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PERSONAL

Gender: Male

Date of Birth: April 29, 1980

Place of Birth: Tehran, Iran

EDUCATION

Tarbiat Modares University, Tehran, Iran

PhD in Medical Parasitology

September 2011

Dissertation Title: Molecular characterization and genetical comparison Isolate of *Entrocytozoon* spp. and *Encephalitozoon* spp. from human (HIV+), calve, pigeon and free-ranging rats using ribosomal RNA gene

Tarbiat Modares University, Tehran, Iran

MA in Psychology

September 2007

Thesis: Molecular characterization of *Cryptosporidium parvum* isolates in human and cattle by using 18s rRNA gene in Shahriar region

Ferdowsi, Mashhad, Iran

BMLS in Pathobiology

September 2004

Thesis: Investigation of Immunogenicity of crude antigen of adult stage of *Echinococcus granulosus* against secondary hydatidosis in Balb/C

EMPLOYMENT

Post-doctoral Researcher

Tarbiat Modares University, Tehran, Iran

2011—2013

Assistant Professor of Parasitology

Tarbiat Modares University, Tehran, Iran

2014—Present

PUBLICATIONS

1. **Pirestani M, Sadraei J, Dalimi Asl A, Zavvar M, Vaeznia H. Molecular characterization of Cryptosporidium isolates from human and bovine using 18s rRNA gene in shahriar county of Tehran, Iran.** Parasitology Research, **2008**;103:467-472.
2. **Zavvar M, Sadraei J, Emadi H, Pirestani M. The use of a nested PCR-RFLP technique, based on the parasites 18s ribosomal RNA, to characterise Cryptosporidium isolates from HIV/AIDS patients.** Annals of Tropical Medicine & Parasitology, **2008**;102(7):597-601.
3. **Vaeznia, H., Dalimi, A., Sadraei, J., Pirstani, M. Determination of Leishmania species causing cutaneous leishmaniasis in Mashhad by PCR-RFLP method.** Archives of Razi Institute, **2009**;64(1):39-44.
4. **Sajad Rashidi, Javid Sadraei, Mehdi Fruzandeh Moghadam, Majid Pirestani. Isolation and molecular characterization of Toxoplasma gondii strains from Rattus in Tehran.** Jundishapur Journal of Microbiology, **2012**;5(4):537-541.
5. **Pirestani M, Sadraei J, Forouzandeh M. Molecular characterization and genotyping of human related microsporidia in free-ranging and captive pigeons of Tehran, Iran.** Infection, Genetics and Evolution **2013**;20:495-499.
6. **Maryam Fatemeh Sheikholeslami, Javid Sadraei, Parissa Farnia, Mehdi Forouzandeh, Hamid Emadi kochak, Payam Tabarsi, Seyed Alireza Nadji, Majid Pirestani et al. Colonization of Pneumocystis jirovecii in Chronic Obstructive Pulmonary Disease (COPD) patients and the rate of Pneumocystis pneumonia in Iranian non-HIV+ immunocompromised patients,** Iranian Journal of Microbiology, **2013**;5(4): 411-417.
7. **Z. Abrehdari, M. Pirestani, P. Allahdini, E. Safarpour. Characterization of anti-inflammatory responses of norepinephrine in hepatitis induced by LPS: effects on expression of IL-6, TNF- α and iNOS in liver of mice.** Neurochemical Journal, **2014**; 8(3): 193-198.
8. **Amir Abdoli, Majid Pirestani. Are pregnant women with chronic helminth infections more susceptible to congenital infections?** Frontier in microbial immunology, **2014**; 5, 53.
9. **Mirza Ali Mofazzal Jahromi, Sharafaldin Al-Musawi, Majid Pirestani, Mahdi Fasihi Ramandi, et al. Curcumin-loaded Chitosan Tripolyphosphate Nanoparticles as a safe, natural and effective antibiotic inhibits the infection of Staphylococcus aureus and Pseudomonas aeruginosa in vivo.** Iranian Journal of Biotechnology, **2014**;12(3):1-8.
10. **Pirestani M, Dalimi A, Sarvi S, Khoramabadi N. Evaluation of Immunogenicity of Novel Isoform of EG95 (EG95-5G1) From Echinococcus granulosus in BALB/C Mice.** Iranian Journal of Parasitology, **2014**;9(4):491-502.
11. **Abdoli A, Arbabi M, Dalimi A, Pirestani M. Molecular detection of Neospora caninum in house sparrows (Passer domesticus) in Iran.** Avian Pathology, **2015**;44(4):319-22.
12. **Fatemeh Tabatabaie, Zahra Abrehdari Tafreshi, Narges Shahmohammad, Majid Pirestani. Molecular detection of microsporidiosis in various samples of Iranian immunocompromised patients,** Journal of Parasitic Disease, **2015**;39(4): 634-638.
13. **Simin Bari, Shahabeddin Sarvi, Ahmad Daryani, Hajar Ziaeei Hezarjaribi, Mohsen Arbabi, Majid Pirestani, Azadeh Mizani. Dicrocoelium dentriticum infection among domestic animals in iran: A systematic review and meta-analysis.** The Journal of Mazandaran University of Medical Sciences, **2016**;25(132):367-375.
14. **Arbabi M, Abdoli A, Dalimi A, Pirestani M. Identification of latent neosporosis in sheep in Tehran, Iran**

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15. Abdoli A, Barati M, Dalimi A, **Pirestani M**, Hoseini Shokouh S J. **Toxoplasmosis Among Patients with Immunocompromising Conditions: A Snapshot,** Journal of Archives in Military Medicine. 2016 ; 4(4):e41832.
16. Badri M, Eslahi AV, Majidiani H, **Pirestani M.** **Spirometra erinaceieuropaei in a wildcat (Felis silvestris) in Iran.** Veterinary Parasitology: Regional Studies and Reports. 2017;10:58-61.
17. Arbabi M, **Pirestani M**, Delavari M, Hooshyar H, Abdoli A, Sarvi S. **Molecular and morphological characterizations of Echinococcus granulosus from human and animal isolates in Kashan, Isfahan Province, Iran.** Iranian journal of parasitology. 2017;12(2):177-187.
18. Mohammadiha A, Dalimi A, Mahmoodi MR, Parian M, **Pirestani M**, Mohebbali M. **The PCR-RFLP-based detection and identification of the Leishmania species causing human cutaneous leishmaniasis in the Khorasan-Razavi Province, Northeast of Iran.** Journal of arthropod-borne diseases. 2017;11(3):383-392.
19. Mazaheri N, Dalimi A, **Pirestani M**, Jameie F, Mohebbali M, Rokni MB. **Construction and identification of a recombinant plasmid encoding Echinococcus granulosus oncosphere antigen (EG95).** Iranian journal of parasitology. 2017;12(4):490-497.
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21. Abdoli A, Ghaffarifar F, **Pirestani M.** **Neglected risk factors of childhood morbidity and mortality caused by Cryptosporidium infection.** The Lancet Global Health. 2018;6(10):e1068.
22. Rahimian F, Sadraei J, **Pirestani M**, Ghaffarifar F. **A modified PCR-RFLP method to determine genetic diversity of Giardia lamblia human isolates based on triosephosphate isomerase (TPI) gene.** Acta tropica. 2018;186:58-62.
23. Sadraei J, Dalimi A, **Pirestani M.** **Isolation of Encephalitozoon intestinalis from crows living in urban parks of Tehran, Iran: an investigation with zoonotic aspect.** Journal of parasitic diseases. 2018;42(4):494-9.
24. Abdoli A, Arbabi M, **Pirestani M**, Mirzaghavami M, Ghaffarifar F, Dalimi A, Sadraei J. **Molecular assessment of Neospora caninum and Toxoplasma gondii in hooded crows (Corvus cornix) in Tehran, Iran.** Comparative immunology, microbiology and infectious diseases. 2018;57:69-73.
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26. Heidarnejadi SM, Rafiei A, Makvandi M, **Pirestani M**, Saki J, Ghadiri A. **Gene Profile Expression Related to Type I Interferons in HT-29 Cells Exposed to Cryptosporidium parvum.** Jundishapur Journal of Microbiology. 2018;11(7): e63071.
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28. Safiri S, Sepanlou SG, Ikuta KS, Bisignano C, Salimzadeh H, Delavari A, Ansari R, Roshandel G, Merat S,

- Fitzmaurice C, Force LM, et al. **The global, regional, and national burden of colorectal cancer and its attributable risk factors in 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017.** *The Lancet Gastroenterology & Hepatology.* 2019;4(12):913-33.
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31. Hedayati Z, Daryani A, Sarvi S, Gholami S, Sharif M, **Pirestani M**, Dodangeh S, Bari S, Gholami S, Mizani A, Hosseini SA. **Molecular Genotyping of the Human Cystic Echinococcosis in Mazandaran Province, North of Iran.** *Iranian journal of parasitology.* 2019 Jan;14(1):151.
32. Asghari A, Sadraei J, **Pirestani M**, Mohammadpour I. **First molecular identification and subtype distribution of Blastocystis sp. isolated from hooded crows (Corvus cornix) and pigeons (Columba livia) in Tehran Province, Iran.** *Comparative immunology, microbiology and infectious diseases.* 2019;62:25-30.
33. Abdoli A, Barati M, **Pirestani M**, Dalimi A. **Screening of toxoplasmosis in cancer patients: a concern.** *Tropical doctor.* 2019;49(1):31-4.
34. Abhari FM, **Pirestani M**, Dalimi A. **Anti-amoebic activity of a cecropin-melittin hybrid peptide (CM11) against trophozoites of Entamoeba histolytica.** *Wiener klinische Wochenschrift.* 2019;131(17-18):427-34.
35. Saman IA, Dayer MS, **Pirestani M**. **Biodiversity, Leishmania genetic typing and host identification of phlebotomine species in endemic foci of southeastern Iran.** *Heliyon.* 2019;5(9):e02369.
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37. Ghaffari AD, Dalimi A, Ghaffarifar F, **Pirestani M**. **Structural predication and antigenic analysis of ROP16 protein utilizing immunoinformatics methods in order to identification of a vaccine against Toxoplasma gondii: An in silico approach.** *Microbial Pathogenesis.* 2020 May 1;142:104079.
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41. Barati M, Taghipour A, Bakhshi B, Shams S, **Pirestani M**. **Prevalence of intestinal parasitic infections and Campylobacter spp. among children with gastrointestinal disorders in Tehran, Iran.** *Parasite Epidemiology and Control.* 2021 May 1;13:e00207.

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44. Ledesma JR, Ma J, Vongpradith A, Maddison ER, Novotney A, Biehl MH, LeGrand KE, Ross JM, Jahagirdar D, Bryazka D, Feldman R..., **Pirestani M**. **Global, regional, and national sex differences in the global burden of tuberculosis by HIV status, 1990–2019: results from the Global Burden of Disease Study 2019**. The Lancet Infectious Diseases. 2021 Sep 23.
45. Johkool MG, Eslahi AV, Badri M, Hooshmand E, **Pirestani M**, Jablonski D, Jafari R, Dalimi A. **Molecular and Morphological Data Confirmed First Record of *Abbreviata kazakhstanica* Markov and Paraskiv, 1956 (Spirurida: Physalopteridea) in Iran**. Iranian Journal of Parasitology. 2021 Oct;16(4):686.
46. Ghaffari AD, Dalimi A, Ghaffarifar F, **Pirestani M**, Majidiani H. **Immunoinformatic analysis of immunogenic B-and T-cell epitopes of MIC4 protein to designing a vaccine candidate against *Toxoplasma gondii* through an in-silico approach**. Clinical and Experimental Vaccine Research. 2021 Jan;10(1):59.
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51. Motamedpour L, Dalimi A, Pirestani M, Ghaffarifar F. **In silico analysis and expression of a new chimeric antigen as a vaccine candidate against cutaneous leishmaniasis**. Iranian Journal of Basic Medical Sciences. 2020 Nov;23(11):1409.
52. Majidiani H, Dalimi A, Ghaffarifar F, **Pirestani M**, Ghaffari AD. **Computational probing of *Toxoplasma gondii* major surface antigen 1 (SAG1) for enhanced vaccine design against toxoplasmosis**. Microbial pathogenesis. 2020 Oct 1;147:104386.
53. Ghaffari AD, Dalimi A, Ghaffarifar F, **Pirestani M**. **Antigenic properties of dense granule antigen 12 protein using bioinformatics tools in order to improve vaccine design against *Toxoplasma gondii***. Clinical and Experimental Vaccine Research. 2020 Jul;9(2):81.
54. Sheikh S, Asghari A, Sadraei J, **Pirestani M**, Zare M. ***Blastocystis* sp. subtype 9: as the first reported subtype in patients with schizophrenia in Iran**. SN Comprehensive Clinical Medicine. 2020 May;2(5):633-9.
55. Shamsinia S, Dalimi A, **Pirestani M**. **Is Toxoplasmosis a risk factor in diabetic patients in Tehran?** Infection Epidemiology and Microbiology. 2019 Sep 10;5(3):49-59.

SKILLS

Language - English

Skills - Microsoft Office, PowerPoint, PRISM, SPSS, Bioinformatics software

Personal Interests - Music, running sports, football, volleyball, swimming