

# Rahim Sorouri

Professor – Molecular Microbiology



- **Current Status:** President of the Pasteur Institute of Iran
- **Nationality:** Iranian
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- **Marital Status:** Married

## EDUCATION

- **Postdoc** fellowship in *Medical Biotechnology*, Postdoctoral fellowship in Medical Biotechnology Johns Hopkins University, Washington, DC, and St. George's Hospital, London, in collaboration with PHLS.
- **Ph.D.** in *Molecular Microbiology*, University of Southampton, Southampton, the UK.
- **M.Sc.** in *Medical Bacteriology*, Tarbiat Modares University, Tehran, Iran.
- **B.Sc.** in *Medical Lab. Sciences*, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

## PROFESSIONAL AFFILIATIONS

- President of Pasteur Institute of Iran
- President of Zanzan University of Medical Sciences
- Deputy Secretary of the Biotechnology Development Council, the Vice Presidency for Science and Technology.

- Head of Education and Human Recourse Group, the Biotechnology Development Council, the Vice Presidency for Science and Technology.

## MEMBERSHIPS

- Secretariat of the Council for Education of Basic Medical, Health and Specialized Sciences, Ministry of Health.
- The Board of Examiners and Evaluators of Medical Biotechnology and Molecular Medicine.
- The Scientific and Educational Center of Trauma, the Ministry of Health.

## TECHNICAL EXPERIENCES

- **Molecular detection of microorganisms.**
- **Molecular techniques:** such as DNA isolation, gel electrophoresis, REA, PCR, RFLP, RAPD, DNA hybridization, PFGE, Gene cloning and transfection. DNA sequencing, sequence analysis and alignment as well as phylogenetic analysis. Working with DNA related software and programs, i.e. sequence editing and analysis, restriction mapping of the nucleotide sequences, oligonucleotide, and Phylip package
- **Cell culture techniques:** Preparation and establishment of cell lines, continuous cell culture management. Inoculation of organisms and harvesting, tissue culture isolation of intracellular protozoa. Freezing preservation of cells and organisms

## SCIENTIFIC PUBLICATIONS

1. Breast cancer targeted/therapeutic with double and triple fusion Immunotoxins  
Goleij Z, Hosseini HM, Sedighian H, Behzadi E, Halabian R, **Sorouri R**, Fooladi AA.  
Breast cancer targeted/therapeutic with double and triple fusion Immunotoxins. The Journal of Steroid Biochemistry and Molecular Biology. Jun. 2020. 1; 200:105651.
2. Characteristics of Neisseria Species Colonized in the Human's Nasopharynx  
Tavana AM, Ataee RA, Jonaidi N, **Sorouri R**. Characteristics of Neisseria Species Colonized in the Human's Nasopharynx. Jundishapur Journal of Microbiology. 2020;13(6):11.
3. Characteristics of Neisseria species colonized in the human's nasopharynx,  
Jundishapur J. Microbiol. 2020; 13 (6): 1 [e99915]-11  
Tavana AM, Ataee RA, Jonaidi N, **Sorouri R**. Characteristics of Neisseria species colonized in the human's nasopharynx, Jundishapur J. Microbiol. 2020; 13 (6): 1 [e99915]-11.
4. The prevalence of virB2 and 16SrRNA genes of Brucella isolated from clinical samples

of hospitals, western Iran

**Sorouri R**, Khadamoradi S, Khaledi A, Abadi AH, Esmaeili D. The prevalence of virB2 and 16SrRNA genes of Brucella isolated from clinical samples of hospitals, western Iran. Iranian journal of public health. Sep. 2018;47(9):1438.

5. Presenting a rapid method for detection of Bacillus cereus, Listeria monocytogenes and Campylobacter jejuni in food samples  
Razei A, **Sorouri R**, Mousavi SL, Nazarian S, Amani J, Aghamollaei H. Presenting a rapid method for detection of Bacillus cereus, Listeria monocytogenes and Campylobacter jejuni in food samples. Iranian journal of basic medical sciences. Sep. 2017; 20(9):1050.
6. Rapid detection of Campylobacter jejuni by polymerase chain reaction and evaluation of its sensitivity and specificity  
Razei A, **Sorouri RA**, Aghamollaei HO, Mousavi SL. Rapid detection of Campylobacter jejuni by polymerase chain reaction and evaluation of its sensitivity and specificity. Avicenna Journal of Clinical Medicine. Jun. 2017 15; 24(1):56-62.
7. Fabrication of a Novel Highly Sensitive and Selective Immunosensor for Botulinum Neurotoxin Serotype A Based on an Effective Platform of Electrosynthesized Gold Nanodendrites/Chitosan Nanoparticles  
**Sorouri R**, Bagheri H, Afkhami A, Salimian J. Fabrication of a novel highly sensitive and selective immunosensor for botulinum neurotoxin serotype A based on an effective platform of electrosynthesized gold nanodendrites/chitosan nanoparticles. Sensors. May 2017; 17(5):1074.
8. Molecular epidemiology of extended-spectrum beta-lactamase-producing Klebsiella pneumoniae strains isolated from children with urinary tract infections  
Ranjbar R, Memariani H, **Sorouri R**. Molecular epidemiology of extended-spectrum beta-lactamase-producing Klebsiella pneumoniae strains isolated from children with urinary tract infections. Archives of Pediatric Infectious Diseases. 2017; 5(2):7.
9. Distribution of virulence genes and genotyping of CTX-M-15-producing Klebsiella pneumoniae isolated from patients with community-acquired urinary tract infection (CA-UTI)  
Ranjbar R, Memariani H, **Sorouri R**, Memariani M. Distribution of virulence genes and genotyping of CTX-M-15-producing Klebsiella pneumoniae isolated from patients with community-acquired urinary tract infection (CA-UTI). Microbial pathogenesis. Nov. 2016 1; 100:244-9.
10. Prevalence of Cep gene of Brucella isolated from clinical specimens in hospitals from Kermanshah of Iran  
**Sorouri R**, Khadamoradi S, Khaledi A, Esmaeili D. Prevalence of Cep gene of Brucella isolated from clinical specimens in hospitals from Kermanshah of Iran. Journal of

Pure and Applied Microbiology. Sep. 2016 1; 10(3):1871-5.

11. Comparison of the application of allogeneic fibroblast and autologous mesh grafting with the conventional method in the treatment of third-degree burns  
Moravvej H, Hormozi AK, Hosseini SN, **Sorouri R**, Mozafari N, Ghazisaidi MR, Rad MM, Moghimi MH, Sadeghi SM, Mirzadeh H. Comparison of the application of allogeneic fibroblast and autologous mesh grafting with the conventional method in the treatment of third-degree burns. *Journal of Burn Care & Research*. Jan. 2016 1;37(1):e90-5.
12. **Sorouri R**, Zanjani MH, Hajkarim B, Mousavinasab N, Noori M, Sobhani V. Prevalence of Hepatitis B, Hepatitis C and HIV and Related Risk Factors in Contact Sportsmen in Zanjan: A Letter to Editor. *Hepatitis monthly*. Tehran, Iran. Oct. 2015; 15(10).
13. Isolation and characterization of *Borrelia burgdorferi* strains from *Ixodes ricinus* ticks in the southern England  
**Sorouri R**, Ramazani A, Karami A, Ranjbar R, Guy EC. Isolation and characterization of *Borrelia burgdorferi* strains from *Ixodes ricinus* ticks in the southern England. *BiolImpacts: BI*. 2015; 5(2):71.
14. Molecular detection of *Brucella* species in patients suspicious of Brucellosis from Zanjan, Iran  
Garshasbi M, Ramazani A, **Sorouri R**, Javani S, Moradi S. Molecular detection of *Brucella* species in patients suspicious of Brucellosis from Zanjan, Iran. *Brazilian Journal of Microbiology*. Jun. 2014; 45(2):533-8.
15. Detection of Brucellosis in high risk individuals referred to medical diagnostic centers in Khodabandeh city with using PCR  
Garshasbi M, **Sorouri R**, Ramazani A, Javani S, Moradi S. Detection of Brucellosis in high risk individuals referred to medical diagnostic centers in Khodabandeh city with using PCR. Aug. 2014. *Brazilian Journal of Microbiology* 45(2):533-8
16. Screening for antibacterial activity of *Streptomyces* species isolated from Zanjan province, Iran  
Ramazani A, Moradi S, **Sorouri R**, Javani S, Garshasbi M. Screening for antibacterial activity of *Streptomyces* species isolated from Zanjan province, Iran. *Int J Pharm Chem Biol Sci*. Apr. 2013; 3(2):342-9.
17. Study the genes encoding aminoglycoside-modifying enzymes among clinical isolates of methicillin resistance *Staphylococcus aureus*  
Ramazani A, Shokravi Z, Mehrad L, **Sorouri R**, Amirmoghaddami H. The 6th International & 11th National Congress on Quality Improvement in Clinical Laboratory. Apr. 2013. 20-23.

18. Hepatitis E virus seroprevalence in haemodialysis patients in Zanjan Province, Islamic Republic of Iran  
Mobaien AR, Mohammadi R, **Sorouri R**, Sadeghi K. Hepatitis E virus seroprevalence in haemodialysis patients in Zanjan Province, Islamic Republic of Iran. *EMHJ-Eastern Mediterranean Health Journal*, 2013 19 (7), 608-612, 2013.
19. **Sorouri** Zanjani R, Kosarieh E, Rastgar M, Vakili MM. Survey on Knowledge of Zanjan Dentists about radiographic Prescriptions. *Journal of Medical Education Development*. 2012; 2(2)
20. Comparison of seropositivity of HCV between oral lichen planus and healthy control group in Hamedan province (west of Iran)  
Ansar A, Zamanian A, Farschian M, **Sorouri R**, Mobaien AR. Porównanie seropozytywnych HCV między pacjentami z liszajem płaskim jamy ustnej a zdrową kontrolną grupą z prowincji Hamedan (zachodni Iran). *Our Dermatology Online*. Oct. 2011. 1;2(4):181.
21. Comparison of seropositivity of HCV between oral lichen planus and healthy control group in Hamedan province (west of Iran)  
Ansar A, Zamanian A, Farschian M, **Sorouri R**, Mobaien AR. Comparison of seropositivity of HCV between oral lichen planus and healthy control group in Hamedan province (west of Iran). *Our Dermatol Online*. 2011; 2(4):181.
22. Molecular characterization of Bruton's tyrosine kinase deficiency in 12 Iranian patients with presumed X-linked agammaglobulinemia  
Nasseri S, **Sorouri R**, Pourpak Z, Yeganeh M, Aghamohammadi A, Fiorini M, Shahkarami S, Mosallaei M, Rezaei N, Parvaneh N. Molecular characterization of Bruton's tyrosine kinase deficiency in 12 Iranian patients with presumed X-linked agammaglobulinemia. *Journal of investigational allergology & clinical immunology*. Jan. 2011. 1;21 (7):572-4.
23. Mehdi Dadashpour, Iraj Rasooli, **Rahim Sorouri** Zanjani, Fatemeh Sefidkon, Massoud Taghizadeh, Shakiba Darvish Alipour Astaneh. Nitric oxide radical scavenging and cytotoxic properties of *Thymus daenensis* essential oil, Volume 14, Number 4 1, Page 37-47 (11), Jan. 2011
24. Mehdi Dadashpour; Iraj Rasooli\*; **Rahim Sorouri** Zanjani; Fatemeh Sefidkon; Massoud Taghizadeh; Shakiba Darvish Alipour Astaneh. Antimicrobial, nitric oxide radical scavenging and cytotoxic properties of *Thymus daenensis* essential oil, Volume 14, Number 1, Page 37-47 (11), Jan. 2011
25. **Sorouri** Zanjani R, Mir-Esmaili S.M, Latifi A.M. Valipour E, Isolation and identification

of a type strain bacteria with the highest ability to produce organophosphorus acid anhydrase. The Journal of Mazandaran University of Medical Sciences. 2009; 18 (68)

26. Prevalence of *Ureaplasma urealyticum* and *Ureaplasma parvum* in semen of infertile and healthy men  
Zeighami H, Peerayeh SN, Yazdi RS, **Sorouri R**. Prevalence of *Ureaplasma urealyticum* and *Ureaplasma parvum* in semen of infertile and healthy men. International journal of STD & AIDS. Jun. 2009; 20(6):387-90.
27. Rapid detection of *Borrelia burgdorferi* strains by nested polymerase chain reaction  
**Sorouri R**, Ranjbar R, Karami A. Rapid detection of *Borrelia burgdorferi* strains by nested polymerase chain reaction. Pakistan Journal of Biological Sciences: PJBS. Mar. 2009. 1; 12(5):463-6.
28. Evaluation of LAMP (loop-mediated isothermal dna amplification) for molecular detection of salmonella  
KARAMI A, MORADI A, **Sorouri R**, AHMADI Z. Evaluation of LAMP (loop-mediated isothermal dna amplification) for molecular detection of salmonella. Fall 2009 , 17(3): 1-9
29. Use of a MAMA-PCR Method to detect *gyrA* Mutations in Nalidixic Acid-Resistant Clinical Isolates of *Escherichia coli*  
Karami A, Naghavi KH, **Sorouri R**, Ranjbar RE, KHALIL PA. Use of a MAMA-PCR method to detect *GyrA* mutations in nalidixic acid resistant clinical isolates of *Escherichia coli*. 2008 , 37(1): 42 - 47
30. Production of full length and splicing form of chymosin using pETexpression system in E-coli and investigation its enzyme activity and preplasmic secretion  
Ahmadi Zeydabadi M, Ahmadian G, **Sorouri R**. Production of full length and splicing form of chymosin using pETexpression system in E-coli and investigation its enzyme activity and preplasmic secretion. Koomesh. May 2008 10;9(3):187-94.
31. Use of a MAMA-PCR method to detect *GyrA* mutations in nalidixic acid resistant clinical isolates of *Escherichia coli*  
Karami A, Naghavi KH, **Sorouri R**, Ranjbar RE, KHALIL PA. Use of a MAMA-PCR method to detect *GyrA* mutations in nalidixic acid resistant clinical isolates of *Escherichia coli*. (2008): 42-47
32. A. Karami, KH naghavi, **R. Sorouri**, R. Ranjbar & A. Khalilpour. Use of a MAMA-PCR method to detect *gyr* mutation in nalidixic acid-resistant clinical isolate of *E. coli*. Iranian Journal of Public health. Volume 1. Tehran, Iran. Dec. 2008
33. F. Sharifi, SN. Mousavinasab, **R. Sorouri**, M. Saeini & M. Dinmohamadi. High prevalence of low high-density lipoprotein cholesterol concentration and other

dyslipodemic phenotypen in an Iranian population. Metabolic syndrome & Related Disorders. USA, 2008.

34. Polymorphism survey of Btk gene promoter and Tec intron1 regions to find any genotype/phenotype correlation in Iranian XLA patients  
Aghamohammadi A, Naseri S, Teimourian S, Pourpak Z, Yeganeh M, **Sorouri R**. Polymorphism survey of Btk gene promoter and Tec intron1 regions to find any genotype/phenotype correlation in Iranian XLA patients. In ALLERGY, Jun. 2007 (Vol. 62, pp. 484-484).
35. Molecular Survey of Nalidixic Acid Resistance E. coli Isolated from Patients with Urinary Tract Infection in Baqiyatallah Hospital  
Jonaidi N, Karami A, **Sorouri R**, Safiri Z, Dalili R. Molecular Survey of Nalidixic Acid Resistance E. coli Isolated from Patients with Urinary Tract Infection in Baqiyatallah Hospital. Journal Mil Med. Oct. 2006 19; 8(3):191-6.
36. M. Amoli, R. Mousavizadeh, **R. Sorouri**, M. Rahmani and B. Larijani. Curcumin inhibits in vitro MCP-1 release from mouse pancreatic islets. Transplantation Proceedings. Volume 38, NY, USA Aug. 2006
37. Rapid detection of toxigenic vibrio cholera O1 using PCR-ENZYMELINKED immunosorbent assay (PCR-ELISA)  
Ahmadi S, Mousavi ML, **Sorouri R**, Salimian J, Karimi A, NAZARIAN S, Amani J. Rapid detection of toxigenic vibrio cholera O1 using PCR-ENZYMELINKED immunosorbent assay (PCR-ELISA). Spring 2006 , 11(1):41 – 50
38. E. Guy, I. Ferguson, **R. Sorouri-Zanjani** and S O'Connel. Serodiagnosis of Lyme disease in the United Kingdom. Annals of the Rheumatic Disease. Volume 52. London, UK. May 1993.
39. S O' Connel, **R. Sorouri-Zanjani**, J White and E. Guy. Lyme Disease: Experience in an endemic area. British Journal of Dermatology. Volume 40. London UK, Jul. 1992.