

CURRICULUM VITAE

Name and Surname: Nur Ekimci Gürcan
Academic Title: Assistant Professor
Work Address:
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Foreign Languages Known (Score and Year): English, C1 Advanced, 2021
Area of Expertise: Bioinformatics
Medical Biology
Medical Genetics
Molecular Biology and Genetics

| Degree | Department/Program | University | Year |
|-------------------|---|---------------------|------|
| Doctorate | BİYOTEKNOLOJİ (DR) (İNGİLİZCE) | Yeditepe University | 2023 |
| Master's Degree | BİYOTEKNOLOJİ (YL) (TEZLİ) (İNGİLİZCE) | Yeditepe University | 2016 |
| Bachelor's Degree | GENETİK VE BİYOMÜHENDİSLİK (İNGİLİZCE) (TAM BURSLU) | Yeditepe University | 2012 |

Master's Thesis Title (abstract attached) and Thesis Supervisor(s):

The effects of chronic 3-hydroxy-3-methylglutaryl coenzyme a (HMG CoA) reductase inhibitor administration on penicillin induced brain epileptic activity

Doctoral Thesis/Proficiency Study/Medical Specialization Thesis Title (abstract attached) and Supervisor(s):

Identification of genomic and transcriptomic variants in chordoma cancer stem cells

| Position Title | Workplace | Year |
|---------------------|-------------------|----------------|
| Assistant Professor | Biruni University | 2023-Continues |
| Lecturer | Haliç University | 2014-2016 |

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

A1. Fettah M. Ü., Ekimci Gürcan N., Yorulmaz E., Oğuz B., Köseoğlu A. E., Ayaz F., Aydemir E., "Deciphering the Structural and Molecular Effects of a Novel Genetic Mutation by In Silico Analysis in Chordoma Cell Line", *Journal of Neurological Surgery, Part B: Skull Base*, 2026.

A2. Ekimci Gürcan N., "Investigation of the synergistic effect of metformin and FX11 on PANC-1 cell lines", *Biological Research*, vol. 58, no. 1, 2025.

A3. Gürcan M. B., Ekimci Gürcan N., Özarslan F. S., Gökçe B., Özpamukçu B. N., Aydemir E., Ayaz F., "Immunomodulatory effects of amisulpride on mammalian macrophages", *Irish Journal of Medical Science*, 2025.

- A4.** Seven D., Taghavi Pourianazar N., Ekimci Gürçan N., Ozbey U., Sahin M., Kuskucu A. C., Akduman S., Tuysuz E. C., Telci D., Bayrak O. F., "Identifying the therapeutic role of CD90 as a key player in cancer treatment for aggressive tumours", *Journal of Taibah University for Science*, vol. 19, no. 1, 2025.
- A5.** Tecimel D., Ekimci Gürçan N., Seven D., Ozbey U., Türe U., Bayrak Ö. F., "Loss of CD90 alters EMT-associated features and drug sensitivity in U-CH1 chordoma cells", *Naunyn-Schmiedeberg's Archives of Pharmacology*, 2025.
- A6.** Deniz A. H., Aydemir E., Ekimci Gürçan N., Dabo Jakir A., Faruk Bayrak Ö., Şahin F., Ayaz F., "Improved Malignancy of Colon Cancer Cells at Gene Expression Level With Constitutive Activation of the Eukaryotic Elongation Factor 2 Under Nutrition-Deficient Conditions", *Chemistry and Biodiversity*, 2025.
- A7.** Akduman S., Ekimci Gürçan N., Kizililsoley N., Dalan A. B., Bayrak Ö. F., Nikerel E., "Shared and unique transcriptomic signature genes and pathways among biopsy, peripheral blood mononuclear cells and bronchoalveolar lavage samples in IPF patients revealed using comparative meta-transcriptome analysis Karşılaştırmalı meta-transkriptom analizi ile İPF hastalarında biyopsi, periferik kan mononükleer hücreleri ve bronkoalveolar lavaj örnekleri arasında transkriptomik imza genler ve yolları", *Tuberkuloz ve Toraks*, vol. 72, no. 3, 2024.
- A8.** Taşlı N. P., Gönen Z. B., Kırbaş O. K., Gökdemir N. S., Bozkurt B. T., Bayrakçı B., Sağraç D., Taşkan E., Demir S., Ekimci Gürçan N. vd., "Preclinical Studies on Convalescent Human Immune Plasma-Derived Exosome: Omics and Antiviral Properties to SARS-CoV-2", *Frontiers in Immunology*, vol. 13, 2022.
- A9.** Duruksu G., Polat S., Kayış L., Ekimci Gürçan N., Gacar G., Yazır Y., "Improvement of the insulin secretion from beta cells encapsulated in alginate/poly-L-histidine/alginate microbeads by platelet-rich plasma", *Turkish Journal of Biology*, vol. 42, no. 4, pp. 297-306, 2018.
- A10.** Seker F., Kilic U., Çağlayan B., Ethemoglu M., Çağlayan A., Ekimci Gürçan N., Demirci S., Dogan A., Oztezcan S., Sahin F. vd., "HMG-CoA reductase inhibitor rosuvastatin improves abnormal brain electrical activity via mechanisms involving eNOS", *Neuroscience*, vol. 284, pp. 349-359, 2015.
- A11.** Eren Z., Günel M. Y., Bakir E. A., Coban J., Çağlayan B., Ekimci Gürçan N., Ethemoglu S., Albayrak O., Akdeniz T., Demirel G. Y. vd., "Effects of paricalcitol and aliskiren combination therapy on experimental diabetic nephropathy model in rats", *Kidney and Blood Pressure Research*, vol. 39, no. 6, pp. 581-590, 2014.

B. Papers presented at international scientific meetings and published in proceedings:

- B1.** Ekimci Gürçan N., Determining the Relationship between NLRP3 Inflammasome Activation and Mitophagy in a Neuronal Progenitor Cell Line Derived Alzheimer's Disease Model, In: *7th European Conference of Immunology*, Dublin, Ireland, 2024, pp. 1365-1365.
- B2.** Ekimci Gürçan N., TPD52L1 Gene Silencing Hinders Migration and Invasion Potential of Chordoma Cells in Vitro, In: *56th Annual Conference of the European-Society-of-Human-Genetics (ESHG)*, Glasgow, United Kingdom, 2024, pp. 592-592.
- B3.** Ekimci Gürçan N., Tumorsphere derived chordoma cancer stem cells have low migration and invasion capacities, In: *The 53rd European Society of Human Genetics (ESHG) Conference*, United Kingdom, 2020, pp. 501-502.
- B4.** Ekimci Gürçan N., Investigation of the synergistic effect of metformin and FX11 agents on cell proliferation in PANC-1 cell line, In: *52nd Conference of the European-Society-of-Human-Genetics (ESHG)*, Gothenburg, Sweden, 2019, pp. 1582-1582.

D. Articles published in national peer-reviewed journals:

- D1.** Güllüoğlu Ş., Tuysuz E. C., Taghavi Pourianazar N., Ekimci Gürçan N., Özbey U., Kuşkucu A., Bayrak Ö. F., "Diş Kök Hücrelerindeki miRNA Regülasyonu", *Türkiye Klinikleri J Endod-Special Topics*, vol. 4, no. 1, pp. 33-41, 2018.