

Lect. PhD Zeliha EMRENCE

Personal Information

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Education Information

Doctorate, İstanbul Üniversitesi, Health Sciences Institute, Genetik, Turkey 2010 - 2016

Post Graduate, İstanbul Üniversitesi, Health Sciences Institute, Genetik, Turkey 2008 - 2010

Under Graduate, Marmara Üniversitesi, Fen Edebiyat Fakültesi, Biyoloji, Turkey 2006 - 2008

Under Graduate, Trakya Üniversitesi, Fen Fakültesi, Biyoloji, Turkey 2004 - 2006

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Nükleolar Protein 7 Geninin All-Trans Retinoik Asit Tedavisindeki Rolü , İstanbul University, Aziz Sancar Institute of Experimental Medicine, Genetik, 2016

Post Graduate, Ailevi akdeniz ateşi hastalığından sorumlu olduğu düşünülen MEFV geninin 3'UTR bölgesindeki varyasyonların araştırılması, İstanbul University, Deneysel Tıp Araştırma Enstitüsü, Genetik, 2010

Research Areas

Life Sciences, Molecular Biology and Genetics, Genetic Disorders, Molecular Biology of Cancer, Natural Sciences

Academic Titles / Tasks

Lecturer PhD, İstanbul University, Aziz Sancar Institute of Experimental Medicine, Department of Genetics, 2020 - Continues

Research Assistant PhD, İstanbul University, Aziz Sancar Institute of Experimental Medicine, Genetik, 2012 - 2020

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. ***LEF1*** induces ***DHRS2*** gene expression in human acute leukemia Jurkat T-cells.
Sırma E., Emrence Z., Abacı N., Sarıman M., Salman B., Ekmekci C., Güleç Ç.
Turkish journal of haematology : official journal of Turkish Society of Haematology, 2020 (Journal Indexed in SCI Expanded)
- II. **Silencing HMGB1 expression inhibits adriamycin's heart toxicity via TLR4 dependent manner through MAPK signal transduction**

Taskin E., Guven C., Kaya S. T., Sariman M., EMRENCE Z., Ekmekci S. S., ABACI N., Sevgiler Y., AKÇAKAYA H.
JOURNAL OF BUON, vol.25, pp.554-565, 2020 (Journal Indexed in SCI)

- III. **Age-Related Co-Expression of BCOR and BCORL1 mRNA in Acute Myeloid Leukemia**
COŞKUN F., Percin-Pacal F., EMRENCE Z., Ar M. C., ABACI N., ÜNÜVAR A., Eskazan A. E., Elverdi T., Salihoglu A., Sefleki Y., et al.
CLINICAL LABORATORY, vol.66, pp.1485-1493, 2020 (Journal Indexed in SCI)
- IV. **The role of NOL7 in all-trans retinoic acid-induced acute promyelocytic leukemia cells All-trans retinoik asit ile indüklenen akut promiyelositik lösemi hücrelerinde NOL7'nin rolü**
Emrence Z., Sariman M., Abacı N., Çınar S., Salman B., Biberoglu N. E., Çakiris A., Deniz G., Ekmekci S. S.
UHOD - Uluslararası Hematoloji-Onkoloji Dergisi, vol.30, pp.63-71, 2020 (Journal Indexed in SCI Expanded)
- V. **Natural Killer Cell Subsets and Their Functional Activity in Behcet's Disease**
Cosan F., Cetin E. A., Akdeniz N., Emrence Z., ÇEFLE A., Deniz G.
IMMUNOLOGICAL INVESTIGATIONS, vol.46, pp.419-432, 2017 (Journal Indexed in SCI)
- VI. **The antifungal activity and cytotoxicity of silver containing denture base material.**
KURT A., Erkose-Genc G., Uzun M., Emrence Z., USTEK D., Isik-Ozkol G.
Nigerian journal of clinical practice, vol.20, pp.290-295, 2017 (Journal Indexed in SCI Expanded)
- VII. **Inhibition of AMPK by Doxorubicin Exacerbates Cardiomyocytes Death: Role of TLR4**
Güven C., Güven E. T., Sariman M., Emrence Z., Ekmekci S., Abaci N., Akcakaya H.
ACTA PHYSIOLOGICA, vol.218, pp.32, 2016 (Journal Indexed in SCI)
- VIII. **Silencing HMGB1 Expression Inhibits Myocardial Apoptosis-induced by Doxorubicin via TLR4 Dependent Manner Through MAPK Signal Transduction**
Güven E. T., Güven C., Sariman M., Emrence Z., Abaci S., Ekmekci N. S. R., Akcakaya H.
ACTA PHYSIOLOGICA, vol.218, pp.14, 2016 (Journal Indexed in SCI)
- IX. **Effect of cytochrome P450 2C19 polymorphisms on the Helicobacter pylori eradication rate following two-week triple therapy with pantoprazole or rabeprazole**
Ormeçi A., Emrence Z., Baran B., Gokturk S., Soyer O. M., Evirgen S., Akyuz F., Karaca C., Besisik F., Kaymakoglu S., et al.
European Review for Medical and Pharmacological Sciences, vol.20, pp.879-885, 2016 (Journal Indexed in SCI Expanded)
- X. **Pathological and immunological features of autoinflammatory syndrome associated with lymphedema (AISLE)**
Gul A., Ozdogan H., UĞURLU S. Y., Kasapcopur O., Buyukbabani N., Emekli U., EMRENCE Z., Ustek D.
Pediatric Rheumatology, vol.13, 2015 (Journal Indexed in SCI Expanded)
- XI. **Genomic analysis reveals the biotechnological and industrial potential of levan producing halophilic extremophile, Halomonas smyrnensis AAD6T**
Diken E., Ozer T., Arikan M., Emrence Z., Oner E. T., Ustek D., ARĞA K. Y.
SPRINGERPLUS, vol.4, 2015 (Journal Indexed in SCI)
- XII. **The association of TNFRSF1A gene and MEFV gene mutations with adult onset Still's disease**
Cosan F., Emrence Z., Erbag G., Azakli H., Yilmazer B., YAZICI A., Ekmekci S. S., Abaci N., Ustek D., ÇEFLE A.
RHEUMATOLOGY INTERNATIONAL, vol.33, pp.1675-1680, 2013 (Journal Indexed in SCI)
- XIII. **THE TNFRSF1A AND MEFV GENE MUTATIONS IN THE SECONDARY AMYLOIDOSIS WITHOUT FMF AND HPFS SYMPTOMS**
Cosan F., Emrence Z., PISKINPASA S. V., ODABAS A. R., Ustek D., ÇEFLE A.
ANNALS OF THE RHEUMATIC DISEASES, vol.72, pp.76-77, 2013 (Journal Indexed in SCI)
- XIV. **Effect of Genotypic Differences in CYP2C19 and on Cure Rates for Helicobacter pylori Infection by Triple Therapy With Different Proton Pump Inhibitors**
Demir K., ORMECI A., Emrence Z., Gokturk S., Baran B., SOYER O. M., Akyuz F., Karaca C., BESISIK F., Kaymakoglu S., et al.
GASTROENTEROLOGY, vol.144, 2013 (Journal Indexed in SCI)
- XV. **Genome-wide association analysis identifies new susceptibility loci for Behcet's disease and epistasis between HLA-B*51 and ERAP1**

Kirino Y., Bertsias G., Ishigatsubo Y., Mizuki N., Tugal-Tutkun I., Seyahi E., Ozyazgan Y., Sacli F. S. , Erer B., Inoko H., et al.

NATURE GENETICS, vol.45, pp.202-207, 2013 (Journal Indexed in SCI)

XVI. **TT polymorphism in rs2165241 and rs1048661 region in lysyl oxidase like-1 gene may have a role in stress urinary incontinence physiopathology**

Ozbek E., Polat E. C. , Ozcan L., Otunctemur A., Emrence Z., Ustek D.

JOURNAL OF OBSTETRICS AND GYNAECOLOGY RESEARCH, vol.39, pp.237-242, 2013 (Journal Indexed in SCI)

XVII. **Draft Genome Sequence of Halomonas smyrnensis AAD6(T)**

Sogutcu E., Emrence Z., Arikan M., Cakiris A., Abaci N., Oner E. T. , Ustek D., ARĞA K. Y.

JOURNAL OF BACTERIOLOGY, vol.194, pp.5690-5691, 2012 (Journal Indexed in SCI)

XVIII. **SET oncogene is upregulated in pediatric acute lymphoblastic leukemia.**

Ekmekci S. S. , Ekmekci C. G. , Kandilci A., Gulec Ç., Akbiyik M., Emrence Z., Abaci N., Karakas Z., Agaoglu L., Unuvar A., et al.

Tumori, vol.98, pp.252-6, 2012 (Journal Indexed in SCI Expanded)

XIX. **The association of TNFRSF1A gene and MEFV gene mutations with adult onset Still's disease**

Coşan F., Emrence Z., Erbağ G., Azaklı H., Yilmazer B., Yazıcı A., Sırma Ekmekci S., Abacı N., Üstek D., Çefle A.

Rheumatology International, vol.33, pp.1675-1680, 2012 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

I. **Can Helicobacter pylori be eradicated with high-dose proton pump inhibitor in extensive metabolizers with the CYP2C19 genotypic polymorphism?**

ORMECİ A., Emrence Z., BARAN B., SOYER O., GOKTURK S., EVIRGEN S., AKYUZ F., KARACA C., BESISIK F., KAYMAKOGLU S., et al.

European review for medical and pharmacological sciences, vol.20, pp.1795-1797, 2016 (Refereed Journals of Other Institutions)

II. **RE-EVALUATION OF LPS CONCENTRATIONS ON THE 293T HUMAN RENAL CELL LINE**

ÇAKİRİS A., Çakar A., ABACI N., SIRMA EKMEKÇİ S., EMRENCE Z., Üstek D.

Journal of Health Sciences of Kocaeli University, vol.2, pp.20-22, 2016 (National Refreed University Journal)

III. **Yeni Nesil Dizileme Teknolojisi Ile Transkriptom Analizi**

Sarıman M., Sırma Ekmekci S., Abacı N., Çakiris A., Paçal F., Emrence Z., Üstek D., Öztürk Ş.

Deneysel Tıp Dergisi, vol.5, pp.51-59, 2015 (National Refreed University Journal)

IV. **Transcriptom Analysis Using Next Generation Sequencing**

Sarıman M., EKMEKCI S. S. , ABACI N., ÇAKİRİS A., PAÇAL F., EMRENCE Z., ÜSTEK D., ÖZTÜRK Ş.

Deneysel Tıp Araştırma Enstitüsü Dergisi, vol.4, pp.51-59, 2015 (National Refreed University Journal)

V. **The identification of the integration sites of the plasmids that have been used to transduce cell lines**

ARIKAN M., ÇAKİRİS A., EMRENCE Z., Çakar A., PAÇAL F., ABACI N., EKMEKCI S. S. , ÜSTEK D.

Deneysel Tıp Araştırma Enstitüsü Dergisi, vol.2, pp.11-15, 2012 (National Refreed University Journal)

VI. **Hücre hatlarını oluşturmada kullanılan plazmidlerin integrasyon bölgelerinin tanımlanması**

ARIKAN M., ÇAKİRİS A., EMRENCE Z., Çakar A., PAÇAL F., ABACI N., SIRMA EKMEKÇİ S., ÜSTEK D.

Deneysel Tıp Araştırma Enstitüsü Dergisi, 2(3), 11-15, vol.23, pp.11-15, 2012 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Effect of Doxorubicin on Expression of RNA m6A Methylation Enzymes in Leukemia Cell Lines**

EMRENCE Z., Sarıman M., Salman B., ABACI N., SIRMA EKMEKÇİ S.

1.International Multidisciplinary Cancer Research Congress, Diyarbakır, Turkey, 19 - 22 September 2019, pp.127

II. **Akut Miyeloid Lösemide NOL7 anlatımı ve Akut Promiyelositik Lösemi Hücrelerinde NOL7'nin All**

Trans Retinoik Asit direncinde rolü

EMRENCE Z., Sarıman M., ÇINAR S., Salman B., Biberöđlu E., ABACI N., SIRMA EKMEKÇİ S.

XV. ULUSAL TIBBİ BİYOLOJİ VE GENETİK KONGRESİ, Muđla, Turkey, 26 - 29 October 2017, pp.88

- III. **Klinik bulguları ağır seyreden ailevi Akdeniz ateşı hastalarında MEFV mutasyonu bulunmayan ailelerde tüm exom dizileme analizi**
ABACI N., SIRMA EKMEKÇİ S., SARIMAN M., EMRENCE Z., Salman B., PAÇAL F., ÇAKİRİS A., GÜL A.
XV.Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Muđla, Turkey, 26 - 29 October 2017, pp.199
- IV. **'SLCO2A1 mutasyonuna bađlı gelişen ve yüksek inflamasyon yanıtı ile jüvenil idiyopatik artriti taklit eden pakidermoperiostoz vakaları'**
SIRMA EKMEKÇİ S., ABACI N., sarıman m., EMRENCE Z., salman b., PAÇAL F., ÇAKİRİS A., GÜL A.
XV.Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Mardin, Turkey, 26 - 29 October 2017, pp.194
- V. **The Role of NOL7 Gene in All Trans Retinoic Acid Resistance of Acute Myeloid Leukemia Cells**
EMRENCE Z., Sarıman M., ÇINAR S., Biberöđlu N. E. , ABACI N., SIRMA EKMEKÇİ S.
European Human Genetics Conference, Kopenhag, Denmark, 27 May 2017 - 30 May 2018, pp.1
- VI. **A15924G mt-tRNAT Gene Mutation is not the Primary Cause of Mitochondrial Myopathies**
ÇAKİRİS A., ABACI N., EMRENCE Z., PAÇAL F., GÜRSES R. C. , Kara B., ÜSTEK D.
64th American Society of Human Genetics Annual Meeting in San Diego, California, United States Of America, 18 - 22 October 2014, pp.68
- VII. **LEF1 controls expression of HEP27, which is a posttranslational regulator of p53**
Ekmekci S. S. , ABACI N., Gulec C., EMRENCE Z., Ekmekci C. G. , ÜSTEK D.
XIII.National congress of medical biology and genetics, Aydın, Turkey, 27 - 31 October 2013, pp.360-361
- VIII. **p53'ün posttranslasyonel regülatörü olan HEP27'nin ekspresyonu LEF1 tarafından kontrol edilmektedir**
SIRMA EKMEKÇİ S., ABACI N., GÜLEÇ Ç., EMRENCE Z., Ekmekci C. G. , ÜSTEK D.
XII. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Aydın, Turkey, 27 - 30 October 2013, pp.361
- IX. **Genome-Wide Analysis Reveals a Recessive Association of ERAP1 Variants with Behcet's Disease and Epistasis Between ERAP1 and HLA-B*51.**
REMMERS E. F. , KIRINO Y., BERTSIAS G., ISHIGATSUBO Y., KIM Y., OMBRELLO M. J. , Tugal-Tutkun I., Seyahi E., Ozyazgan Y., Sacli F. S. , et al.
Annual Scientific Meeting of the American-College-of-Rheumatology (ACR) and Association-of-Rheumatology-Health-Professionals (ARHP), Washington, Kiribati, 9 - 14 November 2012, vol.64
- X. **Targeted Deep Re-Sequencing Implicates Rare and Low Frequency Coding Variants in IL23R, MEFV, TLR4, and NOD2 in Behcet's Disease**
KIRINO Y., ZHOU Q., ISHIGATSUBO Y., MIZUKI N., TUGAL-TUTKUN I., Seyahi E., Ozyazgan Y., Sacli F. S. , Erer B., Emrence Z., et al.
Annual Scientific Meeting of the American-College-of-Rheumatology (ACR) and Association-of-Rheumatology-Health-Professionals (ARHP), Washington, Kiribati, 9 - 14 November 2012, vol.64
- XI. **XBP1 Splicing and reduced xbp1 expression in behcet s Disease.**
Abacı N., Coşan F., Azaklı H., Sırma Ekmekci S., Emrence Z., Çakiris A., Umberello M., Üstek D.
15th International Conference on Behçet's Disease,, Yokohama, Japan, 3 - 13 July 2012, pp.1-2
- XII. **CYTOKINE SECRETION AND CYTOTOXIC ACTIVITY OF NATURAL KILLER CELLS IN BEHCET'S DISEASE**
Cosan F., Cetin e., akdeniz n., EMRENCE Z., gecgel f., erbađ g., deniz g., dogru a., Cefle A.
eular 2012, Berlin, Germany, 6 - 09 June 2012, pp.3
- XIII. **XBP1 SPLICING AND REDUCED XBP1 EXPRESSION IN BEHCET'S DISEASE**
Cosan F., Cetin e., akdeniz n., EMRENCE Z., gecgel f., erbađ g., dogru a., deniz g., Cefle A., ABACI N.
eular 2012, Berlin, Germany, 6 - 09 June 2012, pp.2
- XIV. **THE ASSOCIATION OF HLA-B*51 EXPRESSION WITH ENDOPLASMIC RETICULUM STRESS**
Cosan F., EMRENCE Z., Azaklı H., Ekmekci S. S. , Cetin e., ABACI N., ÜSTEK D.
eular 2012, Berlin, Germany, 6 - 09 June 2012, pp.1
- XV. **An Insertion Mutation in the MDFIC (MyoD Family Inhibitor Domain Containing) Gene Defines a Novel Autoinflammatory Syndrome Associated with Lymphedema**

Gül A., Ustek D., Hatemi G., Azakli H., Emrence Z., Cosan F., Cakiris A., Abaci N., Arikan M., Cakar A., et al.
75th Annual Scientific Meeting of the American-College-of-Rheumatology/46th Annual Scientific Meeting of the
Association-of-Rheumatology-Health-Professionals, Illinois, United States Of America, 4 - 09 November 2011, vol.63

XVI. **MEFV Geni 3'UTR Varyasyonlarının mRNA Yıkımı Üzerindeki Etkisi**

EMRENCE Z.

2.DETAE Günleri, İstanbul, Turkey, 8 - 09 November 2010, pp.64-67

Other Publications

I. **NÜKLEOLAR PROTEİN 7 GENİNİN ALL-TRANS RETİNOİK ASİT TEDAVİSİNDEKİ ROLÜ**

SIRMA EKMEKÇİ S., emrence z.

Other, pp.111, 2016

Supported Projects

YENEREL M. N. , GÜL A., SIRMA EKMEKÇİ S., ÇAĞATAY A. A. , ABACI N., EMRENCE Z., Project Supported by Higher Education Institutions, COVID19 hastalarında intrensek pıhtılaşma Kallikrein yolağının durumu ve etkilerinin değerlendirilmesi, 2020 - Continues

ABACI N., SIRMA EKMEKÇİ S., ÇAKİRİS A., EMRENCE Z., Project Supported by Higher Education Institutions, T Hücreli Lösemide HEP27nin hücre bölünmesi ve apoptozu üzerine etkisi, 2017 - Continues

ÇAKİRİS A., EMRENCE Z., SARIMAN M., ABACI N., SIRMA EKMEKÇİ S., Project Supported by Higher Education Institutions, Ailevi Akdeniz Ateşi (AAA) Hastalarında MEFV geni UTR Varyasyonlarının Derin Dizileme ile Taranması, 2016 - Continues

SIRMA EKMEKÇİ S., EMRENCE Z., SARIMAN M., ABACI N., Project Supported by Higher Education Institutions, CEBPbeta transkripsiyon faktörünün MN1 ekspresyonu üzerindeki etkisinin araştırılması, 2017 - 2018

EMRENCE Z., SALMAN B., ABACI N., BİBEROĞLU N. E. , SARIMAN M., SIRMA EKMEKÇİ S., Project Supported by Higher Education Institutions, The Role of NOL7 Gene in All Trans Retinoic Acid Resistance of Acute Myeloid Leukemia Cells, 2017 - 2017

ABACI N., ÇAKİRİS A., EMRENCE Z., SIRMA EKMEKÇİ S., Project Supported by Higher Education Institutions, Klinik bulguları ağır seyreden Ailevi Akdeniz Ateşi Hastalarında MEFV dışı genlerin araştırılması, 2016 - 2017

SIRMA EKMEKÇİ S., ABACI N., ÇAKİRİS A., EMRENCE Z., Project Supported by Higher Education Institutions, Tanımlanamayan kalıtsal otoinflamatuvar hastalıklarda patogenez ile ilişkili aday genlerin araştırılması, 2015 - 2016

SIRMA EKMEKÇİ S., EMRENCE Z., Project Supported by Higher Education Institutions, Nukleer Protein 7 Geninin All-Trans Retinoik Asit Tedavisindeki Rolü, 2015 - 2016

Invited Congress and Symposium Activities

First International Multidisciplinary Cancer Research Congress, Attendee, Diyarbakır, Turkey, 2019

XV.Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Attendee, Muğla, Turkey, 2017

The European Human Genetics Conference, 2017, Attendee, København, Denmark, 2017

2.DETAE Günleri, Attendee, İstanbul, Turkey, 2010

Autoinflammation 2010, Attendee, Amsterdam, Netherlands, 2010

Citations

Total Citations (WOS):342

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