

## Lect. SEZEN GÜNTEKİN ERGÜN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-4872-2021

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### Education Information

Doctorate, Ankara University, Biyoteknoloji Enstitüsü, Biyoteknoloji Anabilim Dalı, Turkey 2010 - 2015

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Turkey 2004 - 2007

Undergraduate, Gazi University, Fen Fakültesi, Turkey 1999 - 2004

### Research Areas

Health Sciences, Natural Sciences

### Academic Titles / Tasks

Lecturer PhD, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, 2018 - Continues

Researcher, Middle East Technical University, Graduate School Of Informatics, Medical Informatics, 2016 - 2018

Administrative Staff, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2006 - 2016

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Novel indole-pyrazole hybrids as potential tubulin-targeting agents; Synthesis, antiproliferative evaluation, and molecular modeling studies**  
Hawash M., Ergun S., KAHRAMAN D. C., OLĞAÇ A., Hamel E., Cetin-Atalay R., BAYTAŞ S.  
Journal of Molecular Structure, vol.1285, 2023 (SCI-Expanded)
- II. **Vicinal Diaryl-Substituted Isoxazole and Pyrazole Derivatives with In Vitro Growth Inhibitory and In Vivo Antitumor Activity**  
Turanlı S., NALBAT E., LENGRELİ D., İBİŞ K., Ergun S., Guzelcan E. A., MUYAN M., Cetin-Atalay R., ÇALIŞKAN B., BANOĞLU E.  
ACS OMEGA, vol.7, no.41, pp.36206-36226, 2022 (SCI-Expanded)
- III. **Clinical and molecular evaluation of MEFV gene variants in the Turkish population: a study by the National Genetics Consortium**  
DÜNDAR M., FAHRİOĞLU U., Yıldız S. H., Bakir-Gungor B., TEMEL Ş. G., AKIN H., ARTAN S., Cora T., ŞAHİN F. İ., DURSUN A., et al.  
FUNCTIONAL & INTEGRATIVE GENOMICS, vol.22, no.3, pp.291-315, 2022 (SCI-Expanded)
- IV. **Design and synthesis of novel substituted indole-acrylamide derivatives and evaluation of their anti-**

**cancer activity as potential tubulin-targeting agents**

Hawash M., KAHRAMAN D. C., OLĞAÇ A., Ergun S., Hamel E., Cetin-Atalay R., BAYTAŞ S.

JOURNAL OF MOLECULAR STRUCTURE, vol.1254, 2022 (SCI-Expanded)

- V. **EGF-SNX3-EGFR axis drives tumor progression and metastasis in triple-negative breast cancers**  
Cicek E., Circir A., Oyken M., Akbulut Caliskan O., DÖKEN D. N., Guntekin Ergun S., Cetin-Atalay R., Sapmaz A., Ovaa H., Sahin O., et al.  
Oncogene, vol.41, no.2, pp.220-232, 2022 (SCI-Expanded)
- VI. **Identification of an mRNA isoform switch for HNRNPA1 in breast cancers**  
Erdem M., ÖZGÜL İ., DÖKEN D. N., Gurcuoglu I., Guntekin Ergun S., Cetin-Atalay R., CAN T., ERSON BENSAN A. E.  
Scientific Reports, vol.11, no.1, 2021 (SCI-Expanded)
- VII. **Genome-wide association and whole exome sequencing studies reveal a novel candidate locus for restless legs syndrome**  
ERGÜN U., Say B., Ergun S., PERÇİN F. E., Inan L., Kaygisiz S., Asal P. G., Yurteri B., Struchalin M., Shtokalo D., et al.  
EUROPEAN JOURNAL OF MEDICAL GENETICS, vol.64, no.4, 2021 (SCI-Expanded)
- VIII. **Role of glutathione S-transferase P1 polymorphism in early transplant complications in patients undergoing allogeneic stem cell transplantation**  
Saritas H., Suyani E., Güntekin S., Zeynep A., ERGÜN M. A., ÇELİK B., Sucak G.  
Journal of Cancer Research and Therapeutics, vol.17, no.2, pp.565-573, 2021 (SCI-Expanded)
- IX. **Is cervical swab an efficient method for developing a new noninvasive prenatal diagnostic test for numerical and structural chromosome anomalies?**  
Yurtcu E., Karçaaltıncaba D., Kazan H. H., Ozdemir H., Yirmibeş Karaoğuz M., Calis P., Kayhan G., Güntekin Ergün S., Perçin F. E., Bayram M., et al.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.51, no.3, pp.1043-1048, 2021 (SCI-Expanded)
- X. **Intelligent Ratio: A New Method for Carrier and Newborn Screening in Spinal Muscular Atrophy**  
Cavdarli B., Ozturk F. N., Guntekin Ergun S., ERGÜN M. A., DOĞAN Ö., Percin E. F.  
GENETIC TESTING AND MOLECULAR BIOMARKERS, vol.24, no.9, pp.569-577, 2020 (SCI-Expanded)
- XI. **Inherited eye diseases in Turkey: Current approaches and future directions**  
Yaylacioğlu Tuncay F., Güntekin Ergün S., Oner A., Turan A., Özmert E., Ergün M. A., Özdek Ş.  
AMERICAN JOURNAL OF MEDICAL GENETICS PART C-SEMINARS IN MEDICAL GENETICS, vol.184, no.3, pp.773-781, 2020 (SCI-Expanded)
- XII. **Identification of small-molecule urea derivatives as novel NAMPT inhibitors via pharmacophore-based virtual screening**  
Ozgencil F., EREN G., ÖZKAN Y., GÜNTEKİN ERGÜN S., Cetin-Atalay R.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.28, no.1, 2020 (SCI-Expanded)
- XIII. **Pharmacophore modeling and virtual screening studies to identify novel selective SIRT2 inhibitors**  
Eren G., Bruno A., Guntekin-Ergun S., Cetin-Atalay R., Ozgencil F., Özkan Y., Gozelle M., Kaya S. G., Costantino G.  
JOURNAL OF MOLECULAR GRAPHICS & MODELLING, vol.89, pp.60-73, 2019 (SCI-Expanded)
- XIV. **Single-Nucleotide Polymorphisms in IL23R-IL12RB2 (rs1495965) Are Highly Prevalent in Patients with Behcet's Uveitis and Vary Between Populations**  
Kramer M., Hasanreisoglu M., Weiss S., Kumova D., Schaap-Fogler M., Guntekin-Ergun S., Ozdek S., Gurelik G., Ergün M. A., Goldenberg-Cohen N., et al.  
Ocular Immunology and Inflammation, vol.27, no.5, pp.766-773, 2019 (SCI-Expanded)
- XV. **The relation between isolated micropenis in childhood with CAG and GGN repeat polymorphisms in the androgen receptor gene**  
TUĞ E., Güntekin Ergün S., ERGÜN M. A., Dilek F. N., Perçin E. F.  
Turkish Journal of Medical Sciences, vol.48, no.2, pp.430-434, 2018 (SCI-Expanded)
- XVI. **Analysis of genetics and risk factors of Alzheimer's Disease**  
Panpalli Ates M., Karaman Y., Guntekin S., ERGÜN M. A.  
Neuroscience, vol.325, pp.124-131, 2016 (SCI-Expanded)
- XVII. **The evaluation of long-term effects of ionizing radiation through measurement of current sister chromatid exchange (SCE) rates in radiology technologists, compared with previous SCE values**

TUĞ E., KAYHAN G., Kan D., Guntekin S., ERGÜN M. A.

Mutation Research - Genetic Toxicology and Environmental Mutagenesis, vol.757, no.1, pp.28-30, 2013 (SCI-Expanded)

**XVIII. The prognostic role of hemochromatosis H63D allele in allogeneic hematopoietic stem cell transplantation**

Sucak G. T., Yaşar D. G., YEGİN Z. A., ERGÜN M. A., ÖZKURT Z. N., Akı Ş. Z., Güntekin S.

Annals of Hematology, vol.91, no.8, pp.1281-1287, 2012 (SCI-Expanded)

## Articles Published in Other Journals

**I. The Reply**

Tuncay F. Y., Ceylanoglu K. S., GÜNTEKİN ERGÜN S., TARLAN B., KONUK O.

TURK OFTALMOLOJİ DERGİSİ-TURKISH JOURNAL OF OPHTHALMOLOGY, vol.54, no.4, pp.247-250, 2024 (ESCI)

**II. EVALUATION OF MITOCHONDRIAL DNA MUTATIONS IN SIX FAMILIES BY RESEQUENCING ARRAY MİTOKONDRIYAL DNA MUTASYONLARININ TEKRAR DİZİLEME ARRAY YÖNTEMİ İLE ALTI AİLEDE DEĞERLENDİRİLMESİ**

Kolbaşı Demircioğlu G., Güntekin Ergün S., Gücüyener K., Perçin F. E., Ergün M. A.

Istanbul Tıp Fakültesi Dergisi, vol.86, no.1, pp.78-87, 2023 (Scopus)

**III. Synthesis of novel indole-isoxazole hybrids and evaluation of their cytotoxic activities on hepatocellular carcinoma cell lines**

Hawash M., KAHRAMAN D. C., Ergun S., Cetin-Atalay R., BAYTAŞ S.

BMC Chemistry, vol.15, no.1, 2021 (Scopus)

**IV. A new approach (EDIZ) for big data variant prioritization**

ERGÜN M. A., Ergun S., Percin E. F.

NETWORK MODELING AND ANALYSIS IN HEALTH INFORMATICS AND BIOINFORMATICS, vol.8, no.1, 2019 (ESCI)

## Books & Book Chapters

**I. Temel DNA Teknolojileri:DNA amplifikasyonu,nükleik asit hibridizasyonu ve DNA dizileme**

GÜNTEKİN ERGÜN S.

in: İnsan Moleküler Genetiği, Pervin Dinçer, Editor, Hipokrat, Ankara, pp.161-201, 2020

## Refereed Congress / Symposium Publications in Proceedings

**I. Meme Kanserinde Vus'ların Sinyal Yolakları İle İlişkisi**

GÜNTEKİN ERGÜN S., ŞAHİN F. İ.

15.ulusal tıbbi genetik kongresi, Muğla, Turkey, 9 - 13 November 2022

**II. The story of a novel compound targeting the Hippo pathway in hepatocellular carcinoma**

GÜNTEKİN ERGÜN S.

2nd International Multidisciplinary Cancer Research Congress, Giresun, Turkey, 21 - 24 July 2022

**III. Genome-Wide Association and Whole Exome Sequencing Studies reveal a Novel Candidate Locus for Restless Legs Syndrome**

ERGÜN U., SAY B., GÜNTEKİN ERGÜN S., PERÇİN F. E., İnan L., KAYGISIZ Ş., Gelener Asal P., Yurteri B., Struchalin M., Shtokalo D., et al.

54th European Society of Human Genetics (ESHG) Conference:Virtual Conference, 28 - 31 August 2021

**IV. Hepatosellüler kanserde YAP proteini hedefli yeni bileşiklerin belirlenmesi**

GÜNTEKİN ERGÜN S., SARI S., AVCI A., DİNÇER P. R.

17. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, 28 - 31 October 2021

- V. **Hepatosellüler Kanserde MST1/2 Kinaz İnhibitörünün Etkisi**  
Güntekin Ergün S., Ünsal Ş., Dinçer P. R.  
Ankara Hematoloji ve Onkoloji Günleri, Ankara, Turkey, 02 April 2021
- VI. **KONJENİTAL KALP HASTALIĞI OLAN ÇOCUKLARDA APO E GEN POLİMORFİZMİNİN NÖRO-BİLİŞSEL İŞLEVLERE ETKİSİ**  
BEDİR DEMİRDAĞ T., GÜCÜYENER K., SOYSAL ACAR A. Ş., GÜNTEKİN ERGÜN S., ERGÜN M. A., OLGUNTÜRK F. R.  
22. PEDIATRİ GÜNLERİ, İzmir, Turkey, 25 - 27 March 2021
- VII. **Creating Rare Disease Specific CRISPR-Cas9 Platforms in Zebrafish and Ensuring Their Sustainability in Hacettepe University Zebrafish Research Laboratory: Challenges in mimicking missense variants**  
Yaylacioğlu Tuncay F., Kural Mangıt E., Kayman Kürekçi G., Güntekin Ergün S., Dinçer P. R.  
2nd Zebrafish Workshop, Turkey, Ankara, Turkey, 18 March 2021, pp.7
- VIII. **Effect of MST1/2 kinase inhibitor on LGMD2R phenotype**  
Güntekin Ergün S., Dinçer P. R.  
14. Ulusal Tıbbi Genetik Kongresi, Ankara, Turkey, 20 - 22 November 2020, pp.56
- IX. **Synthesis of 3-4-diaryl-5-methylisoxazoles with potent antiproliferative activity against a panel of human liver and breast cancer cell lines**  
LENGERLİ D., TURANLI S., ÇALIŞKAN B., AKHAN GÜZELCAN E., GÜNTEKİN ERGÜN S., ATALAY R., BANOĞLU E.  
EFMC-ISMC&EFMC-YMCS, 09 September 2020
- X. **OSTEOPOROSIS PSEUDOGLIOMA SYNDROME DUE TO LRP5 GENE MUTATION**  
Güntekin Ergün S., Gümüş-Akay G., Ergün M. A., Perçin F. E., Dinçer P. R.  
2. Genetikte Güncel Tedaviler, Konya, Turkey, 5 - 06 October 2019, pp.3
- XI. **A new approach (EDIZ) for Big Data Variant Prioritization**  
ERGÜN M. A., GÜNTEKİN ERGÜN S., PERÇİN F. E.  
13th Balkan Congress of Human Genetics, Edirne, Turkey, 17 - 20 April 2019, vol.22, pp.1-234
- XII. **Prosigna assay for treatment decisions in early breast cancer: A single center, decision impact study**  
ESİN E., Öksüzoğlu B. O., MARKOÇ F., BİLGETEKİN İ., YILDIZ F., GÜNTEKİN ERGÜN S., Yukruk F., ATALAY R.  
2018 San Antonio Breast Cancer Symposium, San-Antonio, Northern Mariana Islands, 4 August - 08 December 2018
- XIII. **A new method for analysis of whole exome sequencing data (SELIM) depending on variant prioritization**  
ERGÜN M. A., Unal A., GÜNTEKİN ERGÜN S., PERÇİN F. E.  
50th European Society of Human Genetics Conference, Denmark, 27 - 30 May 2017
- XIV. **DEVELOPING A NEW SCREENING KIT FOR DETERMINATION OF SPINAL MUSCULAR ATROPHY CARRIER PATIENTS WITH REAL-TIME PCR METHOD**  
ÇAVDARLI B., DİLEK F. N., GÜNTEKİN ERGÜN S., ERGÜN M. A., PERÇİN F. E.  
Erciyes Medical Genetics Days 2018, Kayseri, Turkey, 7 - 10 March 2018
- XV. **A NEW METHOD FOR ANALYSIS OF EXOME SEQUENCING DATA DEPENDING ON VARIANT PRIORITIZATION**  
ERGÜN M. A., unal a., GÜNTEKİN ERGÜN S., PERÇİN F. E.  
Erciyes Medical Genetics Days 2018, Kayseri, Turkey, 7 - 10 March 2018
- XVI. **Meme kanserinin subtiplemesinde qRT-PCR ve nCounter teknolojisi kullanan Prosigna kitinin sonuçlarının karşılaştırılması**  
GÜNTEKİN ERGÜN S., İRİGÜL SÖNMEZ Ö., ÜNER A., Çetin Atalay R.  
XV. ULUSAL TIBBİ BİYOLOJİ VE GENETİK KONGRESİ, Ölüdeniz/Fethiye/Muğla, Turkey, 26 - 29 October 2017
- XVII. **Genetic analysis of CHST6 and TGFBI in Turkish patients with corneal dystrophies: Five novel variations in CHST6**  
Yaylacioğlu Tuncay F., Kayman Kürekçi G., Güntekin Ergün S., Paşaoğlu Ö. T., Akata R. F., Dinçer P. R.  
ESHG Conference, Vienna, Austria, 27 May 2017
- XVIII. **Genetic analysis of the CHST6 and TGFBI genes in Turkish patients with corneal dystrophies five novel variations in CHST6**  
Yaylacioğlu Tuncay F., Kayman Kürekçi G., Güntekin Ergün S., Paşaoğlu Ö. T., Eke R., Dinçer P. R.

## Supported Projects

Güntekin Ergün S., TUBITAK Project, Hepatosellüler karsinomada Hippo sinyal yolađı hedefli bileşiklerin mekanizmasının aydınlatılması, 2023 - 2026

Güntekin Ergün S., Baytaş S., Kahraman D. C., Eren G., TUBITAK Project, Öncü Bileşik Optimizasyonu ile Tasarlanan Antikanser Etkili Olabilecek Yeni Bileşiklerin Sentezi, Yapı-Etki İlişkileri ve Moleküler Etki Mekanizmalarının İncelenmesi, 2022 - 2025

KOCAEFE Y. Ç., PEYNİRCİOđLU B., YEŞBEK KAYMAZ A., AKKAYA ULUM Z. Y., GÜNTEKİN ERGÜN S., AKSU MENGEŞ E., AKBABA T. H., YURTER H., DİNÇER P. R., DAYANGAÇ ERDEN D., et al., Project Supported by Higher Education Institutions, Hücre Temelli Hastalık Modellerinin Geliştirilmesi ile İşlevsel Genombilim Araştırmalarının Etki Gücünün Arttırılması, 2022 - 2024

GÜNTEKİN ERGÜN S., DİNÇER P. R., SARI S., AVCI A., Project Supported by Higher Education Institutions, Hepatosellüler Kanser Tedavisi için Hippo Sinyal Yolađı YAP Proteini Hedefli Yeni Aday Moleküllerin Geliştirilmesi, 2021 - 2024

Dinçer P. R., Güntekin Ergün S., Talim B., Yaylaciođlu Tuncay F., TUBITAK Project, CRISPR/Cas9 Aracılıđıyla LRP5 Mutant Zebra Balıđı Oluşturularak Oküler Gelişim Patolojisinin İncelenmesi , 2021 - 2022

## Metrics

Publication: 41

Citation (WoS): 3

Citation (Scopus): 63

H-Index (WoS): 1

H-Index (Scopus): 5

## Non Academic Experience

Köln Üniversitesi İnsan Genetiđi Enstitüsü