

Curriculum Vitae

Surname: Eybpoosh

Forename: Sana

Degree: Ph.D

Major: Epidemiology

Date, Place of Birth: 1984/08/08, Urmia, Iran

Marital Status: Married

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Education

2011-2016 - Doctor of Philosophy (Ph.D) in Epidemiology, Kerman University of Medical Sciences, Kerman, Iran

2007-2010 - Master of Science (MSc) in Public health nursing, Tehran University of Medical Sciences, Tehran, Iran

Positions

2016- Present – Assistant Professor, Department of epidemiology and biostatistics, Pasteur Institute of Iran, Tehran, Iran

2016 – Present – Faculty Member, Researcher Research Centre for Emerging and Re-emerging Infectious Diseases, Pasteur institute of Iran, Tehran, Iran

2011 – Present – Project manager, WHO Collaborating Centre for HIV/AIDS Surveillance, Kerman University of Medical Sciences, Kerman, Iran

2011 – 2015 – Research associate, Research Centre for Modeling in Health, Kerman University of Medical Sciences, Kerman, Iran

2013 – 2014 – Statistical and methodological advisor, Clinical Research Center, Afzalipour General Hospital, Kerman, Iran

Area of Expertise

- Molecular epidemiology of viral infections
- Phylodynamics, phylogenetics, and phylogeography of viruses
- Disease Modeling
- Epidemiological virology

Awards

2016: IZAMA Young scientist award, 10th international Addiction science congress, 2016, Tehran, Iran

2011: Young scientist award, 10th World congress of biological Psychiatry. 2011, Prague, Czech Republic

2016: Top graduated student in Kerman University of Medical Sciences, Kerman, Iran

2014: Top young researcher in Kerman University of Medical Sciences, Kerman, Iran

2014: Outstanding student in Kerman University of Medical Sciences, Kerman, Iran

2010: Top graduated student in Tehran University of Medical Sciences, Tehran, Iran

Teaching experience

1) Teaching of academic courses

- **2013 – Present:** “Molecular epidemiology” to PhD students of Bacteriology, Molecular Medicine, Epidemiology, and master students of virology
- **2012 – Present:** “Research Methods” to PhD students of Bacteriology and traditional medicine
- **2011 – Present:** “epidemiology” to Master students of virology and bachelor students of nursing
- **2012:** “biostatistics” to master students of Toxicology

2) Teaching in the workshops

- **2016:** “Scientific writing”, Master students in Epidemiology, Pasteur institute of Iran, Tehran, Iran
- **2014:** “Research Methods”, 2014 Research methods summer course for dentists, Oral health research centre, Kerman University of Medical Sciences, Kerman, Iran
- **2013:** “Advanced workshop for systematic review and meta-analysis”, Research centre for modeling in health, Kerman University of Medical Sciences, Kerman, Iran
- **2013:** evidence based medicine, Kerman, Iran
- **2012:** “Scientific writing”, Pasteur institute of Iran, Tehran, Iran
- **2011:** “Scientific writing”, 2011 Summer course for research methods and epidemiology, Pasteur institute of Iran, Tehran, Iran
- **2011:** “Scientific writing”, Physiology research centre, Kerman University of Medical Sciences, Kerman, Iran

Student theses (supervision or advisory)

2016 – Present: Investigating the changes in the copy number of peripheral blood mononuclear cells’ mitochondrial genome as a biomarker for gastric cancer and its relationship with helicobacter pylori infection. PhD thesis of Biotechnology. Pasteur institute of Iran, Tehran, Iran

2015 – Present: Prevalence of substance abuse, anxiety and depression in inpatients of Imam Khomeini hospital receiving narcotic analgesics. Doctoral thesis of medical psychiatry. Tehran University of Medical Sciences, Tehran, Iran

2015 – Present: prevalence and type of substance abuse in inpatients of Imam Khomeini Hospital. . Doctoral thesis of medical psychiatry. Tehran University of Medical Sciences, Tehran, Iran

Publications

1) Book Chapters

- **2014: Eybpoosh S.** Nosocomial Infections. In Yavari P. (Ed.), *Epidemiology Textbook of Prevalent diseases in Iran (Volume 1: Communicable diseases)*, Tehran, Iran: Gap press, pp. 117-132.
- **2014:** Haghdoost AA, **Eybpoosh S.** Fundamentals of meta-analysis. In Haghdoost AA and Sadeghirad B (Eds.), *Textbook of systematic review and meta-analysis*. Tehran: Gap press.
- **2014:** Haghdoost AA, Sadeghirad B, **Eybpoosh S**, Dastoorpoor M, Moradi M, Mohebbi E. Special types of meta-analysis. In Haghdoost AA and Sadeghirad B (Eds.), *Textbook of systematic review and meta-analysis*. Tehran: Gap press.

2) Journal Articles

1. **Eybpoosh S**, Bahrampour A, Karamouzian M, Azadmanesh K, Jahanbakhsh F, Mostafavi E, Haghdoost AA, Zolala F. Spatio-temporal History of HIV-1 CRF35_AD in Afghanistan and Iran. PLoS ONE. PLoS ONE, 2016; 11 (6): e0156499.
2. **Eybpoosh S**, Bahrampour A, Azadmanesh K, Mostafavi E, Haghdoost AA, Zolala F. Spatio-temporal dynamics of HIV-I subtype B and Circulating Recombinant Form 01_AE clades in Iran: a phylogeographic approach. Iran Red Crescent Med J. Inpress (Inpress): e34609.
3. Saberi S, Schmidt A, **Eybpoosh S**, Esmaili M, Talebkhan Y, Mohajerani N, et al. Helicobacter pylori Strains from Duodenal Ulcer Patients Exhibit Mixed babA/B Genotypes with Low Levels of BabA Adhesin and Lewis b Binding. Dig Dis Sci. 2016; 61(10):2868-77.
4. Talebkhan Y, **Eybpoosh S**, Salarieh N, Esmaili M, Saberi S, Oghalaie A, et al. Accelerating Rate Of P16 Gene Hypermethylation From Normal To Tumoral Gastric Tissue. Helicobacter, 2015; 20 (S1): 107.
5. Jahanbakhsh F, **Eybpoosh S**, Mostafavi E, Haghdoost AA, Azadmanesh K. Molecular Epidemiology of HIV-1 in Afghanistan, Iran, and Pakistan. J Med Microbiol Infec Dis, 2015, 3 (3-4): 1-4

6. Talebkhan Y, Esmaili M, **Eybpoosh S**, Saberi S, Salarieh N, Oghalaie A, Abdirad A, Eshagh Hosseini M, Mohagheghi M. and Mohammadi M. Hypermethylation of Tumor Suppressor Genes in Cancerous and Non-Cancerous Gastric Mucosa. *Helicobacter*, 2013; 18(S1): 112.
7. **Eybpoosh S**, Azadmanesh K. A note on evolutionary rate estimation in Bayesian evolutionary analysis. *J Med Microbiol Infec Dis*, 2015, Accepted.
8. **Eybpoosh S**, Haghdoost AA. Molecular epidemiology and prevention of infectious diseases. *Electron Phys*. Accepted, Ahead of print.
9. Haghdoost AA, Baneshi MR, **Eybpoosh S**, Khajehkazemi R. Comparison of Three Interview Methods on Response Pattern to Sensitive and Non-Sensitive Questions. *Iran Red Crescent Med J*. 2013 Jun; 15(6): 500-6.
10. Rahnavard Z*, **Eybpoosh S**, Rezai Homami M, Aghaei Meybodi HR, Azemati B, Heshmat R, Larijani B. Vitamin D Deficiency in a Sample of Healthy Male Population: Results of the Iranian Multi-Center Osteoporosis Study. *Iran J Public Health*, 2010; 39 (3): 45-52.
11. Rahnavard Z*, **Eybpoosh S**, Akhondzadeh S. Knowledge, attitude, and practice of Iranian adolescent girls towards 3-4-methylenedioxymethamphetamine. *Saudi Med J* 2011; Vol. 32 (1): 66-70.
12. **Eybpoosh S**, Talebkhan Y, Saberi S, Esmaeili M, Oghalaie A, Ebrahimzadeh F, et al. Age-Specific Gastric Cancer Risk Indicated by the Combination of *Helicobacter pylori* Sero-Status and Serum Pepsinogen Levels. *Iran Biomed J*, 2015; 19 (3): 133-142.
13. Farajzadeh S, Hakimi Parizi M, Haghdoost AA, Mohebbi A, Mohammadi S, Pardakhty A, **Eybpoosh S**, et al. Comparison between intralesional injection of zinc sulfate 2 % solution and intralesional meglumine antimoniate in the treatment of acute old world dry type cutaneous leishmaniasis: a randomized double-blind clinical trial. *J Parasit Dis*. 2016; 40(3):935-9.
14. Farajzadeh S, Heshmatkhan A, Vares B, Mohebbi E, Mohebbi A, Aflatoonian M, **Eybpoosh S**, et al. Topical terbinafine in the treatment of cutaneous leishmaniasis: triple blind randomized clinical trial. *J Parasit Dis*. 2016; 40(4): 1159–64.
15. Arbabi M, Zhand N, **Eybpoosh S**, Yazdi N, Ansari S, and Ramezani M. Correlates of Memory Complaints and Personality, Depression, and Anxiety in a Memory Clinic. *Acta Med Iran*. 2015; 53(5): 270-5.
16. Zolfaghari M, Negarandeh R, Ahmadi F, **Eybpoosh S**. Satisfaction in a Blended Learning Program: Results of an Experiment in the Faculty of Nursing and Midwifery in Iran. 2010. Proceeding book of 5th International Conference on e-Learning; Universiti Sains Malaysia, Penang: Malaysia: P 434-441. Available at: <http://books.google.com/books?hl=en&lr=&id=mFFNKQrlaAsC&oi=fnd&pg=PA434&dq=info:wlyKa>

O2zJJEJ:scholar.google.com&ots=KfBIQarY8y&sig=eCxcWKWjJLKizIK_DbHmQ69Xbg#v=onepage&q&f=false

17. Zolfaghari M*, **Eybpoosh S**, Hazrati M. Effects of Therapeutic Touch on anxiety, vital signs, and cardiac dysrhythmia in a sample of Iranian women undergoing cardiac catheterization: a quasi-experimental study. *J Holist Nurs*. 2012; 30(4):225-34
18. Zolfaghari M, Negarandeh R, Ahmadi F, **Eybpoosh S***. Developing a blended learning program for nursing and midwifery students in Iran: Process and preliminary outcomes. *Iran J Nurs Midwifery Res*. 2013; 18(1): 20-26.
19. Zolfaghari M, Mehrdad N, **Eybpoosh S**. Learning Outcomes in Two Different Teaching Approach: E-Learning versus Lecture. *Acta Medica Iranica*. 2011;49(5): 296-301
20. Rahnavard Z, **Eybpoosh S**, Alianmoghaddam N. Effect of Clinical Teaching Associate Model on Nursing Students' Clinical Skills and Nurses' Satisfaction. *Contemp Nurse*. 2013 Oct 2. [Epub, ahead of print]. doi: 10.5172/conu.2013.2704
21. Zolfaghari M, Dehghankar L, Mohamadi Y, Mohamadkhani G, **Eybpoosh S***. Effect of computer learning on quality of life of Iranian asthmatic patients. *South Asia J Fam Med*, 2012; 4(6): 48-52.
22. **Eybpoosh S**, Khanjani N*. Iranian Nurses Leaving Their Major in Higher Education: What are the Reasons? *Manag Epidemiol Public Health*, 2016; 1(1): 1-6.
23. Hadipour M, Abolhasani F, Molavi H, **Eybpoosh S**. Individual and Environmental determinants of Health Related Quality of Life in Iranian patients with type II diabetes. *Iran South Medical Journal*, 2014; 16(6): 428-435 [In Persian]
24. Salemi S, Shokoohi M, **Eybpoosh S**, Nejat S, Kashani H. Identify of Barriers to Research Utilization in the Nursing Clinical Practice, in Iran. *Iranian Journal of Epidemiology*. 2010; 6(1): 1-9.
25. Moosazadeh M, **Eybpoosh S**, Nasirian M, Molavi Vardanjani H, Sheikhzadeh K, Afshari M et al. Explanation of the Status of Nosocomial Surveillance System in Iran: A Qualitative Study. *Journal of qualitative Research in Health Sciences*. 2016; 4 (4):406-425. [In Persian]
26. **Eybpoosh S**, Khanjani N. Residual Concentrations of Arsenic and its health effects in the Iranian population: A Systematic Review. *Journal of Health and Development*. 2015; 4(2): 168-180. [In Persian]
27. Aliasquarpoor M, **Eybpoosh S***. The quality of life of elderly nursing home residents and its relationship with different factors. *Iran Journal of Nursing*. 2012; 25(75): 60-70. [In Persian]
28. Aliasquarpoor M, **Eybpoosh S**. Quality of sleep and its correlating factors in residents of Kahrizak nursing home. *Journal of Urmia Nursing and Midwifery Faculty*. 2011; 9(5): 383-374. [In Persian]

Conference presentation/proceeding

- **Eybpoosh S***, (Presenter), Haghdoost AA. *HIV virus intermixing between Afghan and Iranian injection drug users*. 1th annual international addiction science congress (ASC 2016), September 14-16 2016. Tehran-Iran.
- Oghalaie A, Saberi S, Talebkhan Y, Esmaili M, Bababeik M, Hassanpour Parisa, Barani S, **Eybpoosh S**, et al., *Gene Polymorphisms of Pro- and Anti-Inflammatory Cytokines Increase the Risk of Gastric Cancer in Helicobacter pylori Infected Subjects*. First Malaysia genetics congress. 2013, P 77, abstract ID: 050
- Kurdistani ZK, Saberi S, Talebkhan Y, Oghalaie A, Esmaili M, Bababeik M, Hassanpour P, **Eybpoosh S**, Mohammadi M. *Genetic Variation and Population Structure of Cytokine Genes among Six Iranian Ethnic Populations*. First Malaysia genetics congress. 2013, P 51, abstract ID: 052
- Barani S, Saberi S, Talebkhan Y, Oghalaie A, Esmaili M, Doozbakhshan M, Samadi T, **Eybpoosh S**, et al. *Genetic Polymorphisms of IL6 and IL8 and Over-Expression of Their Serum Levels are More Prominent in Gastric Cancer Patients*. First Malaysia genetics congress. 2013, P 51, abstract ID: 051
- Oghalaie A, Saberi S, Talebkhan Y, Esmaili M, Bababeik M, Hassanpour Parisa, Barani S, **Eybpoosh S**, et al., *Gene Polymorphisms of Pro- and Anti-Inflammatory Cytokines Increase the Risk of Gastric Cancer in Helicobacter pylori Infected Subjects*. First Malaysia genetics congress. 2013, P 77, abstract ID: 050
- Talebkhan Y, Esmaili M, **Eybpoosh S**, Saberi S, Salarieh N, Oghalaie A, Abdirad A, Eshagh Hosseini M, Mohagheghi M. and Mohammadi M. *Hypermethylation of Tumor Suppressor Genes in Cancerous and Non-Cancerous Gastric Mucosa*. *Helicobacter*, 2013; 18(Issue Supplement S1). 112. Abstract no: P07.07.
- Khajeh kazemi R, Baneshi MR, Haghdoost AA, **Eybpoosh S***, (Presenter). *Comparison of three interview methods on response pattern to sensitive questions in Iran*. HIV Moderchild, 2012. Shiraz, Iran.
- **Eybpoosh S***, (Presenter), Rahnavard Z, Zolfaghari M. *The Effect of Stage-Based Educational Package on Micronutrient Intake in Adolescent Girls of Tehran 17th Zone*. TTM international conference on school health. 2011. Shiraz, Iran.
- Mohammadi N*, **Eybpoosh S**, Ahmadi N. *Investigating the drug interactions of Kerman general physicians and specialists' prescriptions (2119-2111)*. SICOBARE, Isfahan, Iran, 2011.
- Zolfaghari M*, Negarandeh R, Ahmadi F, **Eybpoosh S**. *Satisfaction in a Blended Learning Program: Results of an Experiment in the Faculty of Nursing and Midwifery in Iran*. Paper

presented at International Congress of E-Learning, 2010, Universiti Sains Malaysia, Penang, Malaysia.

- Jahanbakhsh F, Mostafavi E, **Eyboosh S**, Haghdoost AA, Gouya MM, Azadmanesh K*. *HIV-1 Subtype Distribution in the Region, Focusing on CRF 35_AD*. Endemic and Emerging Viral Diseases of Priority in the Middle East and North Africa (MENA) – A Scientific Workshop to Promote Research Collaboration. 26th – 29th May 2014, Doha, Qatar
- Arbabi M, **Eyboosh S**, Karim H. *Neurological soft signs in patients with borderline personality disorders*. 10th World congress of biological Psychiatry. 2011, Czech Republic.
- Eyboosh MH, **Eyboosh S**. *Applicability of EMG-based Computerized Classifiers for Discriminating Myopathic, Neuropathic and Healthy Individuals: A Systematic Review*. 5th Dr. Yalda congress. 6th – 10th octobr 2014, Tehran University of Medical Sciences, Tehran, Iran.
- **Eyboosh S (Presenter)***, Yavari P. *Do Tehranian adolescent girls have acceptable attitude toward vitamin intake?* 11th national congress on Nutrition. 2010, Shiraz university of medical sciences, Shiraz: Iran.
- **Eyboosh S (Presenter)***, Yavari P. *Tehranian adolescent girls' self-efficacy about vitamin intake*. 11th national congress on Nutrition. 2010, Shiraz university of medical sciences, Shiraz: Iran

Research Projects

2017: Molecular epidemiology and dissemination pattern of CCHF virus in Eastern and Southeastern Iran, supported by Ministry of Health and Medical Education (**Principal Investigator**)

2017: *Rodent-borne emerging and re-emerging zoonotic diseases in North-Western Iran: molecular epidemiology, taxonomy, population genetics, and phylogeny of the reservoir hosts and pathogens*. Supported by Pasteur institute of Iran and National Institute for Medical Research Development, (**Supporting Investigator**).

2012-2016: *Spatiotemporal and Population Dynamics of HIV-1 CRF35_AD and Subtype B in Iran*. Supported by Pasteur Institute of Iran and Kerman University of Medical Sciences (**Principal Investigator**)

2012 – 2015: Determination of the “cancer phenotype” by in vivo and in vitro mucin profiling, supported by Pasteur Institute of Iran (**Supporting Investigator**)

2012 – 2015: Identification of biomarkers of early stages of gastric cancer, supported by Pasteur Institute of Iran (**Supporting Investigator**)

2016: Investigating the changes in the copy number of peripheral blood mononuclear cells' mitochondrial genome as a biomarker for gastric cancer and its relationship with helicobacter pylori infection (*Supporting Investigator*)

2016 – 2017: External evaluation of infectious disease surveillance system in Iran, supported by Ministry of Health and Medical Education (*Supporting Investigator*)

2016: Monitoring of brucellosis through empowerment of health sectors, popular mobilization, and improvement of laboratory diagnoses, supported by ministry of health and medical education (*Supporting Investigator*)

2010 – 2011: Validity and reliability of the Persian version of CAM-ICU tool in critical care units. Supported by Tehran University of Medical Sciences (*Principal Investigator*)

2010 – 2011: Effect of the trans-theoretical stage of change-based educational package on micronutrient intake of adolescent girls in Tehran 17th zone. Supported by Tehran University of Medical Sciences (*Principal Investigator*)

2009 – 2010: Barriers to research utilization by Iranian nurses in clinical settings. Supported by Iran's Nursing Council (*Supporting Investigator*)

2012-2013: Designing excellent research management program for medical doctors in Iran. Supported by Kerman university of Medical Sciences, Kerman, Iran. (*Supporting Investigator*)

2012 – 2013: External evaluation of nosocomial infections surveillance system in Iran, supported by Ministry of Health and Medical Education. (*Supporting Investigator*)

2011 – 2012: External evaluation of type 2 diabetes screening program in rural areas of Iran, supported by Ministry of Health and Medical Education. (*Supporting Investigator*)

2012 – 2013: Explanation of national health accounts. Supported by Ministry of Health and Medical Education. (*Supporting Investigator*)

2011-2012: Comparison of three interview methods on response pattern to sensitive and non-sensitive questions. Supported by Kerman University of Medical Sciences. (*Supporting Investigator*)

2010-2011: The quality of life and quality of sleep of Iranian elderly people residing in Kahrizak Nursing Home. Supported by Tehran University of Medical Sciences. (*Supporting Investigator*)

Attended courses/ workshops

- **2017:** “Project Management”, Pasteur Institute of Iran, Tehran, Iran
- **2016:** “WHO Meeting on outbreak investigation”, Research Centre for Gastroenterology and liver diseases, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- **2014:** “Genetic epidemiology”, Karolinska Institute of Sweden & Cancer Institute of Iran, Tehran, Iran
- **2012:** “Bioinformatics”, Iranian Molecular Medicine Network, Pasteur Institute of Iran, Tehran, Iran
- **2012, 2013, 2014:** “Infectious disease modeling”, Kerman University of Medical Sciences, Kerman, Iran
- **2013:** “Advanced Systematic Reviews and Meta-analysis Methods”, Kerman University of Medical Sciences, Tehran, Iran
- **2007:** “Advanced Systematic Review and Meta-analysis Methods”, Tehran University of Medical Sciences, Tehran, Iran
- **2009:** “Scientific Writing”, Tehran University of Medical Sciences, Tehran, Iran
- **2011, and 2012:** “Advanced Scientific Writing”, Kerman University of Medical Sciences, Tehran, Iran

Languages

- Persian (Native)
- Azeri (Native)
- English (Fluent)
- Turkish (Fluent)
- French (Beginner)
- Arabic (Not advanced)

Hobbies

Traveling, Reading, Painting, Cooking, Doing artworks