

DR. HANIYEH AZHARI

PROFESSIONAL SUMMARY

I have just started to investigate using of antimicrobial biotechnology in master stage. However, in the Ph.D. stage I have started to perform non-coding RNAs as a biomarker to diagnose cancer. My research also involves genomic and transcriptomic analyses of nucleic acids and novel diagnostic markers for some pregnancy disorders such as Early Pregnancy Loss, Recurrent Implantation Failure by miRNA and mRNA analyses.



EDUCATION

Ph.D., Graduate School of Medicine Science / Molecular Medicine Department
Istanbul University, Turkey, June 2019

Master of Science, Biology, Microbiology Department, Graduate School of Science and Engineering, Zanjan Azad University, Iran, Jan 2010

Bachelor of Science, Cellular and Molecular Biology, Microbiology Department, Graduate School of Science and Engineering, Zanjan Azad University, Iran, Feb 2005

WORK EXPERIENCE

2023-2025: Board of Directors and Founder and VIRA GROUP and ARTIGENE Biotech companies.

2015-2018: Working as a researcher in Cancer molecular diagnosis research, Istanbul University Faculty of Medicine

2008-2010: Working as a student assistant in the course: Genetics lab, Microbiology lab, Cellular and Molecular lab in Zanjan Azad University.

SKILLS

Technique familiarity: Genetic Engineering, Microbiology and Molecular Biology

- DNA and RNA extraction: from Bacterial, Blood, tissue samples
- Molecular Biology Methods: Electrophoresis (Polyacrylic Amid, Agarose, Bioanalyzer), RFLP (Restriction Fragment Length Polymorphism), PCR, Real time PCR and RT-PCR, Digital PCR, Microarray, Array CGH and Next Generation Sequencing, and SNP genotyping.
- Common Microbiology methods: Culture and analyses bacteria.

CONTACT

Address: Istanbul - Turkey

Phone: +90537 282 1885

Email: Azhari@artigenbiotech.com

WEBSITE: www.artigenbiotech.com

RG: <https://www.researchgate.net/profile/Fatemeh-Azhari-2>

RESEARCH INTEREST

- Antimicrobial biotechnology
 - Epigenetics and epigenomics
 - Human genetics
 - Non-invasive prenatal diagnostic
 - Molecular diagnosis in cancer
 - Molecular biomarker detection
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LANGUAGES

- Azari: Fluent (native)
 - Persian: Fluent (native)
 - Turkish: Fluent
 - English: Advanced
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RESEARCH PROJECTS

- Prevalence of PER and VEB Type Extended Spectrum Betalactamases among Multidrug Resistant *Acinetobacter baumannii* Isolates in North-West of Iran.
- Isolation and characterization of a novel human scFv inhibiting EGFRvIII expressing cancers.
- Molecular mechanisms of brain tissue in a person with heroin dependence.
- The Role of the Serum Exosomal and Endometrium microRNAs in Recurrent Implantation Failure.
- Investigation of effects of MTHFR C677T and A1298C gene variations on kidney cancer formation

PUBLICATIONS

1. **Azhari F**, Pence S, Hosseini MK, Karamustafaoglu Balci B, Cevik N, Bastu E & Gunel T. The role of the serum exosomal and endometrial microRNAs in recurrent implantation failure. *The Journal of Maternal-Fetal & Neonatal Medicine*, 2020, DOI: 10.1080/14767058.2020.1849095.
 2. Ahdi Khosroshahi S, Farajnia S, **Azhari F**, Hosseini MK, Khanipour F, Farajnia H and Naghili B. Antimicrobial Susceptibility Pattern and Prevalence of Extended-Spectrum β -Lactamase Genotypes among Clinical Isolates of *Acinetobacter baumannii*. Tabriz, North-West of Iran, Jundishapur Journal of Microbiology, 2017. DOI: <http://dx.doi.org/10.5812/jjm.13368>.
 3. Peymani A, Farajnia S, Nahaei MR, Sohrabi N, Abbasi L, Ansarin K, Azhari F. Prevalence of class 1 integron among multidrug-resistant *Acinetobacter baumannii* in Tabriz, northwest of Iran. *Pol J Microbiol*. 2012;61(1):57-60
 4. Farajnia S, Azhari F, Alikhani MY, **Hosseini MK**, Peymani A, Sohrabi N. Prevalence of PER and VEB Type Extended Spectrum Betalactamases among Multidrug Resistant *Acinetobacter baumannii* Isolates in North-West of Iran. *Iran J Basic Med Sci*. 2013 Jun;16(6):751-5.
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PRESENTATIONS

1. Azhari F, Farajnia S, Sohrabi N. Prevalence of PER and VEB Type Extended Spectrum Betalactamases among Multidrug Resistant *Acinetobacter baumannii* Isolates in North-West of Iran. 7th International Congress of Microbiology 2010. Rasht, Iran.
2. F. Azhari, S. Pence, M.K. Hosseini, B. Karamustafaoglu Balci, N. Cevik, E. Bastu, T. Gunel, The role of endometrial and circulating miRNAs in the recurrent implantation failure (RIF), 2th World Congress on Genetic and Genetic Disorders, 13-14 May 2019, Stockholm, Sweden.
3. F. Azhari, S. Pence, M.K. Hosseini, B. Karamustafaoglu Balci, N. Cevik, E. Bastu, T. Gunel, the role of endometrial and circulating miRNAs in the recurrent implantation failure (RIF), 35th Annual Meeting of European society of Human Reproduction and Embryology (ESHRE), 23-26 Jun 2019,

4. Azhari F. Prevalence of PER and VEB Type Extended Spectrum Betalactamases among Multidrug Resistant *Acinetobacter baumannii* Isolates in North-West of Iran. The 5th International Congress on Quality Improvement in Clinical Laboratories 2009. Tehran, Iran.
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MEMBERSHIPS IN ORGANIZATIONS

2019-today, International Society for Prenatal Diagnosis (ISPD)

2018-today, European Society of Human Reproduction and Embryology (ESHRE)

REFERENCES

1. Prof. Dr. Tuba GÜNEL, Istanbul University, Istanbul/Turkey – Molecular Biology and Genetics Department- Human Diseases Research and Molecular Diagnosis Laboratory- Istanbul/Turkey -Tel: +90 212 4400000 / 15473, gunel@istanbul.edu.tr (Ph.d Advisor).
 2. Prof. Dr. Safar Farajnia, Director of Molecular Biology Department of Drug Applied & Biotechnology Research Center, Tabriz University of Medical sciences/ Tabriz/ Iran – Tel: +98 413 3363234, farajnia@gmail.com.
 3. Prof. Dr. Ercan Bastu, Acibadem University, Istanbul/Turkey-Tell: +905548105424, ercanbastu@gmail.com.
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