

Asst. Prof. EMEL BAŐAK GENCER AKŐOK

Personal Information

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Address: Abdullah Gül University Sümer Campus Faculty of Life and Natural Sciences Molecular Biology and Genetics Department

International Researcher IDs

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Yoksis Researcher ID: 130917

Education Information

Doctorate, Ecole Polytechnique Fédérale de Lausanne, EPFL (The Federal Institute of Technology, Lausanne), Bioengineering, Switzerland 2011 - 2015

Postgraduate, Izmir Institute Of Technology, Faculty Of Science, Department Of Molecular Biology And Genetics (English), Turkey 2008 - 2010

Undergraduate, Ege University, Faculty Of Science, Biyokimya Bölümü, Turkey 2004 - 2008

Foreign Languages

French, B1 Intermediate

English, B2 Upper Intermediate

German, A2 Elementary

Research Areas

Life Sciences

Academic Titles / Tasks

Assistant Professor, Abdullah Gul University, Yaőam Ve Doęa Bilimleri Fakóltesi, Moleküler Biyoloji Ve Genetik, 2018 - Continues

Research Assistant, Ecole Polytechnique Fédérale de Lausanne, EPFL (The Federal Institute of Technology, Lausanne), Bioengineering, 2011 - 2015

Research Assistant, Izmir Institute Of Technology, Faculty Of Science, Department Of Molecular Biology And Genetics (English), 2008 - 2011

Academic and Administrative Experience

Deputy Director of the Center, Abdullah Gul University, Yaőam ve Doęa Bilimleri Fakóltesi, 2019 - Continues

Head of Department, Abdullah Gul University, Yaőam ve Doęa Bilimleri Fakóltesi, Moleküler Biyoloji Ve Genetik, 2018 -

Continues

Head of Department, Abdullah Gul University, Yaşam ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik, 2018 -
Continues

Courses

Undergraduate

Molecular Medicine, Undergraduate, 2021 - 2022

General Biochemistry II, Undergraduate, 2021 - 2022

Epigenetics, Undergraduate, 2022 - 2023

Biochemistry, Undergraduate, 2021 - 2022

Hücre Biyolojisi, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Rapamycin and Niacin combination induces apoptosis and cell cycle arrest through autophagy activation on acute myeloid leukemia cells**
Subay L. B., Gencer Akçok E. B., Akçok İ.
Molecular Biology Reports, vol.52, no.1, 2025 (SCI-Expanded)
- II. **Tomatidine, a Steroidal Alkaloid, Synergizes with Cisplatin to Inhibit Cell Viability and Induce Cell Death Selectively on FLT3-ITD+ Acute Myeloid Leukemia Cells**
Ayvaz H. B., Yenigül M., Gencer Akçok E. B.
Cell Biochemistry and Biophysics, vol.82, no.3, pp.2889-2900, 2024 (SCI-Expanded)
- III. **Inhibition of PI3K-AKT-mTOR pathway and modulation of histone deacetylase enzymes reduce the growth of acute myeloid leukemia cells**
Şansaçar M., Sağır H., GENCER AKÇOK E. B.
Medical Oncology, vol.41, no.1, 2024 (SCI-Expanded)
- IV. **Histone Deacetylase Inhibition and Autophagy Modulation Induces a Synergistic Antiproliferative Effect and Cell Death in Cholangiocarcinoma Cells**
Yenigül M., GENCER AKÇOK E. B.
ACS Omega, vol.8, no.24, pp.21755-21768, 2023 (SCI-Expanded)
- V. **Ethacrynic acid and cinnamic acid combination exhibits selective anticancer effects on K562 chronic myeloid leukemia cells**
Yenigül M., AKÇOK İ., GENCER AKÇOK E. B.
MOLECULAR BIOLOGY REPORTS, vol.49, no.8, pp.7521-7530, 2022 (SCI-Expanded)
- VI. **Investigation of the Antitumor Effect of Targeting PI3K-AKT-mTOR Pathway and Histone Deacetylase Enzymes on Acute Myeloid Leukemia Cells**
ŞANSAÇAR M., Sağır H., GENCER AKÇOK E. B.
CLINICAL LYMPHOMA MYELOMA & LEUKEMIA, vol.21, 2021 (SCI-Expanded)
- VII. **Dissection of the BCR-ABL signaling network using highly specific monobody inhibitors to the SHP2 SH2 domains**
Sha F., Gencer E. B., Georgeon S., Koide A., Yasui N., Koide S., Hantschel O.
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol.110, no.37, pp.14924-14929, 2013 (SCI-Expanded)
- VIII. **Mechanisms of resistance to BCR-ABL and other kinase inhibitors**
Lamontanara A. J., Gencer E. B., Kuzyk O., Hantschel O.
BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS, vol.1834, no.7, pp.1449-1459, 2013 (SCI-Expanded)
- IX. **Mechanisms responsible for nilotinib resistance in human chronic myeloid leukemia cells and**

reversal of resistance

Camgoz A., Gencer E. B., Ural A. U., Baran Y.

LEUKEMIA & LYMPHOMA, vol.54, no.6, pp.1279-1287, 2013 (SCI-Expanded)

X. **A novel mechanism of dasatinib-induced apoptosis in chronic myeloid leukemia; ceramide synthase and ceramide clearance genes**

Gencer E. B., URAL A. U., AVCU F., Baran Y.

ANNALS OF HEMATOLOGY, vol.90, no.11, pp.1265-1275, 2011 (SCI-Expanded)

XI. **Roles of ceramide synthase and ceramide clearance genes in nilotinib-induced cell death in chronic myeloid leukemia cells**

Camgoz A., Gencer E. B., Ural A. U., AVCU F., Baran Y.

LEUKEMIA & LYMPHOMA, vol.52, no.8, pp.1574-1584, 2011 (SCI-Expanded)

Articles Published in Other Journals

I. **Targeting HDAC enzymes by SAHA enhances the cytotoxic effects of cisplatin on acute myeloid leukemia cells**

Şansaçar M., Pekin Ö., Gencer Akçok E. B.

Journal of Experimental and Clinical Medicine (Turkey), vol.41, no.3, pp.524-529, 2024 (Scopus)

II. **Measurement of Autophagic Activity in Cancer Cells with Flow Cytometric Analysis Using Cyto-ID Staining.**

Şansaçar M., Gencer Akçok E. B.

Methods in molecular biology (Clifton, N.J.), 2024 (Scopus)

III. **The therapeutic potential of targeting HDAC6 with Tubastatin A in TFK-1 and EGI-1 cholangiocarcinoma cells**

YENİGÜL M., GENCER AKÇOK E. B.

Cumhuriyet Science Journal, vol.42, no.4, pp.775-780, 2021 (Peer-Reviewed Journal)

Supported Projects

Alan I., Mutlugün E., Usta H., Gencer Akçok E. B., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Merkezi Araştırma Laboratuvarı Projesi, 2014 - 2022

Metrics

Publication: 17

Citation (WoS): 137

Citation (Scopus): 233

H-Index (WoS): 5

H-Index (Scopus): 6