Asst. Prof. ELİF UZ YILDIRIM

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International Researcher IDs
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Publons / Web Of Science ResearcherID: AAB-4296-2021
Yoksis Researcher ID: 24917

Education Information

Doctorate, Ihsan Dogramaci Bilkent University, Institute Of Engineering And Natural Sciences, Moleküler Biyoloji Ve Genetik (Dr), Turkey 2002 - 2008
Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoteknoloji Anabilim Dalı (Disiplinlerarası), Turkey 1999 - 2002
Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, Turkey 1994 - 1999

Foreign Languages

German, C1 Advanced
English, C1 Advanced

Certificates, Courses and Trainings

Health&Medicine, DENEY HAYVANI KULLANIM SERTİFİKASI, BURSA ULUDAĞ ÜNİVERSİTESİ, 2013

Dissertations

Doctorate, X-chromosome inactivation in female predisposition to autoimmunity, Ihsan Dogramaci Bilkent University, Institute Of Engineering And Natural Sciences, Moleküler Biyoloji ve Genetik, 2008
Postgraduate, Analysis of Triticum monococcum ssp. boeoticum accessions distributed over Turkey using AFLP markers and assessment of polymorphism levels of newly isolated SSR markers, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biotechnology, 2002

Research Areas

Health Sciences, Natural Sciences

Academic Titles / Tasks

Academic Titles / Tasks

Assistant Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MOLEKÜLER BİYOLOJİ VE GENETİK, 2013 - Continues
Assistant Professor, Duzce University, Faculty Of Arts And Scıences, Department Of Bıology, 2010 - 2013

Courses

Postgraduate
Epigenetics, Postgraduate, 2021 - 2022
Human Molecular Genetics, Postgraduate, 2021 - 2022
Undergraduate
MOLECULAR GENETICS, Undergraduate, 2024 - 2025
Career Planning, Undergraduate, 2022 - 2023
Genetics of Psychiatric Disorders, Undergraduate, 2021 - 2022
Techniques in Molecular Biology, Undergraduate, 2021 - 2022
Graduation Project II, Undergraduate, 2021 - 2022
Genetics of Complex Disorders, Undergraduate, 2021 - 2022
Human Molecular Genetics, Undergraduate, 2021 - 2022
Developmental Biology, Undergraduate, 2021 - 2022
Human Genetics, Undergraduate, 2021 - 2022
Graduation Project I-EU, Undergraduate, 2021 - 2022

Supervised Theses

Uz Yıldırım E., Akciğer kanseri hücre hatlarında ALX3 geninin ifade ve promotor bölgesinin metilasyon düzeyinin araştırılması, Postgraduate, E.BEYZA(Student), 2021
UZ YILDIRIM E., YALÇIN M., Merkezi yolla enjekte edilen nesfatin-1'in hipotalamusta siklooksijenaz ve lipoksijenaz enzimleri üzerine etkisinin western blot yöntemi ile araştırılması, Postgraduate, A.Iqbal(Student), 2019
UZ YILDIRIM E., ÖZEMRİ SAĞ Ş., Analysis of wide and variants obtained by new generationlayout method in individuals with mefv gene mutations:Retrospective work, Postgraduate, Z.Kurt(Student), 2019
UZ YILDIRIM E., Comparing the glut-1 (slc2a1) and glut-3 (slc2a3) genes and their targeted mirna expression of different breast cancer cell lines (skbr-3, mda-mb-231, mcf-7, htert), Postgraduate, B.DUNDAR(Student), 2017
UZ YILDIRIM E., Making knock-out of macaque morpheus gene (NPIPA1) using CRISPR/CAS method, Postgraduate, K.PASPAL(Student), 2015

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Identification of ALX3 Gene Promoter Hypermethylation as a Potential Biomarker for Lung Cancer.**
Kartaloglu E. B., Oztepe M., Akgun O., Acun T., Ari F., Uz-Yildirim E.
Anticancer research, vol.43, no.7, pp.3029-3036, 2023 (SCI-Expanded)
II. **Characterization and in silico analyses of the BRCA1/2 variants identified in individuals with personal and/or family history of BRCA-related cancers**
Pirim D., Kaya N., Yıldırım E., Sag S., Temel Ş. G.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.162, pp.1166-1177, 2020 (SCI-Expanded)
III. **Intracerebroventricularly injected nesfatin-1 activates central cyclooxygenase and lipoxygenase pathways**
Guvenc-Bayram G., Altinbas B., Iqbal A., Cerci E., Udum D., Yılmaz M. S., Erdost H., Yalcin-Ulger E., İlhan T., Ersoy F., et al.
AUTONOMIC NEUROSCIENCE-BASIC & CLINICAL, vol.226, 2020 (SCI-Expanded)

IV. **Loss-of-Function Mutations in ELMO2 Cause Intraosseous Vascular Malformation by Impeding RAC1 Signaling**
Cetinkaya A., Xiong J. R., VARGEL İ., KÖSEMEHMETOĞLU K., Canter H. I., Gerdan O. F., Longo N., Alzahrani A., Camps M. P., Taskiran E. Z., et al.
AMERICAN JOURNAL OF HUMAN GENETICS, vol.99, no.2, pp.299-317, 2016 (SCI-Expanded)

V. **STK4 (MST1) deficiency in two siblings with autoimmune cytopenias: A novel mutation**
OSKAY HALAÇLI S., ÇAĞDAŞ AYVAZ D. N., TAN Ç., ERMAN B., UZ YILDIRIM E., YÜCEL YILMAZ D., Ozgul K., Tezcan I., Sanal O.
CLINICAL IMMUNOLOGY, vol.161, no.2, pp.316-323, 2015 (SCI-Expanded)

VI. **TMCO1 Deficiency Causes Autosomal Recessive Cerebrofaciothoracic Dysplasia**
ALANAY Y., Erguner B., Utine E., Hacariz O., ŞİMŞEK KİPER P. Ö., TAŞKIRAN Z. E., Percin F., UZ YILDIRIM E., Sagiroglu M. S., Yuksel B., et al.
AMERICAN JOURNAL OF MEDICAL GENETICS PART A, vol.164, no.2, pp.291-304, 2014 (SCI-Expanded)

VII. **Mutations in the interleukin receptor IL11RA cause autosomal recessive crouzon-like craniosynostosis**
Keupp K., Li Y., Vargel I., Hoischen A., Richardson R., Neveling K., Alanay Y., Uz E., Elcioğlu N., Rachwalski M., et al.
Molecular Genetics and Genomic Medicine, vol.1, no.4, pp.223-237, 2013 (SCI-Expanded)

VIII. **Mutations in IRX5 impair craniofacial development and germ cell migration via SDF1.**
Bonnard C., Strobl A., Shboul M., Lee H., Merriman B., Nelson S., Ababneh O., Uz E., Güran T., Kayserili H., et al.
Nature genetics, vol.44, pp.709-13, 2012 (SCI-Expanded)

IX. **KIF7 mutations cause fetal hydrolethalus and acrocallosal syndromes.**
Putoux A., Thomas S., Coene K., Davis E., Alanay Y., Ogur G., Uz E., Buzas D., Gomes C., Patrier S., et al.
Nature genetics, vol.43, pp.601-6, 2011 (SCI-Expanded)

X. **Agranulocytosis related to clozapine in monozygotic twins and association with allelic variants of multidrug resistance gene MDR1.**
Anıl Y., İlhan B., Göktaş M., Babaoğlu M., Uz E., Yazıcı M.
Journal of clinical psychopharmacology, vol.31, pp.247-9, 2011 (SCI-Expanded)

XI. **Disruption of ALX1 causes extreme microphthalmia and severe facial clefting: expanding the spectrum of autosomal-recessive ALX-related frontonasal dysplasia.**
Uz E., Alanay Y., Aktas D., Vargel I., Gucer S., Tuncbilek G., von E., Yilmaz E., Deren O., Posorski N., et al.
American journal of human genetics, vol.86, pp.789-96, 2010 (SCI-Expanded)

XII. **ALX4 dysfunction disrupts craniofacial and epidermal development.**
Kayserili H., Uz E., Niessen C., Vargel I., Alanay Y., Tuncbilek G., Yigit G., Uyguner O., Candan S., Okur H., et al.
Human molecular genetics, vol.18, pp.4357-66, 2009 (SCI-Expanded)

XIII. **Increased frequency of extremely skewed X chromosome inactivation in juvenile idiopathic arthritis.**
Uz E., Mustafa C., Topaloglu R., Bilginer Y., Dursun A., Kasapcopur O., Ozen S., Bakkaloglu A., Ozcelik T.
Arthritis and rheumatism, vol.60, pp.3410-2, 2009 (SCI-Expanded)

XIV. **Analysis of skewed X-chromosome inactivation in females with rheumatoid arthritis and autoimmune thyroid diseases.**
Chabchoub G., Uz E., Maalej A., Mustafa C., Rebai A., Mnif M., Bahloul Z., Farid N., Ozcelik T., Ayadi H.
Arthritis research & therapy, vol.11, 2009 (SCI-Expanded)

XV. **Extreme clonality in lymphoblastoid cell lines with implications for allele specific expression analyses.**
Plagnol V., Uz E., Wallace C., Stevens H., Clayton D., Ozcelik T., Todd J.
PloS one, vol.3, 2008 (SCI-Expanded)

XVI. **Skewed X-chromosome inactivation in scleroderma.**
Uz E., Loubiere L., Gadi V., Ozbalkan Z., Stewart J., Nelson J., Ozcelik T.
Clinical reviews in allergy & immunology, vol.34, pp.352-5, 2008 (SCI-Expanded)

XVII. **Mutations in the very low-density lipoprotein receptor VLDLR cause cerebellar hypoplasia and quadrupedal locomotion in humans.**
Ozcelik T., Akarsu N., Uz E., Caglayan S., Gulsuner S., Onat O., Tan M., Tan U.

Proceedings of the National Academy of Sciences of the United States of America, vol.105, pp.4232-6, 2008 (SCI-Expanded)

XVIII. **Skewed X inactivation in an X linked nystagmus family resulted from a novel, p.R229G, missense mutation in the FRMD7 gene.**
Kaplan Y., Vargel I., Kansu T., Akin B., Rohmann E., Kamaci S., Uz E., Ozcelik T., Wollnik B., Akarsu N.
The British journal of ophthalmology, vol.92, pp.135-41, 2008 (SCI-Expanded)

XIX. **Extremely skewed X-chromosome inactivation is increased in pre-eclampsia.**
Uz E., Dolen I., Al A., Ozcelik T.
Human genetics, vol.121, pp.101-5, 2007 (SCI-Expanded)

XX. **Evidence from autoimmune thyroiditis of skewed X-chromosome inactivation in female predisposition to autoimmunity.**
Ozcelik T., Uz E., Akyerli C., Bagislar S., Mustafa C., Gursoy A., Akarsu N., Toruner G., Kamel N., Gullu S.
European journal of human genetics : EJHG, vol.14, pp.791-7, 2006 (SCI-Expanded)

Articles Published in Other Journals

I. **Assessing the Functional Properties of the TMCO1 Sequence Variants by Using In Silico Analyses**
PİRİM D., ULUSOY E., KURT Z., KAYA N., UZ YILDIRIM E.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.7, no.3, pp.1931-1946, 2019 (Peer-Reviewed Journal)

II. **Genetic Relationship of Wild Einkorn Based on Geographical Distribution in Anatolia and Thrace using AFLP Markers**
UZ E., ERSOY F., HAKKI E. E., AKKAYA M.
Journal of Applied Biological Sciences, vol.3, no.2, pp.21-26, 2009 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

I. **TİP 3 HEREDİTER ANJİOÖDEM TANILI AİLENİN FAKTÖR 12 GENİNDE C1681-7G>A VARYANTININ FONKSİYONEL ÇALIŞMASI**
Demirbağ Karaali M., Pantır Retzep S., UZ YILDIRIM E., KARALI Y., KARALI Z., ÇEKİÇ Ş.
20. Uludağ Pediatri Kış Kongresi, 05 March 2024

II. **Assessment of Single Nucleotide Variants in hGPRC5A gene using in silico Tools**
Demirbağ Karaali M., UZ YILDIRIM E., ÇELİKLER KASIMOĞULLARI S.
2nd International Multidisciplinary Cancer Research Congress, Giresun, Turkey, 21 July 2022

III. **Hypermethylation of ALX3 gene promoter is a novel biomarker candidate in lung cancer**
Kartaloğlu E. B., Öztepe M., Akgün O., Acun T., Arı F., Uz Yıldırım E.
4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021) , Ankara, Turkey, 24 - 26 November 2021, pp.224

IV. **Comprehensive Bioinformatic Analyses Of BRCA1/2 Variants Identified in Individuals With Personal and/or Family Hıstory of BRCA-Related Cancers**
PİRİM D., kaya n., UZ YILDIRIM E., ÖZEMRİ SAĞ Ş., TEMEL Ş. G.
1st Bursa International Genetics Days: Dermatogenetics Symposium, Bursa, Turkey, 9 - 11 January 2020

V. **Next generation sequencing-based gene panel tests for the diagnosis of hereditary cancers**
ZEYBEK S., ALEMDAR A., kaya n., Aliyeva L., KABLAN A., PİRİM D., UZ YILDIRIM E., ÖZEMRİ SAĞ Ş., TEMEL Ş. G.
American Society of Human Genetics 69th Annual Meeting, Houston, United States Of America, 15 - 19 October 2019

VI. **Evaluation of ALX homeobox gene variants using in silico tools**
ÖZTEPE M., KOÇ M., KARTALOĞLU E. B., UZ YILDIRIM E.
7th International Congress ofthe Molecular Biology Association of Turkey, 27 - 29 September 2019, pp.74

VII. **Targeted gene panel sequencing for hereditary kidney diseases: efficiently detects candidate**

pathogenic variants related with these disorders
kaya n., ALKAYA A., Aliyeva L., KABLAN A., PİRİM D., UZ YILDIRIM E., ÖZEMRİ SAĞ Ş., TEMEL Ş. G.
Uluslararası Katılımlı Erciyes Tıp Genetik Günleri 2019, Kayseri, Turkey, 21 - 23 February 2019

VIII. **Targeted gene panel sequencing for hereditary Cancers: Diagnostic Efficiency**
Temel Ş. G., Alemdar A., Kaya N., Aliyeva L., Kablan A., Pirim D., Uz Yıldırım E., Özemri Sağ Ş.
13th Balkan Congress of Human Genetics, Edirne, Turkey, 17 - 20 April 2019

IX. **Molecular diagnosis of connective tissue disorders using targeted gene panel screening**
KABLAN A., kaya n., Aliyeva L., PİRİM D., UZ YILDIRIM E., ÖZEMRİ SAĞ Ş., TEMEL Ş. G.
13th Balkan Congress of Human Genetics, Edirne, Edirne, Turkey, 17 - 20 April 2019

X. **Diagnostic efficiency of multiple gene panel in cardiomyopathy and hereditary arrhythmias**
ALEMDAR A., kaya n., Aliyeva L., KABLAN A., PİRİM D., UZ YILDIRIM E., ÖZEMRİ SAĞ Ş., TEMEL Ş. G.
13th Balkan Congress of Human Genetics, Edirne, Turkey, 17 - 20 April 2019

XI. **Genetic evaluation of the CFTR gene and comprehensive analysis of the sequence**
Yılmaz E. B., kaya n., Aliyeva L., KABLAN A., PİRİM D., UZ YILDIRIM E., ÖZEMRİ SAĞ Ş., TEMEL Ş. G.
13th Balkan Congress of Human Genetics, Edirne, Turkey, 17 - 20 April 2019

XII. **Identification of BRCA1/2 Variants via Next Generation Sequencing for Therapeutic Approach**
Özemri Sağ Ş., Kaya N., Alıyeva L., Kablan A., Örnek C., Doğan B., Pirim D., Uz Yıldırım E., Temel Ş. G.
13th Balkan Congress of Human Genetics, Edirne, Turkey, 17 - 20 April 2019

XIII. **Osteogenezis imperfekta ön tanılı hastaların hedefe yönelik gen paneli kullanilarak yeni nesil tekniği ile dizilenmesi**
Aliyeva L., kaya n., KABLAN A., PİRİM D., UZ YILDIRIM E., ÖZEMRİ SAĞ Ş., TEMEL Ş. G.
3. Ege Endokrin Hastalıklar ve Genetik Sempozyumu, İzmir, Turkey, 7 - 09 March 2019

XIV. **Identification and analysis of novel variants associated with breast and ovarian cancer in BRCA1 and BRCA2 Genes**
Aliyeva L., kaya n., kurt z., KABLAN A., ÖZEMRİ SAĞ Ş., PİRİM D., UZ YILDIRIM E., TEMEL Ş. G.
13. Ulusal Tıbbi Genetik Kongresi Antalya, Antalya, Turkey, 7 - 11 November 2018

XV. **Screening of common and novel variants in the MEFV Gene in patients with familial mediterranean fever (FMF) symptoms by using next generation sequencing**
kaya n., kurt z., Aliyeva L., KABLAN A., ÖZEMRİ SAĞ Ş., UZ YILDIRIM E., PİRİM D., TEMEL Ş. G.
13. Ulusal Tıbbi Genetik Kongresi, Antalya, 2018, Antalya, Turkey, 7 - 11 November 2018

XVI. **Treatment of collagen-induced arthritis mice model with genetically modified tolerogenic dendritic cells**
yilmaz i., karaçay m., güvenç g., UZ YILDIRIM E., budak f., ERSOY F., YALÇIN M., ORAL H. B.
5th European Congress of Immunology, 2 - 05 September 2018

XVII. **Downregulation of CD80/86 expression on the surface of Mouse bone marrow derived dendritic cells via CTLA4 expression in endoplasmic reticulum.**
karaçay m., yılmaz i., güvenç g., UZ E., budak f., ERSOY F., YALÇIN M., ORAL H. B.
World Immune regulation meeting XII, 14 - 17 March 2018

XVIII. **Silencing of CD80and CD86 expression on the surface of RAW 264.7 cells via CRISPR/Cas9.**
ardahanlı e., aras m., özkazanç d., UZ E., budak f., ERSOY F., SÜTLÜ T., ORAL H. B.
World Immune regulation meeting XII, 14 - 17 March 2018

XIX. **Comparison of the Expression of GLUT-1 (SLC2A1) and GLUT-3 (SLC2A3) Genes and Their Targeted miRNAs in Human Breast Cancer Cell Lines**
Dundar B., UZ E.
5th International Congress of the Molecular Biology Association of Turkey, 8 - 10 September 2017

XX. **Downregulation of CD80/86 expression on the surface of RAW 264.7 cells via intracellular CTLA4.**
Karaçay M., Yılmaz İ., UZ E., BUDAK F., ERSOY F., ORAL H. B.
11th World Immune Regulation Meeting (WIRM 2017), 15 - 18 March 2017

XXI. **Preliminary results of genetic divergence among marine and freshwater populations of Atherina boyeri Risso 1810 in Turkey**
GENÇOĞLU L., UZ E., KIRANKAYA Ş. G., EKMEKÇİ F. G.

FINS II-Freshwater Invasives Networking for Strategy Conference, Zagreb, Croatia, 11 - 14 July 2016

XXII. **Moleküler markörlerin Türkiye buğdaylarında genetik ilişki çalışmalarında kullanılması Mikrosatelit Markörü Geliştirilmesinin yeni bir yöntemi ve hastalığa dayanıklılık genlerinin araştırılması**
AKKAYA M., HAKKI E. E., bilgiç h., BÜYÜKÜNAL E. B., ERSOY F., UZ E., bozkurt o., barbaros y.
12. Biyoteknoloji Kongresi, Balıkesir, Turkey, 17 - 21 September 2001

XXIII. **A novel isolation method OF SSRs NO CLONING NO SCREENING**
AKKAYA M., HAKKI E. E., ERSOY F., UZ E.
International Plant Animal Genome IX Conference, San Diego, United States Of America, 13 - 17 January 2001

Supported Projects

ÇELİKLER KASIMOĞULLARI S., UZ YILDIRIM E., COŞKUN B., DEMİRBAĞ KARAALİ M., Project Supported by Higher Education Institutions, Mesane Ağrı Sendromu/İnterstisyel Sistit MAS/İS Hastalığında Dairesel RNA'ların (circRNA'ların) Potansiyel Biyomarker Olarak Araştırılması, 2023 - Continues

UZ YILDIRIM E., PİRİM D., KILIÇ GÜLTEKİN S. Ş., ÇEKİÇ Ş., Project Supported by Higher Education Institutions, Yaygın Değişken İmmün Yetmezlik hastalarında NF-KB1 ve NF-KB2 tüm gen dizi varyantlarının saptanması ve biyoinformatik yöntemlerle analizleri, 2020 - Continues

UZ YILDIRIM E., PANTIR RETZEP S., COŞKUN B., DANACIOĞLU Y. O., BAYRAK Ö., KÖSE O., POLAT H., ÇOLAKOĞLU Y., KARAKEÇİ A., DİNÇER M. M., et al., Project Supported by Higher Education Institutions, İnterstisyel Sistit Hastalığında X-Kromozomu İnaktivasyonunun Rolünün Araştırılması, 2023 - 2024

UZ YILDIRIM E., CUYA T., Project Supported by Higher Education Institutions, ALX3 gen promotor metilasyonunun prostat kanseri hücre hatlarında potansiyel biomarker olarak incelenmesi, 2022 - 2024

YILDIZ G., YILMAZ Ö., UZ YILDIRIM E., Project Supported by Higher Education Institutions, Ultraviyole Radyasyonunun Sublittoral Deniz Yosunları Üzerine Etkileri, 2021 - 2024

ÇEKİÇ Ş., UZ YILDIRIM E., Project Supported by Higher Education Institutions, Tip 3 Herediter Anjioödem Tanılı Ailenin Faktör 12 Geninde c16817 GgtA Varyantının Fonksiyonel Çalışması, 2022 - 2023

UZ YILDIRIM E., ARI F., Project Supported by Higher Education Institutions, Akciğer kanseri hücre hatlarında ALX3 geninin ifade ve promotor bölgesinin metilasyon düzeyinin araştırılması, 2020 - 2023

Yalçın M., Yılmaz M. S., Erdost H., Udum D., Uz Yıldırım E., TUBITAK Project, Merkezi Olarak Uygulanan Nesfatin-1'xxin Kardiyovasküler Etkilerinde Siklooksijenaz ve Lipooksijenaz Yolaklarının Aracılığının Incelenmesi, 2016 - 2020

Uz Yıldırım E., Kırankaya Ş. G., Ekmekçi F. G., TUBITAK Project, Gümüş Balığı Atherina boyeri Risso 1810 nin Deniz ve Tatlısu Populasyonlarının Bazı Biyolojik Histolojik ve Genetik Özelliklerinin Karşılaştırmalı Olarak İncelenmesi, 2015 - 2017

UZ YILDIRIM E., Project Supported by Higher Education Institutions, Gümüş Balığı Atherina boyeri Risso 1810 nın Karadeniz ve Marmara Populasyonlarının Genetik Morfometrik ve Büyüme Özelliklerinin Karşılaştırmalı Olarak İncelenmesi, 2015 - 2016

ORAL H. B., UZ YILDIRIM E., YALÇIN M., ERSOY F., Project Supported by Higher Education Institutions, E-Selektin promotorunun pREP 7 vektörüne klonlanması, 2015 - 2015

Memberships / Tasks in Scientific Organizations

Moleküler Biyoloji Derneği, Member, 2018 - Continues, Turkey

Metrics

Publication: 45
Citation (WoS): 926
Citation (Scopus): 1073

H-Index (WoS): 15
H-Index (Scopus): 15