

PERSONAL INFORMATION

Meysam Sarsharjeryandeh



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Sex Male | Date of birth 12/09/1985 | Nationality Iranian

WORK EXPERIENCE

1/10/2012–15/10/2014

Product manager

KIAGENTEB Inc., Tehran (Iran)

- Running diagnostic protocol in a clinical laboratory
- Trouble shooting of diagnostic tests
- R&D system services

EDUCATION AND TRAINING

1/10/2014–Present

PhD Student of Infectious Diseases, Microbiology and Public Health

Sapienza University of Rome, Rome (Italy)

15/6/2009–20/7/2011

Project assistant

Molecular Biology Unit, Institute Pasteur of Iran, Tehran (Iran)

1/7/2008–20/7/2011

MS.c. in Cellular and Molecular Biology- Microbiology

Islmaic Azad University of Tonekabon, Tonekabon (Iran)

1/6/2004–30/6/2008

B.Sc. in Cellular and Molecular Biology- Microbiology

Islamic Azad University of Jahrom, Jahrom (Iran)

PERSONAL SKILLS

Mother tongue(s)

Persian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Job-related skills

- **Technical:** Molecular biology techniques (PCR, RT-PCR, Real time PCR, DNA sequencing, protein expression in bacterial hosts, DNA extraction, Drug susceptibility testing (MIC), Dot blot hybridization.
- **Statistical:** Vector NTI advance11, Gene Runner, SPSS.
- **Computer:** Word processor, Excel, Power Point ...

ADDITIONAL INFORMATION

Publications

- Ghorbani-Dalini S, Kargar M, Doosti A, Abbasi P, **Sarshar M**. Molecular Epidemiology of ESBL Genes and Multi-Drug Resistance in Diarrheogenic *Escherichia coli* strains Isolated from Adults in Iran. *Iran J Pharm Res* 2015; 14:4.
- Souod N, **Sarshar M**, Dabiri H, Momtaz H, et al. The study of the oipA and dupA Genes in *Helicobacter pylori* Strains and their relationship with different gastroduodenal diseases. *Gastroenterol Hepatol Bed Bench* 2015; 8(Suppl.1).
- **Sarshar M**, Shahrokhi N, Ranjbar R, Mammina C. Simultaneous Detection of *Escherichia coli*, *Salmonella enterica*, *Listeria monocytogenes* and *Bacillus cereus* by Oligonucleotide Microarray. *Int J Enteric Pathog* 2015; 3:4.
- Momtaz H, Safarpour-Dehkordi F, Hosseini MJ, **Sarshar M**, Heidari M. Serogroups, virulence genes and antibiotic resistance in Shiga toxin-producing *Escherichia coli* isolated from diarrheic and non-diarrheic pediatric patients in Iran. *Gut Pathogens* 2013; 5:39.
- Momtaz H, Karimian A, Madani M, Safarpour-Dehkordi F, Ranjbar R, **Sarshar M**, Souod N. Uropathogenic *Escherichia coli* in Iran: Serogroup distributions, virulence factors and antimicrobial resistance properties. *Annals of Clinical Microbiology and Antimicrobials* 2013; 12:8.
- Souod N, Kargar M, Doosti A, Ranjbar R, **Sarshar M**. Genetic Analysis of cagA and vacA Genes in *Helicobacter Pylori* Isolates and Their Relationship with Gastroduodenal Diseases in the West of Iran. *Iran Red Cres Med J*. 2013; 15(5): 371-6.
- Momtaz H, Souod N, Dabiri H, **Sarshar M**. Study of *Helicobacter pylori* genotype status in saliva, dental plaques, gastric and stool of Iranian patients with dyspepsia. *World J Gastroenterol*. 2012; 18(17): 2105-2111.
- Ranjbar R, Mohseni A, Moosavi A, **Sarshar M**, et al. The Prevalence of Virulence Sodc1 and Sope1 Genes Among the Clinical Serotypes of *Salmonella Enterica* in Tehran, Iran. *Journal Mil Med*. 2014 16(3).
- Ranjbar R, **Sarshar M**. The study of genetic diversity among clinical strains of *Salmonella nterica* serovar Typhimurium. *Iranian Journal of Military Medicine*. 2012; 14(1): 43-47.
- **Sarshar M**, Ranjbar R, Shahrokhi N, Sadeghifard N, Hassani A, Nasrabadi Z, Poorali F. Detection of *Escherichia Coli*, *Salmonella Enterica* and *Shigella Dysenteriae* by Analysis of 23S Ribosomal DNA Gene. *J Isfahan Med Sch*. 2013; 30 (219); 2333-43 [In Persian]
- Ahmadi Z, Ranjbar R, **Sarshar M**. Genotyping of *Salmonella Enterica* Serovar Enteritidis Strains Isolated from Clinical Samples by Pulsed-Field Gel Electrophoresis (PFGE). *J Isfahan Med Sch*. 2013; 31(240): 819-29. [In Persian]
- Souod N, **Sarshar M**, Momtaz H, Kargar M, Hassani A. The Frequency of dupA Gene among Clinical Isolates of *Helicobacter pylori* and its Association with Gastro-Duodenal Diseases. *Iranian journal of infectious diseases and tropical medicine*. 2012; 17(58): 51-57 [In Persian].
- Ghorbani-Dalini S, Kargar M, Doosti A, Abbasi P, **Sarshar M**. Survey of Multidrug-resistant (MDR) ESBLs producing Diarrheogenic *E. coli* Strains Isolated from Children under 5 Years of Age. *Iranian journal of infectious diseases and tropical medicine*. 2012; 17(56): 13-19. [In Persian]
- Ranjbar R, **Sarshar M**, Morovvati S. A study of ribotype patterns of *Salmonella enterica* serovar Enteritidis starains isolated in Tehran. *Journal of Isfahan Medical School*. 2012; 30 (180): 1-10. [In Persian]
- Tavafi H, **Sarshar M**, Owlia P, Shahrokhi N. Prevalence of A⁺B⁺ Toxigenic *Clostridium difficile* Strains in Children with Cancer. *Iranian journal of infectious diseases and tropical medicine*. 2012; 17(57): 13-19. [In Persian]
- **Sarshar M**, Tavafi H, Ghorbani-Dalini S, Souod N, Kargar M, Shahrokhi N. The study of antibiotic resistance and distribution of tetracycline resistance genes of diarrhogenic *E. coli* from pediatric patients. *Iranian Journal of Infectious Diseases and Tropical Medicine*. 2012; 17(57):13-18. [In Persian]
- Ranjbar R, **Sarshar M**, Sadeghifard N. Characterization of Genetic Diversity among Clinical Strains of *Salmonella enterica* Serovar Infantis by Ribotyping Method. *Journal of Zanjan Medical School*. 2012; 20(81): 75-84. [In Persian]
- **Sarshar M**, Doosti A, Jafari A, Shahrokhi N. Evaluation of oligonucleotide microarray technology for the detection of foodborne bacterial pathogens. *Journal of Microbial World*. 2010; 2(2): 73-80. [In Persian]

- Book chapter**
- Karami A, **Sarshar M**, Ranjbar R, Sorouri Zanjani R. The Prokaryotes. The Phylum Spirochaetaceae. Springer Berlin Heidelberg. 2014, pp: 915-929.
- Courses**
- 2nd International course on Viruses and Human Cancer. 01 -09 July 2016, Institute Pasteur of Roma, Italy.
 - Practical course on molecular phylogeny and population genetics. 24 -26 March 2015, Roma TRE University, Rome, Italy.
- Seminars**
- Education& Ebola: from Surry to Sierra leone. A personal Journy. Institute Pasteur of Roma, Italy.
 - Natural Killer cell defensive and pathological roles in diseases. Institute Pasteur of Roma, Italy.
 - Acid stress resistance in neuralophilic bacteria. Institute Pasteur of Roma, Italy.
 - Understanding how bone marrow preserves CD8 T cell memory. Institute Pasteur of Roma, Italy.
 - NK cells and cytomegalovirus infection: not only a matter of immunoevasion. Institute Pasteur of Roma, Italy.
 - PAMPs and PRRs: the hide and seek of pathogens and the immune system. Institute Pasteur of Roma, Italy.
 - Virus and host: ROS production at the crossroad between attack and defense. Institute Pasteur of Roma, Italy.
 - Global Health and current scenarios: new research contributions, Sapienza University of Rome, public health and infectious diseases department.
 - Modulation of the endocannabinoid system in the treatment of symptoms associated with spasticity of multiple sclerosis: pharmacology, clinical and medical aspects. Sapienza University of Rome, public health and infectious diseases department.
 - Surveillance of chronic diseases, prevention of complications and management of patients with chronic pain in the organizational health of the house (construction of an information system). Ministry of Health Tuscany region college health foundation Labos.
- Projects**
- Evaluation of extended spectrum β -Lactamases genes tem, shv and ctm prevalence in diarrhogenic Escherichia coli in Shiraz. Islamic Azad University, Jahrom Branch. 2010-2011.
 - Distinct genotyping of oipA and dupA genes in Helicobacter pylori and their relationship with gastroduodenal diseases. Islamic Azad University, Jahrom Branch. 2010-2011.
 - Molecular typing of Salmonella enterica isolated from clinical samples using Multilocus Sequence Typing. Molecular Biology Research Center, BUMS, Tehran, Iran. 2012-2013.
 - Application of Dot Blot Hybridization method for the detection of food and waterborne disease. Molecular Biology Research Center, BUMS, Tehran, Iran. 2012-2013.
 - Genotyping of Salmonella enterica serovar Enteritidis strains isolated from clinical samples by Pulsed-field gel electrophoresis (PFGE). Molecular Biology Research Center, BUMS, Tehran, Iran. 2012-2013.
 - Detection of virulence and antibiotic resistance genes in Shiga toxin-producing Escherichia coli isolated from diarrheic and non-diarrheic pediatric patients. Department of Microbiology, Shahrekord Branch, Islamic Azad University, Shahrekord, Iran. 2012-2013.
 - Determination of serogroups, virulence factors and antimicrobial resistance properties of UPEC strains isolated from patients with UTIs in Iran. Department of Microbiology, Shahrekord Branch, Islamic Azad University, Shahrekord, Iran. 2012-2013.
- Honours and awards**
- Getting AGD Prize and certificate as best article presentation on "Use of 23S rDNA gene diversity for the discrimination of foodborne pathogenic bacteria by oligonucleotide microarrays". The 4th Ditan International Conference on Infectious Diseases, 15-18 July 2010, Beijing, China.
 - Getting honor and certificate as best abstract presentation on "Comparison of the disk diffusion and polymerase chain reaction for the detection of antibiotic resistance Escherichia coli". The National Student's Congress on Infections & Drug Resistanc, May 1-2, 2012, Guilan, Iran.
 - Getting honor and certificate as best abstract presentation on "Application of 16S and 23S rDNA

target genes for the detection and screening of three common enteric bacterial pathogens using oligonucleotide macroarray". The 4th student and research festival, BUMC, Tehran, Iran.

- Getting honor and certificate as best abstract presentation on "Frequency of clinical isolates of Salmonella enterica serotype in Tehran at 2009-2011". The 3th student and research festival, BUMC, Tehran, Iran.
- Getting honor and award as best creative and innovative young researcher at the 4th Iranian Superior young festival. 2012, Tehran, Iran.

Patents

- Versatile blade holder surgical instruments, Registration number: 69770 [In Persian].
- Simultaneous diagnostic kit of water and foodborne pathogenic bacteria, Registration number: 73685 [In Persian].
- Bacterial Nucleic acid (DNA) extraction kit, Registration number: 74971 [In Persian].
- Diagnostic kit of four bacterial species in the genus of S. enterica, Registration number: 77105 [In Persian].
- Molecular diagnostic kit of V. cholerae, Sh. dysenteriae and S. enterica. Registration number: 76034 [In Persian].

Memberships

- Iranian Society of Microbiology. 2009- Present.
- Iranian Young Researchers' & Elite Club. 2012- Present.
- Iranian Inventors Association. 2011- Present.