

CURRICULUM VITAE



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Marjan Mohammadi

Position

Associate Professor, Senior Faculty Member

Biotechnology Department, Pasteur Institute of Iran, Tehran, Iran

Head of HPGC Research Group

- Member of the Patent Committee, Pasteur Institute of Iran
- Member of Steering Committee, National Cancer Network
- Member of Research Council, National Cancer Network
- Associate Editor of JoMMID, Pasteur Institute of Iran

Education

1998	Post Doc, Biotechnology, Case Western Reserve University, Ohio, USA
1991-1996	Ph.D., Immunology, Case Western Reserve University, Ohio, USA
1988-1991	MS.c., Biology, Case Western Reserve University, Ohio, USA

Category of Research

Medical Biotechnology

Active Research Areas

1. Evaluation of the expression of stem cell (LGR5 & TROY) and gastric (Muc5AC) markers in mouse precancerous lesions mouse and human gastric cancer
2. Development of the cell culture platform and depiction of the time-map of the molecular cascade of gastric intestinalization caused by Helicobacter pylori infection

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- via tracing key biomarkers and their validation in an animal model.
3. Cloning, expression and purification of *Helicobacter pylori* recombinant proteins for serological screening purposes
 4. Identification of biomarkers for early detection of gastric cancer
 5. Functional assays for determining toxicity of Iranian HP strains
 6. Development of serologic detection assays using native HP antigens
 7. Molecular analysis of host cytokine expression toward HP infection by RT-PCR
 8. Two dimensional gel electrophoresis of Tox-positive and negative strains of HP strains
 9. Genotyping Iranian HP strains for conserved and non-conserved genes such as ureABC, cagA, vacA, iceA, babA, dupA, etc.
 10. Development of small animal model using clinical strains of HP for drug therapeutic and vaccine trials
 11. Microbial and molecular analysis of antibiotic resistance of Iranian HP strains
 12. RAPD fingerprinting of local HP strains

Projects/Grants

1. Evaluation of the expression of stem cell (LGR5 & TROY) and gastric (Muc5AC) markers in mouse precancerous lesions mouse and human gastric cancer. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 2015**
2. Development of the cell culture platform and depiction of the time-map of the molecular cascade of gastric intestinalization caused by *Helicobacter pylori* infection via tracing key biomarkers and their validation in an animal model. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 2014**
3. Evaluation of expression of stem cell markers (LGR5 , TROY) in gastric cancerous tissue of mouse and human. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 2014**
4. Cloning, expression and purification of *Helicobacter pylori* Tumor Necrosis Factor- α Inducing Protein (Tip- α) for serological screening purposes. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 2011**
5. Identification of biomarkers for early detection of gastric cancer through genomics and proteomics approach. **Funded by: Islamic Development Bank, Saudi Arabia, 2008**

6. Genotyping and phenotyping of colonization factors (babA and babB) in Iranian Helicobacter pylori strains. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 2008**
7. Identification of biologic markers in serum of Helicobacter pylori infected gastric cancer patients. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 2008**
8. Cloning, expression and purification of protein fragments from cytotoxin-associated gene (cagA) from Iranian isolated Helicobacter pylori strains for serological screening purposes. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 2007**
9. Assessment and evaluation of protein profiling of Helicobacter pylori strains isolated from Iranian and European patients via 2 dimensional gel electrophoresis. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 2007**
10. Determination of toxicity of Iranian Helicobacter pylori strains; From Gene to Protein to Function, Application to Diagnostics and Patient Screening. **Funded by: COMSTECH, EMRO, World Health Organization, 2005**
11. Identification of the prevalence of gastric Helicobacter spp by PCR in stray and domestic cats in Tehran province. **Funded by: Veterinary Department, Tehran University Tehran, Iran, 2003**
12. Evaluation of antibiotic resistance in Helicobacter pylori via molecular assays. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 2003**
13. Development of serologic kit for diagnosis of Helicobacter pylori infection. **Funded by: National Biotechnology Network, Tehran, Iran, 2002**
14. Etiology of gastric cancer in Iran and Sweden. **Co-Funded by: Karolinska Institute & Iranian Ministry of Health, 2002**
15. Antigenic characterization of Iranian Helicobacter pylori strains. **Co-Funded by: Iran-Austria Collaborative Projects, 2000**
16. Characterization of the host cellular immune responses toward Helicobacter pylori infection and correlation with the associated disease. **Funded by: The Third World Academy of Sciences. Trieste, Italy, 2001**
17. PCR-RFLP analysis of conserved and non-conserved genes of Helicobacter pylori strains isolated from Iranian dyspeptic patients. **Funded by: Societe de Pathologie Exotique, Paris, France, 2000**
18. Genotyping Iranian Helicobacter pylori strains for virulence markers. **Funded by: International Society for Infectious Diseases, Boston, USA, 1999**

19. Establishment of an animal model for Helicobacter pylori infection. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 1998**
20. Development of recombinant vaccine against Helicobacter pylori infection. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 1998**

Student Dissertations

1. Development of the cell culture platform and depiction of the time-map of the molecular cascade of gastric intestinalization caused by Helicobacter pylori infection via tracing key biomarkers and their validation in an animal model. Samaneh Saberi, **PhD, Pasteur Institute of Iran, Tehran, Iran, 2014**
2. Evaluation of the expression of gastric (MUC5AC) and stem cell(LGR5,TROY) markers in tumor and adjacent tissues of patients with intestinal type gastric adenocarcinoma, Sarah Momtazkari, **MS.c, Azad university, 2014**
3. Assessment of the Expression of Gastric (MUC5AC) and Stem Cell Markers (Lgr5, Troy) in a gastric cancer mouse model. Toktam Karimi, **MS.c, Payamnoor University, 2014**
4. Cloning and expression of Helicobacter pylori HP0175 gene in E.coli for serologic screening purposes of dyspeptic patients, Akbar Oghalaie **MS.c., Azad university, 2014**
5. Association of miR-21 expression with gastric cancer in tissue and serum specimens of H. pylori infected patients, Zana Karimi Kurdestani, **Ph.D., Azad university, 2014**
6. Cloning and expression of Helicobacter pylori napA gene in E.coli for serologic screening of dyspeptic patients, Mohsen Doozbakhshan, **MS.c., Azad university, 2013**
7. Evaluation of Helicobacter pylori virulence factors: cagA, vacA, hom and single-nucleotide polymorphism of IL-8-251 T>A and their association with Gastric Cancr in Tehran, Tannaz Samadi, **MS.c., Azad university, 2013**
8. Co-evaluation of Helicobacter pylori virulence factors (cagA,vacA) and single-nucleotide polymorphism of IL-6 and their association with gastric cancer development, Negin Zarrin, **MS.c., Azad university, 2012**
9. Evaluation of serum biomarkers for screening of H. pylori-associated gastrointestinal diseases. Naghmeh Salarieh, **MS.c., Azad university, 2012**
10. Cloning & expression of Helicobacter pylori cagA C domain for screening high risk

- populations through a Western blotting assay. Maryam Esmailie, **MS.c., Azad university, 2012**
11. Generation of recombinant Helicobacter pylori ghosts by PhiX174 E-mediated mechanism as a putative vaccine candidate. Yeganeh Talebkhan, **Ph.D., Pasteur Institute of Iran, 2010**
 12. Sero-epidemiology of Helicobacter infection in outpatient children referring to two clinical centers of Tehran. Bahareh Rabti, **Pharm.D, Azad University of Pharmacology, 2009**
 13. Proteomics analysis of two strains of Helicobacter pylori isolated from Iranian and Danish patients. Parvaneh Saffaryan, **MS.c., Azad University, 2009**
 14. Determination of toxicity of Iranian Helicobacter pylori strains: From gene to protein to function. Masoumeh Douraghi, **Ph.D., Tehran University of Medical Science, 2009**
 15. Analyzing of babA and babB in Iranian Helicobacter pylori strains. Samaneh Saberi, **MS.c., Azad University, 2009**
 16. Evaluation of the prevalence and pathologic study of Helicobacter ssp in domestic and stray dogs in biopsy samples collected by gastroscopy and their antibiotic sensitivities. Ali Shabestari Asl, **Ph.D., Tehran University of Veterinary Medicine, 2008**
 17. Cloning, expression and purification of C-terminal and N-terminal fragments of cytotoxin-associated gene (cagA) in Iranian isolated Helicobacter pylori strains for serological screening purposes. Zeinab Karimi, **MS.c., Pasteur institute of Iran, 2007**
 18. Cloning, expression and purification of two C-terminal fragments of cytotoxin-associated gene (cagA) in Iranian isolated Helicobacter pylori strains for serological screening purposes. Nadereh Afkhami, **MS.c., Shahid beheshti University, 2007**
 19. Experimental study of pathogenesis of chronic gastritis with human isolates of H. pylori in cats. Javad Khoshnegah, **Ph.D., Tehran University, 2006**
 20. Evaluation of Helicobacter pylori immunogenic proteins for screening purposes. Leili Zamaninia, **M.Sc., Azad University, 2006**
 21. Identification of the prevalence of gastric Helicobacter spp by PCR in stray and domestic cats in Tehran province. Baharak Akhtardanesh, **Ph.D., Tehran University, 2005**
 22. Genotyping and phenotyping Helicobacter pylori strains in gastric cancer patients.

- Masoud Ghaffarpour, **MS.c., Shahid Beheshti University, 2005**
23. Cloning and Expression of Helicobacter pylori vacuolating cytotoxin in E. coli. Yeganeh Talebkhan, **MS.c., Tarbiat Modarres University, 2003**
24. Detection of prevalence of Helicobacter pylori cagA via PCR-RFLP. Mohammad Hamid, **MS.c., Azad University, 2002**
25. Cloning and expression of Helicobacter pylori urease in E. coli. Mohsen Karimi, **MS.c., Tehran University, 2001**
26. The role of Helicobacter pylori infection in histopathologic gastritis. Alireza Rezaie Manesh, **M.D., Tehran Medical University, 2000**
27. Detection of Helicobacter pylori by polymerase chain reaction. Azadeh Jazini, **M.D., Shahid Beheshti University, 1998**

Trainings

- Introduction to Cancer Epidemiology, **July 2011, International Agency on Cancer Research, IARC, Lyon, France**
- Research training in medicine and the health sciences, **August 13 - August 31, 2012 , Erasmus University, Rotterdam, the Netherlands**

Courses attended:

1. The Why and How of Readable Articles
2. ESP48 Causal Inference
3. ESP41 Introduction to Global Public Health
4. ESP40 Case-control Studies
5. ESP39 Cohort Studies
6. ESP38 Conceptual Foundation of Epidemiologic Study Design
7. ESP25 Health Economics

Patents and Publications

Patents

1. Development of Helicobacter pylori bacterial ghost as a putative vaccine. **2013**
2. Development of cagA C domain of Helicobacter pylori for serologic screening. **2012**

Books

1. **Marjan Mohammadi**, Samaneh Saberi Kashani, Yeganeh Talebkhan Garoosi, Sahar Jahangiri Tazehkand, In vivo measurement of Helicobacter pylori infection: Culture, Urease test, Serology, Stool-based PCR, Chapter 26. In: Houghton J, ed. Methods in

Molecular Biology: *Helicobacter pylori* species. Totowa, NJ: Humana Press,
Methods Mol Biol. [2012](#);921:239-56

Articles

1. Saberi S, Esmaili M, Abdirad A, Eshagh Hosseini M, Mohagheghi MA, and **Mohammadi M**. Duodenal ulcer patients are infected with *Helicobacter pylori* strains which produce nonfunctional BabA proteins. Under Preparation.
2. Eybpoosh S, Talebkhan Y, Saberi S, Esmaili M, Oghalaie A, Ebrahimzadeh F, Abdirad A, Nahvijou A, Mohagheghi MA, Eshagh Hosseini M, and **Mohammadi M**. The discrimination power of *Helicobacter pylori* sero-status and serum pepsinogen levels in gastric cancer screening is age dependent. Under Preparation.
3. Karimi Z, Saberi S, Talebkhan Y, Oghalaie A, Esmaili M, Mohajerani N, Bababeik M, Hassanpour P, Barani Sh, Farjaddoost A, Ebrahimzadeh F, Trejaut J, and **Mohammadi M**. Distribution of cytokine gene single nucleotide polymorphisms among a multi-ethnic Iranian population. **Advanced Biomedical Research**. 2015. Under Publication.
4. **Mohammadi M**. The Tall Tale of the *Helicobacter pylori* Blood Group Antigen Binding Proteins, **J Med Microbiol Infec Dis**, 2014; **1 (2): 5 Pages**
5. Karami N, Talebkhan Y, Saberi S, Esmaili M, Oghalaie A, Abdirad A, Mostafavi E, Hosseini ME, Mohagheghi MA, **Mohammadi M**. Seroreactivity to *Helicobacter pylori* Antigens as a Risk Indicator of Gastric Cancer. **Asian Pac J Cancer Prev**. 2013;14(3):1813-1817
6. Saberi S, Zendehtdel K, Jahangiri S, Talebkhan Y, Abdirad A, Mohajerani N, Bababeik M, Karami N, Esmaili M, Oghalaie A, Hassanpour P, Amini N, Mohagheghi MA, Eshagh Hossieni M, **Mohammadi M**. Impact of Methylenetetrahydrofolate Reductase C677T Polymorphism on the Risk of Gastric Cancer and Its Interaction with *Helicobacter pylori* Infection. **Iran Biomed J**. 2012 Oct;16(4):179-84.
7. Saberi S, Douraghi M, Azadmanesh K, Shokrgozard MA, Zeraatie H, Eshagh Hosseini M, Mohagheghi MA, Parsaeian M, **Mohammadi M**. A potential association between *Helicobacter pylori* cagA EPIYA and multimerization motifs with cytokeratin 18 cleavage rate during early apoptosis. **Helicobacter**. 2012 Oct;17(5):350-357.
8. Talebkhan Y, Ebrahimzadeh F, Esmaili M, Zamaninia L, Nahvijoo A, Khedmat H, Fereidooni F, Mohagheghi MA, **Mohammadi M**. *Helicobacter pylori* Omp18 and its

- application in serologic screening of infection. **Curr Microbiol.** **2011 Jan**;62(1):325-30.
9. Talebkhan Y, Bababeik M, Esmaili M, Oghalaei A, Saberi S, Karimi Z, Afkhami N, **Mohammadi M.** Helicobacter pylori bacterial ghost containing recombinant Omp18 as a putative vaccine. **J Microbiol Methods.** **2010 Sep**;82(3):334-7.
 10. Douraghi M, Saberi Kashani S, Shokrgozar MA, Oghalaie A, Esmaili M, Bababeik M, Shirazi MS, Mohagheghi MA, **Mohammadi M.** Characterization of the vacuolating cytotoxin in Helicobacter pylori strains isolated from Iran. **Yakhte.** **2010**;12 (1), 1-6
 11. Douraghi M, Saberi Kashani S, Zeraati H, Esmaili M, Oghalaie A, **Mohammadi M.** Comparative evaluation of three supplements for Helicobacter pylori growth in liquid culture. **Curr Microbiol.** **2010 Apr**;60(4):254-62.
 12. Shojaee Tabrizi A, Jamshidi S, Oghalaei A, Zahraei Salehi T, Bayati Eshkaftaki A, **Mohammadi M.** Identification of Helicobacter spp. in oral secretions vs. gastric mucosa of stray cats. **Veterinary Microbiology.** **2010**;140(1-2):142-6
 13. Shojaee Tabrizi A, Jamshidi Sh, Oghalaei A, Zahraei Salehi T, Bayati Eshkaftaki A, **Mohammadi M.** Identification of Helicobacter spp. in oral secretions vs. gastric mucosa of stray cats. **Vet Microbiol.** **2010 Jan 6**;140(1-2):142-6.
 14. Talebkhan Y, **Mohammadi M,** Rakhshani N, Abdirad A, Fayaz Moughadam K, Fereidooni F. Interobserver variations in histopathological assessment of gastric pathology. **Pathology.** **2009**;41(5):428-32.
 15. Douraghi M, Talebkhan Y, Zeraati H, Ebrahimzadeh F, Nahvijoo A, Morakabati A, Ghafarpour M, Esmaili M, Bababeik M, Oghalaie A, Rakhshani N, Hosseini ME, Mohagheghi MA, **Mohammadi M.** Multiple gene status in Helicobacter pylori strains and risk of gastric cancer development. **Digestion.** **2009**;80(3):200-7.
 16. Douraghi M, **Mohammadi M,** Shirazi MH, Oghalaie A, Saberi Kashani S, Mohagheghi MA, Eshagh Hosseini M, Zeraati H, Esmaili M, Bababeik M, Mohajerani N. Simultaneous detection of cagA and cagE of Helicobacter pylori strains recovered from Iranian patients with different gastroduodenal diseases. **Iranian Journal of public Health.** **2009**;38(2).
 17. Douraghi M, **Mohammadi M,** Shirazi MH, Esmaili M, Bababeik M, Saberi S, Oghalaie A, Mohajerani N. Assessment the relationship of cagA gene with different gastroduodenal diseases in Helicobacter pylori infected patients. **Iranian journal of**

- medical microbiology. 2008;2 (1): 31-36.**
18. Shabestari AS, **Mohammadi M**, Jamshidi S, Sasani F, Bahadori A, Oghalaie A. Assessment of chronic gastritis in pet dogs and its relation with helicobacter-like organisms. **Pak J Biol Sci. 2008 Jun 1;11(11):1443-8.**
 19. Douraghi M, **Mohammadi M**, Oghalaie A, Abdirad A, Mohagheghi MA, Hosseini ME, Zeraati H, Ghasemi A, Esmaili M, Mohajerani N. dupA as a risk determinant in Helicobacter pylori infection. **J Med Microbiol. 2008 May;57(Pt 5):554-62.**
 20. **Mohammadi M**, Talebkhan Y, Khalili G, Mahboudi F, Massarrat S, Zamaninia L, Oghalaei A. Advantage of using a home-made ELISA kit for detection of Helicobacter pylori infection over commercially imported kits. **Indian J Med Microbiol. 2008 Apr-Jun;26(2):127-31.**
 21. Khoshnegah J, Jamshidi SH, **Mohammadi M**, Shojaei A, Mohajerani N, Zahraei T. Experimental infection of stray cats with human isolates of Helicobacter pylori. **Iranian Journal of Veterinary Research. 2008;9(2):150-157.**
 22. Hussein NR, **Mohammadi M**, Talebkhan Y, Doraghi M, Letley DP, Muhammad MK, Argent RH, Atherton JC. Differences in virulence markers between Helicobacter pylori strains from Iraq and those from Iran: potential importance of regional differences in H. pylori-associated disease. **J Clin Microbiol. 2008 May;46(5):1774-9.**
 23. Talebkhan Y, **Mohammadi M**, Mohagheghi MA, Vaziri HR, Eshagh Hosseini M, Mohajerani N, Oghalaei A, Esmaili M, Zamaninia L. cagA gene and protein status among Iranian Helicobacter pylori strains. **Dig Dis Sci. 2008 Apr;53(4):925-32**
 24. Jamshidi Sh, Akhtardanesh B, **Mohammadi M**, Sasani F, Bokaie S, Zahraiee T, Dehghan M. Evaluation of various diagnostic methods for determination of gastric Helicobacters in cat. **Veterinary Research. 2007;62 (3):161-166.**
 25. Rhead JL, Letley DP, **Mohammadi M**, Hussein N, Mohagheghi MA, Eshagh Hosseini M, Atherton JC. A new Helicobacter pylori vacuolating cytotoxin determinant, the intermediate region, is associated with gastric cancer. **Gastroenterology. 2007 Sep;133(3):926-36.**
 26. khtardanesh B, **Mohammadi M**, Jamshidi S, Sassani F, Bokaie S. Clinical significance of Helicobacter infection in gastric mucosa of cats. **OVJR. 2006;10 (2):177 - 201.**
 27. Akhtardanesh B, Jamshidi S, Sasani F, **Mohammadi M**, Bokaie S. Helicobacter spp.

- infection and development of gastric lesions in domestic and stray cats. **Veterinary Arhiv.** **2006**;76(6):479-488.
28. Talebkhan Y, **Mohammadi M**, Khalili G, Haj-sheykholeslami A, Rakhshani N, Mahboudi F, Massarrat S. Detection of Helicobacter Pylori Infection by Imported IgG ELISA Kits in Comparison with Iranian Home Made Kit. **Govaresh.** **2006**;11(2).
29. **Mohammadi M**, Doroud D, Mohajerani N, Massarrat S. Helicobacter pylori antibiotic resistance in Iran. **World J Gastroenterol.** **2005 Oct 14**;11(38):6009-13.
30. Talebkhan Y, Mahboudi F, Sarrami R, Barkhordari F, Amani M, Mohammadi M. Cloning and expression of the heterogenic vacuolating cytotoxin from an Iranian Helicobacter pylori strain. **Iranian Journal of Biotechnology.** **2004**;2(2).
31. **Mohammadi M**, Oghalaei A, Zamaninia L, Talebkhan Y, Eshagh Hosseini M. Development of a Helicobacter pylori mouse model. **Govaresh.** **2004**;8(4):147- 152
32. **Mohammadi M**, Oghalaei A, Zamaninia L, Talebkhan Y, Eshagh Hosseini M. Development of a Helicobacter pylori mouse model. **Govaresh.** **2004**;8(4):147- 152.
33. Talebkhan Y and **Mohammadi M**. Vacuolating cytotoxin of Helicobacter pylori. **Iranian Journal of Biotechnology.** **2003**;1(2):73-81.
34. Colding H , Hartzen SH, **Mohammadi M**, Herup K, Kristiansen EJ, Andersen LP . Performance of PCR-restriction fragment length polymorphism analysis of the Helicobacter pylori ureB gene in differentiating gene variants. **Clin Microbiol Infect.** **2003**;9(1):57-60
35. **Mohammadi M**, Oghalaie A, Mohajerani N, Massarrat S, Nasiri M, Bennedsen M, Colding H, Andersen L. Prevalence of Helicobacter pylori vacuolating cytotoxin and its allelic mosaicism as a predictive marker for Iranian dyspeptic patients. **Bull Soc Pathol Exot.** **2003**;96(1):3-5.
36. **Mohammadi M**, Doroud D, Massarrat S, Farahvash M. Clarithromycin Resistance in Iranian Helicobacter pylori Strains. **Helicobacter.** **2003**;8(1):80.
37. Karimi M and **Mohammadi M**. Cloning and expression of recombinant Helicobacter pylori urease A and B subunits. **Iranian Biomedical Journal.** **2002**;5(4):107-111.
38. **Mohammadi M**, Mohajerani N, Oghalaie A, Zeinali M, Jazini A, Massarrat S, Nasiri M, Andersen L. Molecular analysis of Iranian Helicobacter pylori strains by polymerase chain reaction. **Govaresh.** **2000**;5:3-6.
39. **Mohammadi M**. Genotype and strains of Iranian Helicobacter pylori based on PCR-RFLP of conserved and non-conserved genes. **Bull Soc Pathol Exot.** **2000**;93(3):224-

6.

40. **Mohammadi M**, Mohajerani N, Oghalaie A, Zeinali M, Jazini A, Massarrat S, Nasiri M, Andersen L. Molecular analysis of Iranian *Helicobacter pylori* strains by polymerase chain reaction. **Govaresh. 2000;5: 3-6**
41. Nedrud J, **Mohammadi M**, Blanchard T, Redline R, Czinn S. Th1/Th2 lymphocyte responses in *Helicobacter* infections. In *Helicobacter pylori*. **Kluwer Academic Publishers. 1998:101-109**
42. **Mohammadi M**, Nedrud J, Redline R, Lycke N, Czinn SJ. Murine CD4 T-cell response to *Helicobacter* infection: TH1 cells enhance gastritis and TH2 cells reduce bacterial load. **Gastroenterology. 1997 Dec;113(6):1848-57.**
43. **Mohammadi M**, Czinn S, Redline R, Nedrud J. *Helicobacter*-specific cell-mediated immune responses display a predominant Th1 phenotype and promote a delayed-type hypersensitivity response in the stomachs of mice. **J Immunol. 1996 Jun 15;156(12):4729-38.**
44. **Mohammadi M**, Redline R, Nedrud J, Czinn S. Role of the host in pathogenesis of *Helicobacter*-associated gastritis: *H. felis* infection of inbred and congenic mouse strains. **Infect Immun. 1996 Jan;64(1):238-45**

Abstracts

1. M. Esmaili, A. Oghalaie, N. Mohajerani, S. Saberi, Y. Talebkhan, F. Ebrahimzadeh, T. Samadi, T. Karimi, A. Nahvijou, M. Tashakoripour, A. Abdirad, M. Eshagh Hosseini, M. Mohagheghi and M. Mohammadi, The impact of lifestyle factors on the risk of gastric cancer in a cross sectional study, **Rome, Italy 11–13 September 2014, European Helicobacter Study Group XXVIIth International Workshop on Helicobacter and Microbiota in Chronic Digestive Inflammation and Gastric Cancer.**
2. Z. Karimi Kurdistani, R. Mahdian, M. Darbouy, A. Oghalaie, S. Saberi, M. Esmaili, A. Abdirad, M. Eshagh Hosseini, M. Mohagheghi and M. Mohammadi, Serum mirna-21 expression in gastric cancer patients as a screening biomarker, **Rome, Italy 11–13 September 2014, European Helicobacter Study Group XXVIIth International Workshop on Helicobacter and Microbiota in Chronic Digestive Inflammation and Gastric Cancer.**
3. Oghalaie, S. Saberi, F. Barkhordari, M. Esmaili, F. Ebrahimzadeh, M. Tashakoripour,

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- V. Khalaj, M. Eshagh Hosseini and M. Mohammadi, Serum antibodies against secreted peptidyl prolyl cis, trans-isomerase hp0175 of helicobacter pylori correlate with the intensity of gastritis, **Rome, Italy 11–13 September 2014, European Helicobacter Study Group XXVIIth International Workshop on Helicobacter and Microbiota in Chronic Digestive Inflammation and Gastric Cancer.**
4. S. Saberi, Y. Talebkhan, M. Esmaili, A. Oghalaie, N. Mohajerani, M. Eshagh Hosseini, M. Mohagheghi and M. Mohammadi, The amplification of gastric cancer risk by carrying multiple functional snps in inflammation-associated cytokine genes, **Rome, Italy 11–13 September 2014, European Helicobacter Study Group XXVIIth International Workshop on Helicobacter and Microbiota in Chronic Digestive Inflammation and Gastric Cancer.**
 5. S. Saberi, M. Esmaili, M. Doozbakhshan, Y. Talebkhan, A. Oghalaie, F. Ebrahimzadeh, Z. Karimi Kurdistani, M. Tashakoripour, A. Abdirad, M. Mohagheghi, M. Eshagh Hosseini and M. Mohammadi, Helicobacter pylori antigen-specific antibodies are associated with gastric histopathologic changes, **Rome, Italy 11–13 September 2014, European Helicobacter Study Group XXVIIth International Workshop on Helicobacter and Microbiota in Chronic Digestive Inflammation and Gastric Cancer.**
 6. Oghalaie, S. Saberi, Y. Talebkhan, M. Esmaili, A. Oghalaie, M. Bababeik, P. Hassanpour, Sh. Barani, S. Eybpoosh, A. Abdirad, M. Eshagh Hosseini, M. A. Mohagheghi. M. Mohammadi, Gene polymorphisms of pro- and anti-inflammatory cytokines increase the risk of gastric cancer in Helicobacter pylori infected subjects, **December 3-5, 2013. 10th Malaysia Genetics Congress, Kuala Lumpur, Malaysia.**
 7. M. Doozbakhshan, Y. Talebkhan, S. Saberi, M. Esmaili, A. Oghalaie, P. Hassanpour, M. Bababeik, T. Samadi, A. Nahvijou, A. Abdirad, M. Eshagh Hosseini, M. A. Mohagheghi, M. Mohammadi, Recombinant production of Helicobacter pylori neutrophil activating protein as a gastric cancer risk screening target. **December 3-5, 2013. 10th Malaysia Genetics Congress, Kuala Lumpur, Malaysia.**
 8. M. Esmaili, Y. Talebkhan, S. Saberi, A. Oghalaie, P. Hassanpour, M. Doozbakhshan, A. Nahvijou, A. Abdirad, M. Eshagh Hosseini, M. A. Mohagheghi, M. Mohammadi, Targeting recombinant Helicobacter pylori CagA C3 domain as a serologic biopsy method for screening the risk of gastric cancer, **December 3-5, 2013. 10th Malaysia**

Genetics Congress, Kuala Lumpur, Malaysia.

9. Sh. Barani, S. Saberi, Y. Talebkhan, A. Oghalaie, M. Esmaili, M. Doozbakhshan, T. Samadi, S. Eybpoosh, A. Abdirad, M. Eshagh Hosseini, M. A. Mohagheghi, M. Mohammadi, Genetic polymorphisms of IL6 and IL8 and over-expression of their serum levels are more prominent in gastric cancer patients, **December 3-5, 2013. 10th Malaysia Genetics Congress, Kuala Lumpur, Malaysia.**
10. Y. Talebkhan, S. Saberi, M. Esmaili, A. Oghalaie, Sh. Barani, M. Bababeik, T. Samadi, S. Eybpoosh, A. Abdirad, M. Eshagh Hosseini, M. A. Mohagheghi, Marjan Mohammadi, The role of TNF α and IL-1 β promoter polymorphisms in the development of gastric cancer, **December 3-5, 2013. 10th Malaysia Genetics Congress, Kuala Lumpur, Malaysia.**
11. Z. Karimi Kurdistani, S. Saberi, Y. Talebkhan, A. Oghalaie, M. Esmaili, M. Bababeik, P. Hassanpour, S. Eybpoosh, Marjan Mohammadi, Genetic variation and population structure of cytokine genes among six Iranian ethnic populations, **December 3-5, 2013. 10th Malaysia Genetics Congress, Kuala Lumpur, Malaysia.**
12. S. Saberi, Y. Talebkhan, M. Esmaili, A. Oghalaie, P. Hassanpour, M. Bababeik, Sh. Barani, A. Nahvijou, A. Abdirad, M. Eshagh Hosseini, M. A. Mohagheghi, M. Mohammadi, Helicobacter pylori BabA genotype, phenotype and function, **December 3-5, 2013. 10th Malaysia Genetics Congress, Kuala Lumpur, Malaysia.**
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