CURRICULUM VITAE

Name and Surname:	Nur Ekimci Gurcan
Date of Birth:	1989
Academic Title:	Assistant Professor
Work Address:	
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Foreign Languages Known (Score	

and Year):

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

Undergraduate and graduate level courses taught in the last two years (If offered, summer courses will also be added to the table):

Academic Year	Semester	Course Name	Weekly Hours		Number of
			Theoretical	Practical	Students
2024	Spring	Genetics			
2024	Spring	Molecular Genetics			
2024	Spring	Bioinformatics			
2024	Spring	Project Design			

2024	Spring	İleri Hücre Kültürü Yöntemleri		
2024	Fall	Genetics		
2024	Fall	Molecular Genetics		
2024	Fall	Bioinformatics		
2024	Fall	Project Design		
2024	Fall	İleri Hücre Kültürü Yöntemleri		

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1. "Investigation of the synergistic effect of metformin and FX11 on PANC-1 cell lines", Biological Research, 2025.
- A2. "Loss of CD90 alters EMT-associated features and drug sensitivity in U-CH1 chordoma cells", Naunyn-Schmiedeberg's Archives of Pharmacology, 2025.
- A3. "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.
- A4. "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, 2024.
- A5. "Preclinical Studies on Convalescent Human Immune Plasma-Derived Exosome: Omics and Antiviral Properties to SARS-CoV-2", Frontiers in Immunology, 2022.
- A6. "Improvement of the insulin secretion from beta cells encapsulated in alginate/poly-l-histidine/alginate microbeads by plateletrich plasma", Turkish Journal of Biology, 2018.
- A7. "HMG-CoA reductase inhibitor rosuvastatin improves abnormal brain electrical activity via mechanisms involving eNOS", Neuroscience, 2015.
- A8. "Effects of paricalcitol and aliskiren combination therapy on experimental diabetic nephropathy model in rats", Kidney and Blood Pressure Research, 2014.

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

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

D. Articles published in national peer-reviewed journals:

 $D1.\ "Di\slash K\"{o}k\ H\"{u}crelerindeki\ miRNA\ Reg\"{u}lasyonu",\ Turkiye\ Klinikleri\ J\ Endod-Special\ Topics,\ 2018.$