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### **Education:**

#### **University of Isfahan**

- Master of Science (M.Sc), Cellular and Molecular Biology, 2012

#### **Kharazmi University**

- Bachelor of Science (BS), Cellular and Molecular Biology, 2008

- **Publications:**

**1.Does Nisin have any Cytotoxic or Apoptogenic effects on Human Astrocytoma Cell Line (SW1088)? (Iranian Journal of Cancer Prevention, in the press). Zainodini N, Hajizadeh MR, Hassanshahi G, Mahmoodi M, Khanamani Falahati-pour S, Mirzaei MR.**

**2.Evaluation of NLRC4, NLRP1, and NLRP3, as Components of Inflammasomes, in Chronic Hepatitis B Virus-Infected Patients. (Viral Immunology, 2016). Askari A, Nosratabadi R, Zainodini N, Kennedy D, Shabani Z, Kazemi Arababadi M.**

**3.The Association between C424c/a Polymorphism within the IL-25 Gene and Multiple Sclerosis. (Iranian Red Crescent Medical Journal, 2016). Zare L, Sheikh Fathollahi M, Kazemi Arababadi M, Shamsizadeh A, Daneshpajouh B, Zainodini N, Allahtavakoli M.**

**4. Altered Expression of Specific Transcription Factors of Th17 (ROR $\gamma$ t, ROR $\alpha$ ) and Treg Lymphocytes (FOXP3) by Peripheral Blood Mononuclear Cells from Patients with Multiple Sclerosis. (Journal of Molecular Neuroscience, 2016). Etesam Z, Nemati M, Ebrahimizadeh MA, Ebrahimi HA, Hajghani H, Khalili T, Frootan R, Zainodini N, Jafarzadeh A.**

**5. An Overlook to the Characteristics and Roles Played by Eotaxin Network in the Pathophysiology of Food Allergies: Allergic Asthma and Atopic Dermatitis. (Inflammation, 2016). Ahmadi Z, Hassanshahi G, Khorramdelazad H, Zainodini N, Koochakzadeh L.**

**6.The effect of quercetin on the expression of some genes involved epigenetic in breast cancer cell lines. (Journal of Fasa University Medical of Sciences, 2015). Mohammadain F, Mahmoudi M, Mirzaee MR, Khoshdel A, Sheikh Fathollahi M, Zainodini N, Hajizadeh MR .**

**7. A Diagnostic and Symptomatology Study on Trichomoniasis in Symptomatic Pregnant Women in Rafsanjan, South Central Iran in 2012-13. (Iranian Journal of Parasitology, 2015). Manshoori A, Mirzaei S, Valadkhani Z, Kazemi Arababadi M, Rezaeian M, Zainodini N, Bahramabadi R, Zare-Bidaki M.**

- 8. Association of cord blood levels of IL-17A, but not TGF- $\beta$  with pre-term neonate. (Iranian Journal of Reproductive Medicine, 2015).** Mobini M, Mirzaie S, Khorramdelazad H, Zainodini N, Sabzali Z, Ghyasi M, Mokhtari M, Bahramabadi R, Hakimi H, Ghorban K, Dadmanesh M, Ehsani V, Kazemi Arababadi M.
- 9. Toll-like receptor 4 plays significant roles during allergic rhinitis. (Allergologia et Immunopathologia, 2015).** Radman M, Golshiri A, Shamsizadeh A, Zainodini N, Bagheri V, Arababadi MK, Kennedy D.
- 10. The frequency of CCR5 promoter polymorphisms and CCR5  $\Delta$  32 mutation in Iranian populations. (Iranian Journal of Basic Medical Sciences, 2015).** Zare-Bidaki M, Karimi-Gogheri M, Hassanshahi G, Zainodini N, Arababadi MK.
- 11. Seminal Levels of Pro-inflammatory (CXCL1, CXCL9, and CXCL10) and Homeostatic (CXCL12) Chemokines in Men with Asymptomatic Chlamydia trachomatis Infection. (Jundishapur Journal of Microbiology, 2014).** Hakimi H, Zainodini N, Khorramdelazad H, Kazemi Arababadi M, Hassanshahi G.
- 12. Molecular and serological detection of acute and latent toxoplasmosis using real-time PCR and ELISA techniques in blood donors of rafsanjan city, Iran, 2013. (Iranian Journal of Parasitology, 2014).** Zainodini N, Zare-Bidaki M, Abdollahi SH, Afroz M, Ziaali N, Ebrahimian M, Kazemi Arababadi M.
- 13. TLR4 in Toxoplasmosis; friends or foe? (Microbial Pathogenesis, 2014).** Zare-Bidaki M, Hakimi H, Abdollahi SH, Zainodini N, Arababadi MK, Kennedy D.
- 14. All eotaxins CCL11, CCL24 and CCL26 are increased but to various extents in pulmonary tuberculosis patients. (Clinical Laboratory, 2014).** Sharifabadi AR, Hassanshahi G, Ghalebi SR, Arababadi MK, Khorramdelazad H, Zainodini N, Shabani Z.
- 15. Significant roles played by IL-10 in Chlamydia infections. (Inflammation, 2014).** Hakimi H, Zare-Bidaki M, Zainodini N, Assar S, Arababadi MK.
- 16. Decreased expression of toll like receptor signaling molecules in chronic HBV infected patients. (Human Immunology, 2014).** Momeni M, Zainodini N, Bidaki R, Hassanshahi G, Daneshvar H, Khaleghinia M, Ebrahim M, Karimi-Gogheri M, Askari A, Arababadi MK, Kennedy D.
- 17. MiR-143 induces expression of AIM2 and ASC in Jurkat cell line. (Iran J Immunol. 2013).** Momeni M, Reza Mirzaei M, Zainodini N, Hassanshahi G, Arababadi MK..
- 18. Differential expression of CXCL1, CXCL9, CXCL10 and CXCL12 chemokines in alopecia areata. (Iranian Journal of Immunology, 2013).** Zainodini N, Hassanshahi G, Arababadi MK, Khorramdelazad H, Mirzaei A.
- 19. Reduced expression of TRIF in chronic HBV infected Iranian patients. (Clinical Research in Hepatology and Gastroenterology, 2013).** Ayoobi F, Hassanshahi G, Zainodini N, Khorramdelazad H, Arababadi MK, Kennedy D.

## Conferences in national meetings:

- Conference Presentation

- **Cloning of non-specific lipid transfer protein (nsLtp2) gene from *Oryza Sativa* to the *E. coli* bacteria (BL21 strain).** Zainodini N, Karimian M, Miroliaei M, Ghaedi K, Moshtaghian J. (2011) 2<sup>nd</sup> National Biology Congress of Iranian young researchers, Tehran, Iran.

- Conference Posters

- **Evaluation of Cytotoxic and Apoptogenic Properties of Nisin in Human Astrocytoma Cell Line (SW1088).** Zainodini N, Mirzaei MR. (2016). 2<sup>nd</sup> International and 14<sup>th</sup> Genetics Congress, Tehran, Iran.
- **Induction of Apoptosis by Mir-155 via CIDEA and CIDEB apoptotic Molecule in Jurkat cell line.** Zainodini N, Momeni M, Kazemi Arababadi M. (2014). 6<sup>th</sup> International Iranian Congress Laboratory and Clinic, Tehran, Iran.
- **Apoptosis Induction in Jurkat cells by MiR-143 in BIRC2 and BIRC3 independent pathway.** Zainodini N, Momeni M, Mirzaei MR, Hassanshahi G, Kazemi Arababadi M. (2013) 3<sup>th</sup> National Medical Genetics Congress, Tehran, Iran.
- **Molecular mechanisms of tumor angiogenesis.** Zainodini N, Rahgozar S. (2012). 2<sup>nd</sup> National Congress of Hematology, Yazd, Iran.
- **Optimization of the condition for purification of nonspecific lipid transfer protein 2 (nsLtp2) from transformed *E. coli* (BL21 strain).** Zainodini N, Miroliaei M, Ghaedi K, Moshtaghian J. (2011). 12<sup>th</sup> National and 4<sup>th</sup> International Conference of Biochemistry and Molecular Biology, Mashhad, Iran.

- Workshop

- **Principle of HRM applications in genetic and epigenetic analysis** at Pasteur institute of Iran, Tehran, Iran (2015).
- **HPLC, Real time PCR, ELISA, Primer designing, and SPSS** at Rafsanjan University of Medical Sciences, Rafsanjan, Iran (2012).
- **Cell and Tissue Culture, Western Blotting** at University of Isfahan, Isfahan, Iran (2011).

## Awards, Honors and Achievements

- The **first Researcher** at Rafsanjan University of Medical Sciences, Rafsanjan, Iran. Autumn 2014.
- The **second Researcher** at Rafsanjan University of Medical Sciences, Rafsanjan, Iran. Winter 2015.

**Leadership: (member of any community, conferences)**

- **2015- Present**  
Member of Iranian genetic society
- **2015- Present**  
Member of Iranian bioinformatics society
- **2015- Present**  
Member of Iranian Cell Death association

**Proficiency in..**

- Gel electrophoresis , PCR (Real time PCR (qPCR), RT –PCR), SDS- PAGE, Western blotting, Affinity Chromatography, Cloning
- Bacterial cell culture, Eukaryotic cell culture
- ELISA