease resistance in livestock and fish. *CAB Rev Perspect Agric Vet Sci Nutr Nat Resour*. 2012;7:1–10.
71. Asadian F, **Nikbakht** Brujeni G, H T, M J, S NS, O M. Development and ELISA-based detection of anti-M2e IgY antibodies using an encoding plasmid for M2e-Hsp80 C-terminal gene. *Iran J Vet Med*. 2012;6(2):67–71.
72. **Nikbakht** Brujeni G, Gharibi D. Development of DNA-designed avian IgY antibodies for detection of *Mycobacterium avium* subsp. *paratuberculosis* heat shock protein 70 (Hsp70) and anti-Hsp70 antibodies in the serum of normal cattle. *Appl Biochem Biotechnol*. 2012;167(1):14–23.
73. Shahgholian L, Teshfam M, Hasanpour H. **Nikbakht** Brujeni G Developmental changes in Endothelin-1 and Endothelin type A receptor expression in the lungs of chickens (Broiler versus layer). *Iran J Vet Med*. 2012;6(4):241–7.
74. Arab HA, Jamshidian J, **Nikbakht** G, Sasani F, Afkhami A. Effects of hepatic reperfusion injury on the gene expression of some cytochrome p-450 isoforms in rat liver. In: *TRANSPLANT INTERNATIONAL*. 2012. p. 22.
75. Frootan F, **Nikbakht** G, Özgentürk NÖ, Ün C. Prion protein coding gene (prnp) variability in sheep from turkey and Iran. *Biochem Genet*. 2012;50(3–4):277–84.
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77. Lotfollahzadeh S, **Nikbakht** Boroujeni GR, Mokhber Dezfouli MR, Bokaei S. A Serosurvey of Crimean-Congo haemorrhagic fever virus in dairy cattle in Iran. *Zoonoses Public Health*. 2011;58(1):54–9.
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79. Gharibi D, **Nikbakht** Broujeni GR, Tadjbakhsh H, Mosavari N, Jalali SAH. Cloning, sequencing and expression of HSP70 C-terminal domain in *Mycobacterium Avium* subsp. *paratuberculosis*. *J Vet Res*. 2011;66(4):289–98.
80. **Nikbakht** Brujeni G, Jalali SAH, Koohi MK. Development of DNA-designed avian IgY antibodies for quantitative determination of bovine interferon-gamma. *Appl Biochem Biotechnol*. 2011;163(3):338–45.
81. Hassanpour H, Momtaz H, Shahgholian L, Bagheri R, Sarfaraz S, Heydaripoor B., **Nikbakht** Brujeni

- G., Gene expression of endothelin-1 and its receptors in the heart of broiler chickens with T 3-induced pulmonary hypertension. *Res Vet Sci.* 2011;91(3):370–5.
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Conference presentations:

1. Treatment with cell-derived exosomes for acute lung injury and acute respiratory distress syndrome: a novel therapeutic strategy Armita Azizi, Mohebi Mahyar, Dehghan Mohammad Mehdi, Nikbakht Brujeni Gholamreza, Sadeghian Chaleshtori Sirous, Soufizadeh Parham (2022)., National Student Festival of Stem Cell Science and Technology, 19-20 May.
2. Nucleic acid Vaccines Nikbakht Brujeni Gholamreza (2021)., 1st National Conference on Modern Veterinary Technologies, 8 September, Iran.
3. Isolation and characterization of rabbit blood exosomes, Hooshmand Pooya, Jabbari Fakhr Masomeh, Babak Beykzadeh, Sadeghian Chaleshtori Sirous, Nikbakht Brujeni Gholamreza (2021)., 1st National Conference on Modern Veterinary Technologies, 8 September.

4. Comparison between Immunoglobulins of Camel with other domestic animals Jahan Samin, Soufizadeh Parham, Nikbakht Brujeni Gholamreza (2021)., 15th international congress of immunology and allergy, 27-29 June, Tehran, IRAN.
5. Infection and Immunity Nikbakht Brujeni Gholamreza (2021)., 15th International Congress of Immunology and Allergy, 27-29 June, Tehran, IRAN.
6. Genetic Diversity of ROS 308 Broiler chickens Using LEI0258 Microsatellite Marker
7. Vatankhah Afra, Mirzaei Parisa, Nikbakht Brujeni Gholamreza (2021)., 15th international congress of immunology and allergy, 27-29 June, Tehran, IRAN.
8. High Resolution Melting (HRM) for Ross 308 broiler chickens Genotyping, Suphizadeh Parham, Vatankhah Afra, Jahan Samin, Nikbakht Brujeni Gholamreza (2021)., 15th international congress of immunology and allergy, 27-29 June, Tehran, IRAN. 2019
9. The effect of host genetic on the expression profile of inflammatory mediators in chicken Mehdi Emami, Choiniere W., Mehrabani Yganesh Hasan, Nikbakht Brujeni Gholamreza, Said Charkhkar, N Barjesteh (2019)., 15th Congress on Stem Cell Biology and Technology, 13-16 August, USA. 2018
10. Production of recombinant human polyclonal antibody Fab fragment antivenom specific for Iranian viper Echiscarinatus in Rosetta-g bacterium, Motedayen Mohammad Hasan, Nikbakht Brujeni Gholamreza, Zolfaghari Hasan, Ranjbar Mohamad Mehdi (2018)., 14th international congress of Immunology and Allergy, 26-28 April, Tehran, IRAN.
11. Bovine Enterotoxigenic Escherichia coli Antigen 43 as a potential vaccine for calf colibacillosis Ghorbanpour Reyhaneh, Nikbakht Brujeni Gholamreza (2018)., 14th international congress of Immunology and Allergy, 26-28 April, Tehran, IRAN.
12. Allelic Variation of Insulin-Like Growth Factor I Gene, Associated with Growth and Egg Production Traits in Chicken Esmailnejad Atefeh, Nikbakht Brujeni Gholamreza (2017)., 19th International Conference on Livestock Health and Herd Management, 11-12 September, Singapore, Singapore.
13. Association of Major Histocompatibility Complex Alleles with Antibody Response to Newcastle Vaccine in Chicken Esmailnejad Atefeh, Nikbakht Brujeni Gholamreza (2017)., 19th International Conference on Livestock Health and Herd Management, 11-12 September, Singapore, Singapore.
14. Dog MHC DLA-DRB1 allelic determination using HRM analysis Lankarani Leila, Vahedi Seyed Milad, Nikbakht Brujeni Gholamreza, Jamshidi Shahram (2017)., 11th Iranian veterinary student congress, 5-7 September, Babolsar, Iran.
15. The isolating escherichia coli secretory outer membrane vesicles by using tangential-trans flow filtration Beykzadeh Babak, Nikbakht Brujeni Gholamreza, Eftekhari Zohre, Erfanmanesh Ahmad (2017), 18th International and Iranian congress of microbiology, 29-31 August, Tehran, Iran.
16. Novel Insights into Infection and immunity Nikbakht Brujeni Gholamreza (2016)., 1st Congress of Infection and Immunity, 28-29 September, Shiraz, Iran.
17. Polymorphism of BoLA-DRB 3.2 gene in Iranian Holstein cow using sequence base typing Atefeh Esmailnejad, Nikbakht Brujeni Gholamreza, Ghorbanpoor Reyhaneh (2016)., The 1st International Congress of Large Animal Internal Medicine, 4-6 May, Shiraz, Iran.

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19. Study of K99 prevalence among E.coli isolated from normal and diarrheic calves Alimi Nika Sadat, Yadegari Zahra, Gharebaghy Adel, Lotfollahzadeh Samad, Nikbakht Brujeni Gholamreza (2016)., 19th Iranian Veterinary Congress, 25-27 April, Tehran, Iran.
20. Modern Immunology Milieu in Veterinary Medicine Nikbakht Brujeni Gholamreza (2016)., 19th Iranian veterinary congress, 25-27 April, Tehran, Iran.
21. The effects of ischemia-reperfusion on the gene expression of some drug metabolizing enzymes in the rat liver Arab Hosein Ali, Jamshidian Javad, Nikbakht Brujeni Gholamreza, Sasani Farhangh (2015)., Iran twenty-second congress of Physiology and Pharmacology, 7-11 September.
22. The oral chimeric vaccine candidate Omp19-Omp31 induces protection against Different Abkar Morteza, Lotfi Sahebghadam, Amani Javad, Eskandari Kaveh, M Fasihi, Nikbakht Brujeni Gholamreza (2014)., 12th International Congress of Immunology & Allergy of Iran, 29 April-2 May, Tehran, Iran.
23. Association of chicken Major Histocompatibility Complex with antibody response to vaccine Esmailnejad Atefeh, Nikbakht Brujeni Gholamreza, Khazeni Oskoui Neda (2014)., 12th International Congress of Immunology & Allergy of Iran, 29 April-2 May, Tehran, Iran.
24. Chicken MHC variability in Iranian indigenous breeds Nikbakht Brujeni Gholamreza, Asadian Aaa, Yadegari Zahra, Esmailnejad Atefeh (2014)., 12th International Congress of Immunology & Allergy of Iran, 29 April-2 May, Tehran, Iran.
25. Veterinary Immunogenetics; selection for disease resistance as an approach to the control Nikbakht Brujeni Gholamreza (2014)., 12th International Congress of Immunology & Allergy of Iran, 29 April-2 May, Tehran, Iran.
26. Molecular genotype identification of the major histocompatibility complex in Urmia Esmailnejad Atefeh, Nikbakht Brujeni Gholamreza, Yadegari Zahra, Badavam Maryam (2014)., 12th International Congress of Immunology & Allergy of Iran, 29 April-2 May, Tehran, Iran.
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30. Chicken MHC variability in Iranian indigenous breeds Nikbakht Brujeni Gholamreza, Asadian Aaa, Yadegari Zahra, Esmailnejad Atefeh (2014)., 12th International Congress of Immunology & Allergy of Iran, 29 April-2 May, Tehran, Iran.

31. Brucella abortus Outer Membrane Protein 19 Loaded N-trimethyl Chitosan Confers Abkhezr M, Lotfi Sahebghadam, Amani H, Nikbakht Brujeni Gholamreza (2014)., 12th International Congress of Immunology & Allergy of Iran, 29 April-2 May, Tehran, Iran.
32. Polymorphism identification of BoLA-DRB3.2 gene in Iranian Holstein cattle Ghorbanpoor Reyhaneh, Nikbakht Brujeni Gholamreza, Assadi Behrooz (2014)., 12th International Congress of Immunology & Allergy of Iran, 29 April-2 May, Tehran, Iran.
33. Generation of Egg Yolk Antibodies in Chicken (IgY) Against Influenza M2 (M2e) Protein Nikbakht Brujeni Gholamreza, Jahantigh Monireh, Assadian Farzaneh (2014)., 3RD INTERNATIONAL CONFERENCE ON BIOSCIENCE, BIOCHEMISTRY AND PHARMACEUTICAL SCIENCES (ICBBPS'2014), 11-12 February, Singapore, Singapore.
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35. Effects of ischemia-reperfusion injury on the gene expression of two isoforms of glucuronosyltransferase (UGTS) in ratJamshidian Javad, Arab Hosein Ali, Nikbakht Brujeni Gholamreza, Sasani Farhangh, Afkhani-goli Amir (2013)., 21 st International Iranian Congress of Physiology and Pharmacology, 23-27 August, Tabriz, Iran.
36. DNA design IgY production in poultry, new bridge between genomics and proteomics Amirhossein Jalali, Nikbakht Brujeni Gholamreza, Dariush GHaribi, Mohammadi Ashraf (2013)., National Iranian Biotechnology Congress, 6-8 July, Tehran, Iran.
37. Analysis of the relationship between BOLA-DRB3.2 gene and bovine leukemia virus infection in Iranian Holstein cattle, Atyabi Nahid, Nikbakht Brujeni Gholamreza, Lotfollahzadeh Samad, 2013., ICLAP, 27-28 February, Tehran, Iran.
38. Study of immunoproteomics of Bophylus anulatus larva Nabiyan Sedigheh, Taheri Mohammad, Nikbakht Brujeni Gholamreza, Mazaheri Nezhad Fard Ramin (2012)., 2nd congress of veterinary laboratory science, 12-13 December, Iran, Iran.
39. Detection of the H.pylori-specific antigens in Candida albicans by Western-blotting method Saniee Parastoo, Nikbakht Brujeni Gholamreza, Siavashi Farideh, Khormali Mohmoud, 2012., XXVth International Workshop on Helicobacter and Related Bacteria in Chronic Digestive Inflammation and Gastric Cancer, 13-15 September, Ljubljana, Slovenia.
40. Production of anti-H.pylori immunoglobulin Y (IgY in the chicken egg yolk Parastoo Sanii, Siavashi Farideh, Nikbakht Brujeni Gholamreza, Khormali Mohmoud,)2012., XXVth International Workshop on Helicobacter and Related Bacteria in Chronic Digestive Inflammation and Gastric Cancer, 13-15 September, Ljubljana, Slovenia.
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42. Generation of Egg Yolk Antibodies in Chicken (IgY Against Influenza M2 (M2e Protein
43. Nikbakht Brujeni Gholamreza, Monireh jahantigh, Farzaneh assadian جهان تیغ منیره, 2012, International Conference on Chemical Biological and Medical Sciences, 25-26 August, Kuala Lumpur, Malaysia.

44. Characterization of vitellin from *Rhipicephalus* (*Boophilus annulatus* tick larvae Taheri Mohammad, Nabiyan Sedigheh, Nikbakht Brujeni Gholamreza (2012)., Immunogy and Allergy, 26-28 April, Tehran, Iran.
45. Immune response of mice subsequent genetic immunization with DNA vaccination construct containing *Mycobacterium avium* subsp. *paratuberculosis* heat shock protein 70/AhpC Dariush Gharibi, Delogu Giovanni, Nikbakht Brujeni Gholamreza, Fadda G (2012)., Immunogy and Allergy, 26-28 April, Tehran, Iran.
46. Effects of Ewe Parturition Number and Litter Type on Colostral Immunoglobulin G Concentrations in Fat-tailed Sheep Saiid Taba Tabaii, Nikbakht Brujeni Gholamreza, Mahmood Vatankhah, Alidadi Nasser (2012)., Immunology and Allergy, 26-28 April, Tehran, Iran.
47. Seroprevalence of Bovine Viral Diarrhea Virus Bovine Herpesvirus 1 and Bovine Leukemia Virus in Iranian Cattle and Associations among Studied Agents Saiid Taba Tabaii, Nikbakht Brujeni Gholamreza, Lotfollahzadeh Samad, Nayeri Fasaeei Bahar, Bahonar Ali Reza, Khormali Mohmoud (2012)., Eleventh international congress on immunology and allergy, 26-28 April, Tehran, Iran.
48. Molecular identification and comparison of LEI0258 microsatellite variability in Khorasan Marandi and Arian broiler chickens Atefeh Esmailnejad, Nikbakht Brujeni Gholamreza, Neda Barjesteh 2012., Immunology and Allrgy, 26-28 April, Tehran, Iran.
49. Comparison of PLGA nanoparticle and Freund Adjuvant in Immunization of Laying Hens against *Salmonella Enteritidis* Khormali Mohmoud, Parviz Pakzad, Zahraei Salehi Taghi, Nikbakht Brujeni Gholamreza, 2012. 12th International Congress of Immunology and Allergy, 26-29 April, Tehran, Iran.
50. Evaluation methods of cell-mediated immunity response in birds , Mehdi Marashi Avesta Sadrzadeh, Nikbakht Brujeni Gholamreza, ... 2012, The Third International Veterinary Poultry Congress, 22-23 February, Tehran, Iran.
51. A study of the polymorphism at the mhc (b-f) in khorasan ecotype chicken by pcr-Anahita Nazari, Salehi Abdoalreza, Nikbakht Brujeni Gholamreza, Shojaat Doust Bahram, 2011, Biotechnology, 12-14 September, Tehran, Iran.
52. 2. Studying the effects od certain climatic factors on canine Lyme Borreliosis in three Caspian provinces of Iran Mohsen Hanifeh, Malmasi Abdolali, Nikbakht Brujeni Gholamreza, Nabiyan Sedigheh, Bahonar Ali Reza, Zahraei Salehi Taghi, Rahbari Sadegh (2011)., 17th FECAVA Eurocongress-6thTSAVA Congress, 7-10 September, Istanbul, Turkey.
53. Seroprevalence Geographic Distribution and risk factor analysis of *Borrelia Burgdorferi* Senu Lato in naturally exposed dogs of Iran Mohsen Hanifeh, Malmasi Abdolali, Nikbakht Brujeni Gholamreza, Zahraei Salehi Taghi, Rahbari Sadegh (2011)., 17th FECAVA Eurocongress-6thTSAVA Congress, 7-10 September, Istanbul, Turkey.
54. P53 gene alterations in bovine urinary bladder tumors sasani farhangh, Fashad Baghban, Nikbakht Brujeni Gholamreza, 2011, CUTTING EDGE PATHOLOGY 2011, 7-10 September, Germany.
55. Occurrence and characterisation of enterohaemorrhagic isolates *Escherichia coli* from diarrhoeic calves Zahraei Salehi Taghi, Mehdi Asgari, Nikbakht Brujeni Gholamreza, Madadgar Omid (2011)., XVth international congress on animal hygiene 2011, 3-7 July, Vienna , Austria.

56. Detection of serine protease inhibitors from egg and larvae of tick *Boophilus annulatus* by non reducing SDS-PAGE Nabiyan Sedigheh, Taheri Mohammad, Nikbakht Brujeni Gholamreza, Yousefi Parastoo, 2011, 1st National and 2nd Regional Congress of Parasitology and Parasitic Diseases in Iran, 19-21 October, Tehran, Iran.
57. Association between virulence of infectious bursal disease vaccine strains (IBDV vaccines) and cell-mediated immunity response Mehdi Maashi, Avesta Sadrzadeh, Nikbakht Brujeni Gholamreza, Peighambari Seyed Mostafa, 2010., The Second International Veterinary Poultry Congress, 20-21 February, Tehran, Iran.
58. Trace of a granulated artemisinin derived from *artemisia siberi* in the intestine of the chicken challenged with coccidiosis Arab Hosein Ali, Nabiyan Sedigheh, Jahangir Kabootari, Nikbakht Brujeni Gholamreza, 2009, 9th Congress of Iranian Physiology Pharmacology, 3-6 November, Tehran, Iran.
59. polyclonal Antibody production against bovine serum albumin conjugated artemisinin in rabbit Jahangir Kabootari, Arab Hosein Ali, Alireza Frounmadi, Nikbakht Brujeni Gholamreza, 2007 International congress of veterinary pharmacology pharmaceutical sciences, 4-5 October, Tehran, Iran.

Journals Referee

- 1- Molecular Immunology
- 2- Acta Tropica
- 3- Pathobiology
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