

CURRICULUM VITAE



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Position: Associate Professor, Senior Faculty Member;

Biotechnology Department, Pasteur Institute of Iran, Tehran, Iran;

Head of Helicobacter pylori Research Group;

Member of the "Research Council" of 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
1989-1991	MS.c., Biology Case Western Reserve University, Ohio, USA

Category of Research:

- ✓ Medical Biotechnology

Research Achievement:

- ✓ Design and Development of an ELISA kit based on local H. pylori strains

Active Research Areas:

- ✓ Identification of biomarkers for early detection of gastric cancer
- ✓ Finding genetic and protein biomarkers involved in GC development
- ✓ Functional assays for determining toxicity of Iranian HP strains
- ✓ Analysis of risk factors involved in Gastric cancer development
- ✓ Development of serologic detection assays using native HP antigens
- ✓ Molecular analysis of host cytokine expression toward HP infection by RT-PCR
- ✓ Two dimensional gel electrophoresis of Tox-positive and negative strains of HP strains
- ✓ Genotyping Iranian HP strains for conserved and non-conserved genes such as ureABC, cagA, vacA, iceA, babA, dupA, etc.
- ✓ Cloning, expression and purification of vaccine candidates including recombinant urease and VacA cytotoxin and CagA protein
- ✓ Development of small animal model using clinical strains of HP for drug therapeutic and vaccine trials
- ✓ Microbial and molecular analysis of antibiotic resistance of Iranian HP strain
- ✓ RAPID fingerprinting of local HP strains

Projects/Grants:

1. Identification of biomarkers for early detection of gastric cancer through genomics and proteomics approach. **Funded by: Islamic Development Bank, Saudi Arabia, 2008**
2. Genotyping and phenotyping of colonization factors (babA and babB) in Iranian Helicobacter pylori strains. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 2008**
3. Identification of biologic markers in serum of Helicobacter pylori infected gastric cancer patients. **Funded by: Pasteur Institute of Iran, Tehran, Iran, 2008**

4. 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**
5. 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**
6. 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**
7. 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**
8. Evaluation of antibiotic resistance in *Helicobacter pylori* via molecular assays. **Funded by: Pasteur Institute of Iran, Tehran, Iran. 2003**
9. Development of serologic kit for diagnosis of *Helicobacter pylori* infection. **Funded by: National Biotechnology Network, Tehran, Iran. 2002**
10. Etiology of gastric cancer in Iran and Sweden. **Co-Funded by: Karolinska Institute & Iranian Ministry of Health. 2002**
11. Antigenic characterization of Iranian *Helicobacter pylori* strains. **Co-Funded by: Iran-Austria Collaborative Projects. 2000**
12. 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**
13. 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**
14. Genotyping Iranian *Helicobacter pylori* strains for virulence markers. **Funded by: International Society for Infectious Diseases, Boston, USA. 1999**
15. Establishment of an animal model for *Helicobacter pylori* infection. **Funded by: Pasteur Institute of Iran, Tehran, Iran. 1998**

16. Development of recombinant vaccine against *Helicobacter pylori* infection. **Funded by: Pasteur Institute of Iran, Tehran, Iran. 1998**

Dissertations:

1. **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**
2. **Sero-epidemiology of *Helicobacter* infection in outpatient children referring to two clinical centers of Tehran.** Bahareh Rabti, Pharm.D, Azad University of Pharmacology, **2009**
3. **Proteomics analysis of two strains of *Helicobacter pylori* isolated from Iranian and Danish patients.** Parvaneh Saffaryan, MS.c, Azad University, **2009**
4. **Determination of toxicity of Iranian *Helicobacter pylori* strains: From gene to protein to function.** Masoumeh Douraghi, PhD, Tehran University of Medical Science, **2009**
5. **Identification of *Helicobacter* spp. In oral secretions of stray cats vs. gastric mucosa.** Aydin shojaei tabrizi, PhD, Tehran University of Veterinary Medicine, **2009**
6. **Analyzing of babA and babB in Iranian *Helicobacter pylori* strains.** Samaneh Saberi, MS.c, Azad University, **2009**
7. **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 (pasteur institute of Iran), **2009**
8. **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 (Shahid beheshti University), **2009**

9. **Evaluation of the prevalence and pathologic study of *Helicobacter* spp in domestic and stray dogs in biopsy samples collected by gastroscopy and their antibiotic sensetivitis.** Ali Shabestari Asl, Tehran University of Veterinary Medicine, **2008**
10. **Experimental study of pathogenesis of chronic gastritis with human isolates of *H. pylori* in cats.** Javad Khoshnegah, Ph.D. Tehran University, **2006**
11. **Evaluation of *Helicobacter pylori* immunogenic proteins for screening purposes.** Leili Zamaninia, M.Sc. Azad University, **2006**
12. **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**
13. **Genotyping and phenotyping *Helicobacter pylori* strains in gastric cancer patients.** Masoud Ghaffarpour, M.Sc. Shahid Beheshti University, **2005**
14. **Cloning and Expression of *Helicobacter pylori* vacuolating cytotoxin in *E. coli*.** Yeganeh Talebkhan, M.Sc. Tarbiat Modarres University, **2003**
15. **Detection of prevalence of *Helicobacter pylori cagA* via PCR-RFLP.** Mohammad Hamid, M.Sc. Azad University, **2002**
16. **Cloning and expression of *Helicobacter pylori* urease in *E. coli*.** Mohsen Karimi, M.Sc. Tehran University, **2001**
17. **The role of *Helicobacter pylori* infection in histopathologic gastritis.** Alireza Rezaie Manesh, M.D. Tehran Medical University, **2000**
18. **Detection of *Helicobacter pylori* by polymerase chain reaction.** Azadeh Jazini, M.D. Shahid Beheshti University, **1998**

Publications:

1. J. Khoshnegah, S. Jamshidi, M. Mohammadi, F. Sasani. **2011.** The efficacy and safety of long-term *Helicobacter* species quadruple therapy in asymptomatic cats with naturally acquired infection. J Feline Med Surg. 13(2):88-93.

2. Y. Talebkhan, F. Ebrahimzadeh, M. Esmaeili, L. Zamaninia, A. Nahvijoo, H. Khedmat, F. Fereidooni, MA. Mohagheghi, **M. Mohammadi. 2011.** Helicobacter pylori Omp18 and Its Application in Serologic Screening of Infection. *Curr Microbiol.* 62(1):325-30
3. Y. Talebkhan, M. Bababeik, M. Esmaeili, A. Oghalaei, S. Saberi, Z. Karimi, N. Afkhami and **M. Mohammadi. 2010.** Helicobacter pylori bacterial ghost containing recombinant Omp18 as a putative vaccine, *The Journal of Microbiological Methods*, 82(3):334-7.
4. M. Douraghi, Y. Talebkhan, H. Zeraati, **M. Mohammadi. 2010.** Cooperative genotyping for Helicobacter pylori virulence determinants strengthens the predictive value of gastric cancer risk assessment. *Dig Liver Dis.* 42(9):662-3.
5. M. Douraghi, S. Saberi Kashani, M. A. Shokrgozar, A. Oghalaie, M. Esmaili, , M. Bababeik, M. H. Shirazi, **M. Mohammadi. 2010.** Characterization of the vacuolating cytotoxin in Helicobacter pylori strains isolated from Iran, *Yakhte*, Vol :12 No :1 Spring 2010 Number 45
6. ME. Hosseini, A. Oghalaie, G. Habibi, A. Nahvijoo, ZM. Hosseini, M. Tashakoripoor, **M. Mohammadi. 2010.** Molecular detection of host cytokine expression in Helicobacter pylori infected patients via semi-quantitative RT-PCR. *Indian J Med Microbiol.* 28(1):40-4.
7. Shojaee Tabrizi, S. Jamshidi, A. Oghalaei, T. Zahraei Salehi, A. Bayati Eshkaftaki, **M. Mohammadi. 2010.** Identification of Helicobacter spp. in oral secretions vs. gastric mucosa of stray cats. *Veterinary Microbiology.* 140(1-2):142-6
8. M. Douraghi, S. Saberi Kashani, H. Zeraati, M. Esmaili, A. Oghalaie, **M. Mohammadi, 2009.** Comparative Evaluation of Three Supplements for Helicobacter pylori Growth in Liquid Culture, *Current Microbiology.* Dec
9. Y. Talebkhan, **M. Mohammadi**, N. Rakhshani, A. Abdirad, K. Fayaz Moughadam, F. Fereidooni, **2009.** Interobserver variations in histopathological assessment of gastric pathology. *Pathology.* 41: 428-432
10. M. Douraghi, Y. Talebkhan, H. Zeraati, F. Ebrahimzadeh, A. Nahvijoo, A. Morakabati, M. Ghafarpour, M. Esmaili , M. Bababeik, A. Oghalaie, N. Rakhshani, ME. Hosseini, MA. Mohagheghi, **M. Mohammadi. 2009.** Multiple gene status in Helicobacter pylori strains and risk of gastric cancer development. *Digestion.* 80(3):200-7

11. Shabestari Asl, S. Jamshidi, **M. Mohammadi**, MH. Soroush, A. Bahadori, A. Oghalaie. **2009**. Detection of Atypical Cultivable Canine Gastric Helicobacter Strain and its Biochemical and Morphological Characters in Naturally Infected Dogs. *Zoonoses Public Health*. Apr 8
12. AS. Shabestari, **M. Mohammadi**, S. Jamshidi, F. Sasani, A. Bahadori, A. Oghalaie. **2008**. Assessment of chronic gastritis in pet dogs and its relation with helicobacter-like organisms. *Pakistan journal of biological science*. 11(11):1443-8
13. M. Douraghi, **M. Mohammadi**, M. H. Shirazi, M. Esmaili, M. Bababeik, S. Saberi, A. Oghalaie and N. Mohajerani. **2008**. Assessment the relationship of cagA gene with different gastroduodenal diseases in Helicobacter pylori infected patients. *Iranian journal of medical microbiology*. 2 (1): 31-36
14. M. H. Shirazi, M. Douraghi, **M. Mohammadi**, A. Oghalaie, S. Saberi, M. A. Mohagheghi, M. Eshagh Hosseini, H. Zerrati, M. Esmaili, M. Bababeik, N. Mohajerani. **2008**. Simultaneous detection of cagA and cagE of Helicobacter pylori strains recovered from Iranian patients with different gastroduodenal diseases. *Iranian Journal of public Health*.
15. M. Douraghi, **M. Mohammadi**, A. Oghalaie, A. Abdirad, M. A. Mohagheghi, M. Eshagh Hosseini, H. Zeraati, A. Ghasemi, M. Esmaili and N. Mohajerani. **2008**. dupA as a risk determinant in Helicobacter pylori infection. *Journal of Medical Microbiology*. 57(Pt 5):554-62.
16. **M. Mohammadi**, Y. Talebkhan, G. Khalili, F. Mahboudi, S. Massarrat, L. Zamaninia and A. Oghalaei. **2008**. Advantage of using a home made ELISA kit for detection of Helicobacter pylori infection over commercially imported kits. *Indian Journal of Medical Microbiology*. 26 (2): 127-131.
17. J. Khoshnegah, Sh. Jamshidi, **M. Mohammadi**, A. Shojaei, N. Mohajerani and T. Zahraei. **2008**. Experimental infection of stray cats with human isolates of Helicobacter pylori. *IVJR*. Vol. 9, No. 2, Ser. No. 23: 150-157.
18. N.R. Hussein, **M. Mohammadi**, Y. Talebkhan, M. Douraghi, D.P. Letley, M.K. Muhammad, R.H. Argent and J. C. Atherton. **2008**. Differences in virulence markers between Helicobacter pylori strains from Iraq and Iran: potential importance for regional differences in H. pylori-associated disease. *J Clin Microbiol*. 46(5):1774-9.

19. Y. Talebkhan, **M. Mohammadi**, M. A. Mohagheghi, H. R. Vaziri, M. Eshagh Hosseini , N. Mohajerani, A. Oghalaei , M. Esmaeili, and L. Zamaninia. **2008**. cagA gene and protein status among Iranian Helicobacter pylori strains. Dig Dis Sci.53(4):925-32.
20. Jamshidi Sh., B. Akhtardanesh, **M. Mohammadi**, F. Sasani, S. Bokaie, T. Zahraiee and M. Dehghan. **2007**. Evaluation of various diagnostic methods for determination of gastric Helicobacters in cat. Veterinary Research 62 (3) 161-166.
21. J. L. Rhead, D. P. Letley, **M. Mohammadi**, M. A. Mohagheghi, N. Hussein, M. Eshagh Hosseini and J. C. Atherton. **2007**. A new Helicobacter pylori vacuolating cytotoxin determinant, the intermediate region, is associated with gastric adenocarcinoma. Gastroenterology.133: 926-936.
22. Akhtardanesh, **M. Mohammadi**, S. Jamshidi, F. Sassani and S. Bokaie. **2006**. Clinical significance of Helicobacter infection in gastric mucosa of cats. OVJR. Vol 10 (2) : 177 - 201.
23. Akhtardanesh, Sh. Jamshidi, F. Sasani, **M. Mohammadi** and S. Bokae. **2006**. Helicobacter spp. infection and development of gastric lesions in domestic and stray cats. Veterinary Arhiv. 76 (6), 479-488.
24. Y. Talebkhan, **M. Mohammadi**, Gh. Khalili, A. Haj-sheykholeslami, N. Rakhshani, F. Mahboudi and S. Massarrat. **2006**. Detection of Helicobacter Pylori Infection by Imported IgG ELISA Kits in Comparison with Iranian Home Made Kit. Govareh Vol. 11, No. 2.
25. **M. Mohammadi**, D. Doroud, N. Mohajerani and S. Massarrat. **2005**. Helicobacter pylori Antibiotic Resistance in Iran. World J Gastroenterol;11(38):6009-6013.
26. Y. Talebkhan, F. Mahboudi, R. Sarrami, F. Barkhordari, M. Amani and **M. Mohammadi**. **2004**. Cloning and expression of the heterogenic vacuolating cytotoxin from an Iranian Helicobacter pylori strain. Iranian Journal of Biotechnology: Vol: 2, No. 2.
27. **M. Mohammadi**, A. Oghalaei, L. Zamaninia, Y. Talebkhan and M. Eshagh Hosseini. **2004**. Development of a Helicobacter pylori mouse model. Govareh: Vol.8, No.4: 147-152
28. Y. Talebkhan and **M. Mohammadi**. **2003**. Vacuolating cytotoxin of Helicobacter pylori. Iranian Journal of Biotechnology. 1(2): 73-81

29. H. Colding , SH. Hartzen , **M. Mohammadi** , K. Herup , JE. Kristiansen and LP. Andersen . **2003**. Performance of PCR-restriction fragment length polymorphism analysis of the *Helicobacter pylori* ureB gene in differentiating gene variants. *Clin Microbiol Infect*; 9(1):57-60
30. M. Karimi and **M. Mohammadi**. **2002**. Cloning and expression of recombinant *Helicobacter pylori* urease A and B subunits. *Iranian Biomedical Journal*. 5 (4): 107-111
31. **M. Mohammadi**, A. Oghalaei, L. Zamaninia, Y. Talebkhan, M. Eshagh Hosseini. **2004**. Development of a *Helicobacter pylori* mouse model. *Govaresh*: Vol.8, No.4: 147- 152
32. **M. Mohammadi**, A. Oghalaie, N. Mohajerani, S. Massarrat, M. Nasiri, M. Bennedsen, H. Colding, L. Andersen. **2003**. Prevalence of *Helicobacter pylori* vacuolating cytotoxin and its allelic mosaicism as a predictive marker for Iranian dyspeptic patients. *Bull Soc Pathol Exot*. 96 (1): 3-5
33. **M. Mohammadi**, N. Mohajerani, A. Oghalaie, M. Zeinali, A. Jazini, S. Massarrat, M. Nasiri, and L. Andersen. **2000**. Molecular analysis of Iranian *Helicobacter pylori* strains by polymerase chain reaction. *Govaresh*. 5: 3-6
34. **M. Mohammadi**, D. Doroud, S. Massarrat, M. Farahvash. **2003**. Clarithromycin Resistance in Iranian *Helicobacter pylori* Strains. *Helicobacter*; 8(1):80
35. **M. Mohammadi**. **2000**. Genotype and strains of Iranian *Helicobacter pylori* based on PCR-RFLP of conserved and non-conserved genes. *Bull Soc Pathol Exot*. 93 (3): 224-6
36. **M. Mohammadi**, N. Mohajerani, A. Oghalaie, M. Zeinali, A. Jazini, S. Massarrat, M. Nasiri, and L. Andersen. **2000**. Molecular analysis of Iranian *Helicobacter pylori* strains by polymerase chain reaction. *Govaresh*. 5: 3-6
37. J. Nedrud, **M. Mohammadi**, T. Blanchard, R. Redline and S. Czinn. **1998**. Th1/Th2 lymphocyte responses in *Helicobacter* infections. In *Helicobacter pylori*. Kluwer Academic Publishers: 101-109
38. **M. Mohammadi**, J. Nedrud, R. Redline and S. Czinn. **1997**. Murine CD4 T cell response to *Helicobacter* infection: TH1 cells enhance gastritis and TH2 cells reduce bacterial load. *Gastroenterology*. 113: 1848-1857
39. **M. Mohammadi**, M. S. Czinn, R. Redline and J. Nedrud. **1996**. *Helicobacter*-specific cell-mediated immune responses display a predominant TH1 phenotype and promote a

delayed-type hypersensitivity response in the stomachs of mice. *Journal of Immunology*. 156: 4729-4738

40. **M. Mohammadi**, R. Redline, J. Nedrud and S. Czinn. **1996**. Role of the host in pathogenesis of Helicobacter-associated gastritis: H. felis infection of inbred and congenic mouse strains. *Infection and Immunity*. 64: 238-245

Seminars:

1. Y. Talebkhan, F. Ebrahimzadeh, M. Bababeik, A. Farjaddoost, F. Fereidouni, A. Morakabati, M. Eshagh Hosseini, M. Mohagheghi, **M. Mohammadi**. **2011**. Helicobacter pylori CagA sero-reactivity and serum pepsinogen levels in developing gastric cancer screening approaches in Iranian high-risk populations. 21th European Congress of Clinical Microbiology and Infection Diseases , 7-10 May, Milan Italy
2. M. Esmaili, F. Ebrahimzadeh ,Y. Talebkhan, S. Saberi Kashani, Z. Karimi, S. Jahangiri, P. Hassanpour, A. Oghalaie, A. Nahvijoo, M. Mohagheghi, M. Eshagh Hosseini, **M. Mohammadi**. **2011**. Cloning and expression of Helicobacter pylori cagA C domain for screening high-risk populations through a Western blotting assay. 21th European Congress of Clinical Microbiology and Infection Diseases , 7-10 May, Milan Italy
3. S. Saberi, M. Douraghi, F. Ebrahimzadeh, Y. Talebkhan, S. Jahangiri, P. Hassanpour, N. Mohajerani, E. Mostafavi, N. Rakhshani, M. Mohagheghi, M. Eshagh Hosseini, **M. Mohammadi**. **2011**, CagA status and VacA subtypes of Helicobacter pylori in relation to gastrointestinal complications in Iranian population, 21th European Congress of Clinical Microbiology and Infection Diseases , 7-10 May, Milan Italy
4. Y. Talebkhan, M. Bababeik, A. Oghalaie, M. Esmaili, P. Hassanpour, A. Farjaddoost, **M. Mohammadi**; Helicobacter pylori bacterial ghost containing recombinant Omp18 as a putative vaccine, **2010**, EUROPEAN HELICOBACTER STUDY GROUP, XXIII International Workshop, September 16-18, Rotterdam, The Netherlands.

5. Y. Talebkhan, M. Esmaili, P. Hassanpour, A. Morakabati, N. Rakhshani, M. Mohagheghi, M. Eshagh Hosseini, **M. Mohammadi**. Comparison of routinely used invasive and non invasive approaches in diagnosis of Helicobacter pylori infection, **2010**, EUROPEAN HELICOBACTER STUDY GROUP, XXIII International Workshop, September 16-18, Rotterdam, The Netherlands.
6. Jahangiri S., Talebkhan Y., Mohajerani N. , Bababeik M. , Oghalaie A. , Nahvijou A., Mohagheghi M., Eshagh Hosseini M., **Mohammadi M.**, C677T polymorphism of 5, 10-methylenetetrahydrofolate reductase (MTHFR) gene and the risk of gastric cancer among Iranian population. **2010**, EUROPEAN HELICOBACTER STUDY GROUP, XXIII International Workshop, September 16-18, Rotterdam, The Netherlands.
7. M. Douraghi, S. Saberi Kashani, M. Shokrgozar, K. Azadmanesh, H. Zeraati, M. Esmaili, M. Eshagh Hosseini, M. Mohagheghi, **M. Mohammadi**, The role of CagA subspecies in induction of cytokeratin-18 mediated apoptosis, **2010**, EUROPEAN HELICOBACTER STUDY GROUP, XXIII International Workshop, September 16-18, Rotterdam, The Netherlands.
8. S. Saberi Kashani, Y. Talebkhan, F. Ebrahimzadeh, A. Oghalaie, N. Mohajerani, A. Nahvijou, M.A. Mohagheghi, M. Eshagh Hosseini and **M. Mohammadi**, Helicobacter pylori BabA Expression, Gastric Mucosal Injury and Clinical Outcome, **2010**. EUROPEAN HELICOBACTER STUDY GROUP, XXIII International Workshop, September 16-18, , Rotterdam, The Netherlands.
9. Z. Karimi, Y. Talebkhan, A. Oghalaie, H. Khanahmad Shahreza, M. Tashakoripour, **M. Mohammadi**. **2009**. Screening Iranian H. pylori infected population by using a serological method. The 3rd Iranian Congress of Clinical Microbiology
10. S. Saberi Kashani, M. Douraghi, Y. Talebkhan, M. Bababeik, A. Oghalaie, A. Nahvijoo, M. Mohagheghi, M. Eshagh Hosseini, **M. Mohammadi**. **2009**. Assessment the relationship of the Outer Membrane Proteins BabA and BabB with different gastroduodenal diseases in Helicobacter pylori infected patients in Iran, FEMS 2009 - 3rd Congress of European Microbiologists, Gothenburg, Sweden
11. Y. Talebkhan, F. Ebrahimzadeh, M. Esmaili, **M. Mohammadi**. **2009**. Outer membrane Protein 18, A potential screening marker for Helicobacter pylori infection. FEMS 2009 - 3rd Congress of European Microbiologists, Gothenburg, Sweden

12. Z. Karimi, S. Saberi Kashani, M. Douraghi, Y. Talebkhan, A. Oghalaei, **M. Mohammadi**. 2009. Mixed infection with different cagA-positive *Helicobacter pylori* strains in Iranian gastrointestinal patients, European *Helicobacter* Study Group, XXII nd International Workshop on *Helicobacter* and related bacteria in chronic digestive inflammation and gastric cancer, Porto, Portugal
13. Z. Karimi, Y. Talebkhan, N. Afkhami, S. Saberi Kashani, M. Douraghi, A. Oghalaie, H. Khanahmad Shahreza, **M. Mohammadi**. 2009. Development of serological method for screening of *Helicobacter pylori* infection in high risk patients, European *Helicobacter* Study Group, XXII nd International Workshop on *Helicobacter* and related bacteria in chronic digestive inflammation and gastric cancer, Porto, Portugal
14. Y. Talebkhan, M. Esmaili, F. Ebrahimzadeh, A. Oghalaie, N. Mohajerani, M. Bababeik, N. Razavi, M. Sadeghi, S. Saberi Kashani, A. Kaviani, A. Nahvijoo, M. Eshagh Hosseini, M. Mohagheghi, **M. Mohammadi**. 2009. *Helicobacter pylori* and host factors involved in gastric cancer development, European *Helicobacter* Study Group, XXII nd International Workshop on *Helicobacter* and related bacteria in chronic digestive inflammation and gastric cancer, Porto, Portugal
15. M. Douraghi, M. Shokrgozar, S. Saberi Kashani, H. Zeraati, F. Ebrahimzadeh, M. Esmaili, M. Bababeik, A. Oghalaie, **M. Mohammadi**. 2009. The intermediate allele of *vacA* and the vacuolation induced by *s1m2* genotypes of *Helicobacter pylori* strains, European *Helicobacter* Study Group, XXII nd International Workshop on *Helicobacter* and related bacteria in chronic digestive inflammation and gastric cancer, Porto, Portugal
16. Y. Talebkhan, F. Ebrahimzadeh, M. Esmaili, A. Oghalaie, M. Sadeghi, **M. Mohammadi**. 2009. *Helicobacter pylori* immunoreactive antigens and their screening applications. European *Helicobacter* Study Group, XXII nd International Workshop on *Helicobacter* and related bacteria in chronic digestive inflammation and gastric cancer, Porto, Portugal
17. M. Douraghi, M. Shokrgozar, H. Zeraati, F. Ebrahimzadeh, A. Oghalaie, M. Sadeghi, N. Razavi, **M. Mohammadi**. 2009. Functional analysis of CagA polymorphism in Iranian *Helicobacter pylori* strains. European *Helicobacter* Study Group, XXII nd International Workshop on *Helicobacter* and related bacteria in chronic digestive inflammation and gastric cancer, Porto, Portugal

18. Y. Talebkhan, M. Esmaeili, M. Bababeik, N. Razavi, S. Sadeghi, **M. Mohammadi**. 2009. A new vaccination approach against *Helicobacter pylori* infection through application of recombinant bacterial ghosts. International Meeting on Emerging diseases and surveillance. Vienna, Austria
19. M. Douraghi, F. Ebrahimzadeh, Y. Talebkhan, M. Bababeik, A. Nahvijoo, M. A. Mohagheghi, M. Eshagh Hosseini, **M. Mohammadi**. 2009. *Helicobacter pylori* VacA intermediate region and its clinical relevance in Iranian dyspeptic patients. International Meeting on Emerging diseases and surveillance. Vienna, Austria
20. S. Saberi, M. Douraghi, Y. Talebkhan, M. Bababeik, A. Oghalaie, A. Nahvijoo, M. A. Mohagheghi, M. Eshagh Hosseini. **M. Mohammadi**. 2009. Genotypic and phenotypic profile of outer membrane proteins BabA and BabB in clinical isolation of Iranian *Helicobacter pylori*. International Meeting on Emerging diseases and surveillance. Vienna, Austria
21. Z. Karimi, N. Afkhami, S. Saberi, Y. Talebkhan, M. Douraghi, A. Oghalaie, **M. Mohammadi**. 2009. Expression of different variants of *Helicobacter pylori* cagA gene for screening High-risk Iranian individuals. International Meeting on Emerging diseases and surveillance. Vienna, Austria
22. M. Douraghi, Z. Karimi, F. Ebrahimzadeh, M. Esmaeili, A. Oghalaie, A. Nahvijoo, M. A. Mohagheghi, M. Eshagh Hosseini, **M. Mohammadi**. 2009. Predominant cagA subtypes in Iranian *Helicobacter pylori* infected patients. International Meeting on Emerging diseases and surveillance. Vienna, Austria
23. M. Douraghi, **M. Mohammadi**, K. Azadmanesh, M. A. Shokrgozar, M. Esmaeili, M. Bababeik. 2008. Assessment of *Helicobacter pylori*-induced apoptosis in an in vitro model of gastric epithelial cells Apoptosis World From mechanisms to applications. p 448.
24. M. Hakemi vala, **M. Mohammadi**, S. Dehghani, Vaziri. B. 2008. Comparison of 2DE map of two non toxic *Helicobacter pylori* strains isolated from Iranian and Danish patients. 1st Congress of Medical Proteomics, Iran
25. Y. Talebkhan, M. Esmaeili, M. Bababeik, **M. Mohammadi**. 2008. Recombinant bacterial ghosts as a new vaccination approach against *Helicobacter Pylori* infection. 18th European Congress of Clinical Microbiology and Infection Diseases

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