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CONTACT INFORMATION

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ACADEMIC POSITION:

Assistant professor in Infectious and Tropical Diseases Research Center, Tabriz
University of Medical Sciences, Tabriz, Iran

PERSONAL INFORMATION

Date of Birth: March 21, 1980
Nationality: Iranian

EDUCATIONAL BACKGROUND

- 2016 **Medical Biotechnology**
 Tabriz university
- 2012 **Biotechnology**
 zanzan university
- 2002 **Agriculture engineering**
 Urmia University

PUBLICATIONS

A) JOURNAL PAPERS

1. DsbC chaperone mediated soluble expression of human TNF-alpha in E. coli
H Dariushnejad, S Farajnia, N Zargami, SA Khosroshahi, L Rahbarnia
Minerva Biotechnologica 2018, 30 (1), 14-21.
2. Development of a Novel Human scFv Against EGFR L2 Domain by Phage Display
Technology, L Rahbarnia, S Farajnia, H Babaei, J Majidi, K Veisi, S Ahdi Khosroshahi,
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- 3.Immunotoxins in cancer therapy: Review and update, B Akbari, S Farajnia, S Ahdi
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- 5.Construction, expression, and activity of a novel immunotoxin comprising a humanized
antiepidermal growth factor receptor scFv and modified Pseudomonas aeruginosa exotoxin A
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- 6.Development of a Novel Human Single Chain Antibody Against EGFRVIII Antigen by Phage
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pharmaceutical bulletin 2016, 6 (4), 563.
- 7.Isolation and characterization of a novel human scFv inhibiting EGFR vIII expressing cancers
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- 8.Design, expression and evaluation of a novel humanized single chain antibody against

- epidermal growth factor receptor (EGFR). B Akbari, S Farajnia, N Zarghami, N Mahdieh, M Rahmati, L Rahbarnia. Protein expression and purification 2016, 127, 8-15.
9. Invert biopanning: A novel method for efficient and rapid isolation of scFvs by phage display technology. L Rahbarnia, S Farajnia, H Babaei, J Majidi, K Veisi, A Tanomand, ...Biologicals 2016, 44 (6), 567-573.
10. Development and evaluation of a single domain antibody against human epidermal growth factor receptor (EGFR). SA Khosroshahi, S Farajnia, M Ghiamirad, A Tanomand, K Veisi, L Rahbarnia. Protein expression and purification. 2016, 120, 59-64.
11. Protective efficacy of recombinant exotoxin A—flagellin fusion protein against Pseudomonas aeruginosa infection. S Farajnia, SN Peerayeh, A Tanomand, J Majidi, G Goudarzi, B Naghili, L Rahbarnia. Canadian journal of microbiology. 2014, 61 (1), 60-64.
12. Development trends for generation of single-chain antibody fragments. S Farajnia, V Ahmadzadeh, A Tanomand, K Veisi, SA Khosroshahi, L Rahbarnia. Immunopharmacology and immunotoxicology. 2014, 36 (5), 297-308.
13. Cloning and expression of the variable regions of anti-EGFR monoclonal antibody in E. coli for production of a single chain antibody. F Jalalypour, S Farajnia, F Mahmoudi, B Baradaran, D Farajzadeh, L Rahbarnia. Iranian Journal of Biotechnology 2014, 12 (2), 9-14.
14. Isolation of human SCFV antibody against EGFR L2 domain by screening of human SCFV phage library. L Rahbarnia, S Farajnia, V Ahmadzadeh, 2013
1st Tabriz International Life Science Conference and 12th Iran Biophysical ...
15. Tongue carcinoma; case series and demographic analysis
M Naderpour, S Farajnia, G Bayazian, M Halimi, S Ghiasi, L Rahbarnia
Journal of Analytical Research in Clinical Medicine 2013, 1 (1), 50-55.
16. Application of DsbA signal peptide for soluble expression of Leishmania infantum P4 nuclease in E. coli, L Rahbarnia, S Farajnia, B Naghili. Asian Journal of Animal and Veterinary Advances 2012, 7 (4), 326-333.
17. Seroprevalence of Helicobacter pylori infection in patients suffering from gastric symptoms in the Northwest of Iran. S Montazer-Saheb, S Farajnia, N Saeedi, R Yousefzadeh, A Rafat, L Rahbarnia. African Journal of Microbiology Research 2011, 5 (22), 3616-3619.

- 18. Molecular cloning and characterization of P4 nuclease from Leishmania infantum**
S Farajnia, L Rahbarnia, MH Alimohammadian, S Abdoli Oskoe, ...Enzyme research 2011
- 19. Prevalence of human papillomavirus in oral squamous cell carcinoma patients of Tabriz, Iran.** L Rahbarnia, S Farajnia, G Bayazian, M Naderpour, H Feizi. Crescent Journal of Medical and Biological Sciences 2018, 5 (2) .
- 20. Incidence of Oxacillin-Susceptible mecA-Positive Staphylococcus aureus (OS-MRSA) Isolates and TSST-1 Virulence Factor Among High School Students in Tabriz, Northwest of Iran.**SZ Ahrabi, L Rahbarnia, A Dehnad, B Naghili, MHG Agdam, A Nazari
Archives of Clinical Infectious Diseases.2019. 14 (4)
- 21. Yeast expression systems: overview and recent advances**
R Baghban, S Farajnia, M Rajabibazl, Y Ghasemi, AA Mafi, R Hoseinpoor, L.Rahbarnia
Molecular biotechnology.2019. 61 (5), 365-384
- 22. CRISPR-Cas system: Toward a more efficient technology for genome editing and beyond**
V Ahmadzadeh, S Farajnia, R Baghban, L Rahbarnia, H Zarredar
Journal of Cellular Biochemistry.2019. 120 (10), 16379-16392
- 23. Current trends in targeted therapy for drug-resistant infections**
L Rahbarnia, S Farajnia, B Naghili, V Ahmadzadeh, K Veisi, R Baghban, ...
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- 24. Nasal and extra nasal MRSA colonization in hemodialysis patients of north-west of Iran**
FR Ghavghani, L Rahbarnia, B Naghili, A Dehnad, A Bazmani, ...
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- 25. Detection of blaOXA-23 and blaNDM-1 carbapenemase among clinical isolates of A. baumannii in Tabriz, north-west of Iran**
L Rahbarnia, S Farajnia, H Khaneshi, H Farajnia, B Naghili, A Tanomand
Gene Reports .2020. 18, 100555.
- 26. Detection of hemolysine genes in methicillin-resistant S. aureus isolates obtained from a healthy population in north-west of Iran**
A Dehnad, MHG Agdam, L Rahbarnia, B Naghili, P Saffarian
Gene Reports 2020; 21, 100874.
- 27. New Developments in Anti-Angiogenic Therapy of Cancer, Review and Update.**
S Ghasemali, S Farajnia, A Barzegar, M Rahmati-Yamchi, R Baghban, L.rahbarnia
Anti-cancer Agents in Medicinal Chemistry.2020.
- 28. Cytoplasmic chaperones enhance soluble expression of anti-egfr huscfv in escherichia coli**
A Nazari, S Farajnia, S Zahri, N Bagherlou, A Tanoumand, L Rahbarnia
Iranian Journal of Biotechnology .2020.18 (2), 66-73.

29. Anti-cancer Immunotoxins, Challenges, and Approaches

**M Dashtiahangar, L Rahbarnia, S Farajnia, A Salmaninejad, AG Shabgah, ...
Current Pharmaceutical Design.2021.**

30. Shadman Z, Farajnia S, Pazhang M, Tohidkia M, Rahbarnia L, Najavand S, Toraby S. Isolation and characterizations of a novel recombinant scFv antibody against exotoxin A of Pseudomonas aeruginosa. BMC Infectious Diseases. 2021 Dec;21(1):1-9.

31. Saadati M, Rahbarnia L, Farajnia S, Naghili B, Mohammadzadeh R. The prevalence of biofilm encoding genes in multidrug-resistant Acinetobacter baumannii isolates. Gene Reports. 2021 Jun 1;23:101094.

32. Long non-coding RNAs as potential biomarkers in the prognosis and diagnosis of lung cancer: A review and target analysis.Y Aftabi, K Ansarin, D Shanehbandi, M Khalili, E Seyedrezazadeh, ... IUBMB life 73 (2), 307-327.

