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Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 195744

Education Information

Doctorate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2014 - 2022

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji-Genetik Ve Biyoteknoloji (YI) (Tezli), Turkey 2010 - 2013

Undergraduate, Istanbul University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2004 - 2009

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Investigating protein variations of Bag-1 in wild type and Bag-1 knockout MCF-7 breast cancer cells, Istanbul Technical University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2022

Postgraduate, Bag-1 silencing enhanced cisplatin or paclitaxel-induced apoptosis in MCF-7 breast cancer cells, Istanbul Technical University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji-Genetik Ve Biyoteknoloji (YI) (Tezli), 2013

Research Areas

Health Sciences, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Istanbul Kultur University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji ve Genetik, 2022 - Continues

Research Assistant, Istanbul Kultur University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji ve Genetik, 2011 - 2022

Academic and Administrative Experience

Sanayi ve Mezunlarla İletişim Komisyonu Başkanı, Istanbul Kultur University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji ve Genetik, 2023 - Continues

Bölüm Yabancı Öğrenci Sorumlusu, Istanbul Kultur University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji ve Genetik, 2022 - Continues

Bölüm Web sayfası sorumlusu, Istanbul Kultur University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji ve Genetik, 2022 - Continues

Courses

Bitirme Projesi, Undergraduate, 2023 - 2024, 2022 - 2023
Moleküler Biyoloji Teknikleri I, Undergraduate, 2023 - 2024, 2022 - 2023
Nükleik Asit Metabolizması, Postgraduate, 2023 - 2024, 2021 - 2022
Gelişim Biyolojisi, Undergraduate, 2023 - 2024, 2021 - 2022
Kanser Genomiği ve Proteomiği, Doctorate, 2023 - 2024, 2021 - 2022
Araştırma Projesi, Undergraduate, 2023 - 2024, 2022 - 2023
Enzimoloji, Undergraduate, 2022 - 2023, 2021 - 2022
Moleküler Biyoloji Teknikleri II, Undergraduate, 2022 - 2023
Protein Mühendisliği, Undergraduate, 2022 - 2023, 2021 - 2022
Moleküler Biyolojide İleri Teknikler, Postgraduate, 2022 - 2023
Moleküler Biyolojide Seçme Konular, Postgraduate, 2022 - 2023
Hayvan Doku Kültürü, Undergraduate, 2022 - 2023
Moleküler Biyolojide Güncel Uygulamalar, Doctorate, 2022 - 2023
Hayvan Doku Kültürü ve Uygulamaları, Postgraduate, 2022 - 2023

Advising Theses

Özfiliz Kılbaş P., Yağ asidi metabolizmasında görevli proteinlerin FoxO3a ile etkileşiminin in silico yöntemlerle incelenmesi, Postgraduate, İ.SARAK(Student), Continues
Özfiliz Kılbaş P., Orlistat uygulanan BT-474 kanser hücrelerinde tümör baskılayıcı FoxO3a ile ilişkili mikrona profillerinin analizi, Postgraduate, O.IRMAK(Student), 2024
Özfiliz Kılbaş P., FOXO3A İFADESİ ARTTIRILAN MCF-7 MEME KANSERİ HÜCRELERİNDE YAĞ ASİT METABOLİZMASI İLE İLGİLİ İLİŞKİLİ MİKRONA PROFİLLERİNİN İNCELENMESİ, Postgraduate, A.BOLAT(Student), 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **In Vitro Investigations of miR-33a Expression in Estrogen Receptor-Targeting Therapies in Breast Cancer Cells**
ÖZFİLİZ KILBAŞ P., Sonmez O., YERLİKAYA P. O., ÇOKER GÜRKAN A., Palavan-Unsal N., Uysal-Onganer P., ARISAN E. D.
CANCERS, vol.13, no.21, 2021 (SCI-Expanded)
- II. **Co-Chaperone Bag-1 Plays a Role in the Autophagy-Dependent Cell Survival through Beclin 1 Interaction**
Turk M., Tatli O., Alkan H. F., ÖZFİLİZ KILBAŞ P., Alkurt G., Dinler Doğanay G.
MOLECULES, vol.26, no.4, 2021 (SCI-Expanded)
- III. **Specific c-Jun N-Terminal Kinase Inhibitor, JNK-IN-8 Suppresses Mesenchymal Profile of PTX-Resistant MCF-7 Cells through Modulating PI3K/Akt, MAPK and Wnt Signaling Pathways**
ÖZFİLİZ KILBAŞ P., Sonmez O., Uysal-Onganer P., Coker Gurkan A., Obakan Yerlikaya P., ARISAN E. D.
BIOLOGY-BASEL, vol.9, no.10, pp.1-18, 2020 (SCI-Expanded)
- IV. **Revealing the functional role of Bag-1 in MCF-7 breast cancer cells through CRISPR/Cas9-mediated gene knockout**

ÖZFİLİZ KILBAŞ P., Arisan E. D., Dinler Doğanay G.

FEBS OPEN BIO, pp.402, 2019 (SCI-Expanded)

- V. **Bag-1 silencing enhanced chemotherapeutic drug-induced apoptosis in MCF-7 breast cancer cells affecting PI3K/Akt/mTOR and MAPK signaling pathways**
ÖZFİLİZ KILBAŞ P., Akçay İ. M., Dinler Doğanay G., Arisan E. D.
MOLECULAR BIOLOGY REPORTS, vol.46, no.1, pp.847-860, 2019 (SCI-Expanded)
- VI. **Cyclin-dependent kinase inhibitors, roscovitine and purvalanol, induce apoptosis and autophagy related to unfolded protein response in HeLa cervical cancer cells**
ÖZFİLİZ KILBAŞ P., Sarıkaya B., YERLİKAYA P. O., ÇOKER GÜRKAN A., Arisan E. D., Temizci B., Palavan-Unsal N.
MOLECULAR BIOLOGY REPORTS, vol.45, no.5, pp.815-828, 2018 (SCI-Expanded)
- VII. **Serotonin altered receptor tyrosine signalling pathway differently in MCF-7 and MDA-MB-231 breast cancer cells**
Arisan E. D., Ilkhan D., ÖZFİLİZ KILBAŞ P., ÇOKER GÜRKAN A., YERLİKAYA P. O., Unsal N. P.
INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE, 2017 (SCI-Expanded)
- VIII. **Bag-1 silencing enhanced apoptosis via altering the ubiquitination process of Foxo3a in MCP-7 breast cancer cells**
ÖZFİLİZ KILBAŞ P., Arisan E. D., Dinler Doğanay G., Unsal N. P.
INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE, 2017 (SCI-Expanded)
- IX. **Roscovitine-treated He La cells finalize autophagy later than apoptosis by downregulating Bcl-2**
ÇOKER GÜRKAN A., Arisan E. D., YERLİKAYA P. O., ÖZFİLİZ KILBAŞ P., Kose B., Bickici G., Palavan-Unsal N.
MOLECULAR MEDICINE REPORTS, vol.11, no.3, pp.1968-1974, 2015 (SCI-Expanded)
- X. **Purvalanol A is a strong apoptotic inducer via activating polyamine catabolic pathway in MCF-7 estrogen receptor positive breast cancer cells**
YERLİKAYA P. O., Arisan E. D., ÖZFİLİZ KILBAŞ P., ÇOKER GÜRKAN A., Palavan-Unsal N.
MOLECULAR BIOLOGY REPORTS, vol.41, no.1, pp.145-154, 2014 (SCI-Expanded)
- XI. **Bag-1L is a Stress-withstand Molecule Prevents the Downregulation of Mcl-1 and c-Raf Under Control of Heat Shock Proteins in Cisplatin Treated HeLa Cervix Cancer Cells**
ÖZFİLİZ KILBAŞ P., Arisan E. D., ÇOKER GÜRKAN A., YERLİKAYA P. O., Eralp T. N., Dinler Doğanay G., Palavan-Unsal N.
ASIAN PACIFIC JOURNAL OF CANCER PREVENTION, vol.15, no.11, pp.4475-4482, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Circulating microRNA expression profiles to identify a potential link between prostate cancer and obesity**
Arisan S., ÖZFİLİZ KILBAŞ P., RENCÜZOĞULLARI Ö., Unsal N. P., ÇOKER GÜRKAN A., OBAKAN YERLİKAYA P., Uysal-Onganer P., ARISAN E. D.
HUMAN GENE, vol.34, 2022 (ESCI)

Books & Book Chapters

- I. **Investigating Cancer Tumor Microenvironment In vitro: Co-Culture Studies on Adipocytes and Cancer Cells**
Özfiliz Kilbaş P.
in: Technologies in Cell Culture - A Journey From Basics to Advanced Applications, Prof. Soumya Basu, Editor, IntechOpen, London, pp.1-21, 2023

Refereed Congress / Symposium Publications in Proceedings

- I. **Deficiency of antiapoptotic Bag-1 increased mesenchymal properties of MCF-7 breast cancer cells**
ÖZFİLİZ KILBAŞ P.
I. International Advances in Molecular Biology Congress, Turkey, 19 September 2022
- II. **Examination of Fatty Acid Metabolism and Induction of Epithelial-Mesenchymal Transition pathway via modulation of miR-33a levels in Caki-1 and Caki-2 Renal Cell Carcinoma Cells**
İnce İ., Kalabalıkoğlu E., AYHAN ŞAHİN B., ÖZFİLİZ KILBAŞ P., RENCÜZOĞULLARI Ö.
25th IUBMB Congress, the 46th FEBS Congress and the 15th PABMB Congress, Lisbon, Portugal, 9 - 14 July 2022
- III. **Investigation of the Effect of STAT3 Inhibition on Apoptotic Process Associated with JAK/STAT Signaling Pathway in A-498 and ACHN Renal Carcinoma Cells**
Yıldızhan K. Y., Aydın Y. E., ÖZFİLİZ KILBAŞ P., AYHAN ŞAHİN B., RENCÜZOĞULLARI Ö.
25th IUBMB Congress, the 46th FEBS Congress and the 15th PABMB Congress, Lisbon, Portugal, 9 - 14 July 2022
- IV. **In Vitro Investigations of miR-33a Expression in Estrogen Receptor-Targeting Therapies in Breast Cancer Cells**
ÖZFİLİZ KILBAŞ P., Sonmez O., OBAKAN YERLİKAYA P., ÇOKER GÜRKAN A., ÜNSAL Z. N., Uysal-Onganer P., ARISAN E. D.
5th Congress of SDIR: Translational Potential of Cancer Research in Serbia, Serbia, 03 December 2021
- V. **Investigation of the molecular effects of palbociclib and celestrol combination treatment in pancreatic cancer cells**
DELİOĞLU S. Ş., GİRİTLİOĞLU Z., AYHAN ŞAHİN B., ÖZFİLİZ KILBAŞ P., RENCÜZOĞULLARI Ö.
5th Congress of SDIR: Translational Potential of Cancer Research in Serbia, Serbia, 03 December 2021, pp.1-50
- VI. **Cisplatin and Paclitaxel Modulated the Cell Survival Potential of Prostate Cancer Cells**
Kashani S., ÖZFİLİZ KILBAŞ P., OBAKAN YERLİKAYA P., ÇOKER GÜRKAN A., ARISAN E. D.
3rd International conference on Natural Products for Cancer Prevention and Therapy, Kayseri, Turkey, 18 - 20 December 2019
- VII. **Actin disorganization is the major outcome of CRISPR-Cas9-Mediated Bag-1 Knockout MCF-7 breast cancer cells**
ÖZFİLİZ KILBAŞ P., ARISAN E. D., DİNLER DOĞANAY G.
7th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 27 - 29 September 2019
- VIII. **Revealing the functional role of Bag-1 in MCF-7 breast cancer cells through CRISPR/Cas9-mediated gene knockout**
ÖZFİLİZ KILBAŞ P., ARISAN E. D., DİNLER DOĞANAY G.
The 44th FEBS Congress, Krakow, Poland, 6 - 11 July 2019
- IX. **Investigating the molecular mechanisms of paclitaxel resistance through PI3/Akt and EMT signaling pathways in MCF-7 breast cancer**
Sönmez Ö., ÖZFİLİZ KILBAŞ P., ARISAN E. D., ÇOKER GÜRKAN A., OBAKAN YERLİKAYA P., ÜNSAL Z. N.
6th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 December 2018
- X. **Investigation the relationship between cholesterol metabolism and breast cancer through miR-33a in estrogen receptor targeting therapies**
ÖZFİLİZ KILBAŞ P., Sönmez Ö., ARISAN E. D., ÇOKER GÜRKAN A., OBAKAN YERLİKAYA P., ÜNSAL Z. N.
6th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 December 2018
- XI. **Serotonin altered receptor tyrosine signalling pathway differently in MCF-7 and MDA-MB-231 breast cancer cells**
ARISAN E. D., İlhan D., ÖZFİLİZ KILBAŞ P., ÇOKER GÜRKAN A., OBAKAN YERLİKAYA P., ÜNSAL Z. N.
The 22nd World Congress on Advances in Oncology and 20th International Symposium on Molecular Medicine, Athens, Greece, 5 - 07 November 2017, vol.40, pp.27
- XII. **Bag-1 silencing enhanced apoptosis via altering the ubiquitination process of Foxo3a in MCF-7 breast cancer cells**
ÖZFİLİZ KILBAŞ P., ARISAN E. D., DİNLER DOĞANAY G., ÜNSAL Z. N.
The 22nd World Congress on Advances in Oncology and 20th International Symposium on Molecular Medicine, Athens, Greece, 5 - 07 November 2017, vol.40, pp.37

- XIII. **Orlistat as a fatty acid synthase inhibitor blocks cell survival mechanism via activating PTEN, which controls PI3K/AKT/MAPK axis in PC3 prostate cancer cells**
Aras S., Ozdemir B. S., Arisan E. D., RENCÜZOĞULLARI Ö., ÖZFİLİZ KILBAŞ P., YERLİKAYA P. O., ÇOKER GÜRKAN A., Unsal N. P.
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017
- XIV. **Serotonin, MCF-7 ve MDA-MB-231 Meme Kanseri Hücrelerinde Hücre Canlılığını, Sağkalımını ve Klonojenik Oluşumu Azaltır**
İlhan D., ÖZFİLİZ KILBAŞ P., ARISAN E. D., ÇOKER GÜRKAN A., OBAKAN YERLİKAYA P., ÜNSAL Z. N.
6. Kök Hücre Sempozyumu, İstanbul, Turkey, 05 June 2017
- XV. **FASN inhibitörü, Orlistatın Hücre Ölüm mekanizmalarına olan etkisinin LNCaP ve DU145 prostat kanseri hücrelerinde araştırılması**
TOKYAY A., AKAR F. S., RENCÜZOĞULLARI Ö., ÖZFİLİZ KILBAŞ P., ARISAN E. D., OBAKAN YERLİKAYA P., ÇOKER GÜRKAN A., ÜNSAL Z. N.
6. Kök Hücre Sempozyumu, İstanbul, Turkey, 5 - 06 May 2017
- XVI. **Celastrol'un prostat kanseri hücrelerinde PI3K/Akt sinyal yolağı lie ilişkili olarak epitelyal-mezenkimal hücre tranzisyonuna etkisi**
ÇOBAN M., SEVGİN B., ŞENTÜRK K., RENCÜZOĞULLARI Ö., ÖZFİLİZ KILBAŞ P., ARISAN E. D., OBAKAN YERLİKAYA P., ÇOKER GÜRKAN A., ÜNSAL Z. N.
6. Kök Hücre Sempozyumu, Turkey, 5 - 06 May 2017
- XVII. **FASN inhibitörü orlistat tarafından tetiklenen apoptotik ve otofajik hücre süreçlerinin EMT aracılı olarak PC3 prostat kanseri hücrelerinde incelenmesi**
ARAS S., ÖZDEMİR B. S., RENCÜZOĞULLARI Ö., ÖZFİLİZ KILBAŞ P., ARISAN E. D., OBAKAN YERLİKAYA P., ÇOKER GÜRKAN A., ÜNSAL Z. N.
6. Kök Hücre Sempozyumu, Turkey, 5 - 06 May 2017
- XVIII. **CDK Inhibitors Roscovitine and purvalanol induced ER stress-mediated apoptosis in HeLa Cervical Cancer Cells Related with induction of oxidative stress**
SARIKAYA B., ÖZFİLİZ KILBAŞ P., ARISAN E. D., ÇOKER GÜRKAN A., OBAKAN YERLİKAYA P., ÜNSAL Z. N.
6. Multidisiplin Kanser Araştırma Kongresi, Konya, Turkey, 27 - 30 October 2016, pp.174
- XIX. **Knock-down of anti-apoptotic Bag-1 modulated the regulation of cell survival pathways in breast cancer**
ÖZFİLİZ KILBAŞ P., Arisan E. D., Dinler Doğanay G.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, pp.158-159
- XX. **Suppression of polyamine biosynthesis decreased Bag 1 expression levels to alter cell proliferation survival in HeLa cervical cells**
ÖZFİLİZ P., DİNLER DOĞANAY G., ARISAN E. D., ÜNSAL Z. N.
Gordon Conference Polyamines: Role of Polyamines in Biology and Disease, Waterville Valley, United States Of America, 6 - 10 May 2015
- XXI. **Silencing of Bag-1 enhanced the cisplatin or paclitaxel-induced apoptosis via regulating PI3K, Akt and MAPK signaling axis in MCF-7 breast cancer cells**
ÖZFİLİZ KILBAŞ P., ARISAN E. D., OBAKAN YERLİKAYA P., ÇOKER GÜRKAN A., DİNLER DOĞANAY G., ÜNSAL Z. N.
2nd EACR Sponsored 2nd Anticancer Agents Congress 5th Multidisciplinary Cancer Research Congress, BODRUM, Turkey, 23 - 27 April 2014, pp.145
- XXII. **Bag-1 silencing modulated MAPK signaling cascade to alter drug-induced polyamine metabolic regulation in MCF-7 breast cancer cells**
ÖZFİLİZ KILBAŞ P., ARISAN E. D., ÜNSAL Z. N., DİNLER DOĞANAY G.
Gordon Conference Polyamines: Role of Polyamines in Biology and Disease, Waterville Valley, United States Of America, 16 June 2013
- XXIII. **The Potential Role of Bag-1 in cisplatin or paclitaxel-induced Apoptosis**
ÖZFİLİZ KILBAŞ P., ARISAN E. D., DİNLER DOĞANAY G.
First International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 02 November 2012

- XXIV. **Bag-1 Prevented Drug-Induced Apoptosis by Modulating Polyamine Metabolism in MCF-7 Cells**
ÖZFİLİZ KILBAŞ P., Demir S., ARISAN E. D., DİNLER DOĞANAY G.
International Congress on Polyamines-Polyamines: Biological and Clinical Perspectives, İstanbul, Turkey, 2 - 07 September 2012, pp.213
- XXV. **Bag-1 is an Oncogenic Factor Induces Cell Survival by Increasing Polyamine Content**
Demir S., ÖZFİLİZ KILBAŞ P., ARISAN E. D., DİNLER DOĞANAY G.
International Congress on Polyamines-Polyamines: Biological and Clinical Perspectives, İstanbul, Turkey, 02 September 2012
- XXVI. **Purvalanol A is a Strong Apoptotic Inducer via Activating Polyamine Catabolic Pathway in MCF-7 Estrogen Receptor Breast Cancer Cells**
OBAKAN YERLİKAYA P., ÖZFİLİZ KILBAŞ P., ARISAN E. D., ÇOKER GÜRKAN A., ÜNSAL Z. N.
EMBO Young Scientist Forum, İstanbul, Turkey, 14 - 16 June 2012
- XXVII. **The investigation of the functional role of Bag-1 in paclitaxel-induced apoptosis related with polyamines**
ÖZFİLİZ KILBAŞ P., ARISAN E. D., DİNLER DOĞANAY G., ÜNSAL Z. N.
Gordon Conferences: Polyamines, Waterville Valley, United States Of America, 18 June 2011

Supported Projects

- ÖZFİLİZ KILBAŞ P., Project Supported by Higher Education Institutions, Farklı hormon reseptör seviyelerine sahip meme kanseri hücrelerinde tumor supresör FoxO3a proteinin etkileşim partnerlerinin belirlenmesi, 2023 - Continues
- ÖZFİLİZ KILBAŞ P., TUBITAK Project, MDA-MB-231 meme kanseri hücrelerinin iki boyutlu proteomik profillerinin FoxO3a artışına kombine orlistat uygulaması ile incelenmesi, 2023 - Continues
- ÖZFİLİZ KILBAŞ P., TUBITAK Project, FoxO3a'nın aşırı ifadesinin, orlistat varlığında MDA-MB-231 ve BT-474 meme kanseri hücrelerinin yağ asidi metabolizmasına etkisinin araştırılması, 2022 - Continues
- Bal E., Aydın Y. E., Özfiliz Kılbaş P., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Pankreas kanseri ve olgun adiposit hücreleri ile oluşturulan ko-kültür modelinde anti-obezite ilacı orlistatin tümör mikroçevresi ve lipid metabolizması-aracılı olarak epitel-mezenkimal dönüşümde ve apoptozdaki rolünün araştırılması, 2023 - 2025
- Özfiliz Kılbaş P., TUBITAK Project, Farklı hormon reseptör seviyelerine sahip meme kanseri hücrelerinde tümör baskılayıcı FoxO3a'nın potansiyel protein etkileşim partnerlerinin sıvı kromatografisi kütle spektrometrisi (LC-MS/MS) ile belirlenmesi, 2024 - 2024
- Ayhan Şahin B., Temiz M. Z., Özfiliz Kılbaş P., Rencüzoğulları Ö., Project Supported by Higher Education Institutions, Renal hücreli karsinomada AMPK α /miR-33a ekspresyonuyla ilişkili yağ asit metabolizmasının endoplazmik retikulum stresi aracılı apoptoza etkisinin araştırılması, 2022 - 2024
- ÖZFİLİZ KILBAŞ P., Project Supported by Higher Education Institutions, Bag-1 proteininin etki ettiği anti-apoptotik yolların transkripsiyon faktörü olan FoxO3a ile etkileşimi üzerinden meme kanseri hücrelerinde incelenmesi, 2017 - 2021
- ÖZFİLİZ KILBAŞ P., Other International Funding Programs, Investigation the relationship between cholesterol metabolism and cancer through miR-33 in estrogen receptor targeting therapies in breast cancer cells, 2017 - 2019

Mobility Activity

Erasmus Programme, Staff Mobility, Democritus University of Thrace, Greece, 2023 - 2023

Metrics

Publication: 40

Citation (WoS): 67

Citation (Scopus): 64

H-Index (WoS): 5

H-Index (Scopus): 5