CURRICULUM VITAE AND PUBLICATIONS LIST

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. Aydemir E., Uran S. Y., Ekimci Gürcan N., Aroğuz A. Z., Ayaz F., "Immunomodulatory activity of phenylephrine on LPS stimulated macrophages", *Immunopharmacology and Immunotoxicology*, vol. 48, no. 5, pp. 760-766, 2026.

A2. 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.

A3. Ekimci Gürcan N., "Investigation of the synergistic effect of metformin and FX11 on PANC-1 cell lines", *Biological Research*, vol. 58, no. 1, 2025.

A4. 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.

A5. Seven D., Taghavi Pourianazar N., Ekimci Gürcan 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.

A6. Tecimel D., Ekimci Gürcan 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.

A7. Deniz A. H., Aydemir E., Ekimci Gürcan 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.

A8. Akduman S., Ekimci Gürcan 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 yolakları", *Tuberkuloz ve Toraks*, vol. 72, no. 3, 2024.

A9. Taşlı N. P., Gönen Z. B., Kırbaş O. K., Gökdemir N. S., Bozkurt B. T., Bayrakcı B., Sağraç D., Taşkan E., Demir S., Ekimci Gürcan 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.

A10. Duruksu G., Polat S., Kayiş L., Ekimci Gürcan N., Gacar G., Yazir 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.

A11. Seker F., Kilic U., Caglayan B., Ethemoglu M., Caglayan A., Ekimci Gürcan 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.

A12. Eren Z., Günal M. Y., Bakir E. A., Coban J., Çaılayan B., Ekimci Gürcan 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 Gürcan 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 Gürcan 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 Gürcan 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 Gürcan 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., Tüysüz E. C., Taghavı Pourıanazar N., Ekimci Gürcan N., Özbey U., Kuşkucu A., Bayrak Ö. F., "Diş Kök Hücrelerindeki miRNA Regülasyonu", *Turkiye Klinikleri J Endod-Special Topics*, vol. 4, no. 1, pp. 33-41, 2018.