

Asst. Prof. AYSUN ADAN

Personal Information

Email: aysun.adan@agu.edu.tr

Education Information

Doctorate, İzmir Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik, Turkey 2010 - 2015

Post Graduate, İzmir Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik, Turkey 2006 - 2010

Under Graduate, Ege Üniversitesi, Fen Fakültesi, Biyoloji Bölümü/Temel Ve Endüstriyel Mikrobiyoloji Anabilim Dalı, Turkey 2001 - 2006

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, THERAPEUTIC POTENTIALS OF Fisetin, Hesperetin and Vitexin on Chronic Myeloid Leukemia and Acute Myeloid Leukemia Cells, İzmir Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Moleküler Biyoloji Ve Genetik, 2015

Post Graduate, ISOLATION AND IDENTIFICATION OF A Lipase Producing Psychrotrophic Bacteria from Soil: Cloning and Partial Characterization of its Lipase, İzmir Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Moleküler Biyoloji Ve Genetik, 2009

Research Areas

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

Academic Titles / Tasks

Assistant Professor, Abdullah Gül Üniversitesi, Yaşam ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji ve Genetik, 2018 - Continues

Assistant Professor, Abdullah Gül Üniversitesi, Yaşam ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji ve Genetik, 2015 - 2018

Research Assistant, İzmir Yüksek Teknoloji Enstitüsü, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik, 2007 - 2015

Courses

Kanser Biyolojisi ve Tedavisi, Post Graduate, 2016 - 2017

Biology for Bioengineers, Under Graduate, 2016 - 2017

Science of Nature, Under Graduate, 2014 - 2015

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

- **A minimally invasive transfer method of mesenchymal stem cells to the intact periodontal ligament of rat teeth: a preliminary study**
GÜL AMUK N., Kurt G., Kartal Yandim M., Adan A., BARAN Y.
TURKISH JOURNAL OF BIOLOGY, vol.42, pp.382-391, 2018 (Journal Indexed in SCI)
- **Effects of cell-mediated osteoprotegerin gene transfer and mesenchymal stem cell applications on orthodontically induced root resorption of rat teeth**
AMUK N., KURT G., BARAN Y., SEYRANTEPE V., YANDIM M., ADAN A., DEMIR S., KIRAZ Y., SONMEZ M.
EUROPEAN JOURNAL OF ORTHODONTICS, pp.1-8, 2016 (Journal Indexed in SCI)
- **Intraperitoneal mesenchymal stem cell administration ameliorates allergic rhinitis in the murine model**
IŞIK S., KARAMAN M., ADAN A., KIRAY M., BAĞRIYANIK H., SÖZMEN Ş., KOZANOĞLU İ., KARAMAN Ö., BARAN Y., UZUNER N.
EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY, vol.274, pp.197-207, 2016 (Journal Indexed in SCI Expanded)
- **Major apoptotic mechanisms and genes involved in apoptosis**
KIRAZ Y., ADAN A., Yandim M. K. , BARAN Y.
TUMOR BIOLOGY, vol.37, pp.8471-8486, 2016 (Journal Indexed in SCI)
- **Fisetin and hesperetin induced apoptosis and cell cycle arrest in chronic myeloid leukemia cells accompanied by modulation of cellular signaling**
ADAN A., BARAN Y.
TUMOR BIOLOGY, vol.37, pp.5781-5795, 2016 (Journal Indexed in SCI)
- **Flow cytometry: basic principles and applications**
ADAN A., ALIZADA G., KIRAZ Y., BARAN Y., NALBANT A.
CRITICAL REVIEWS IN BIOTECHNOLOGY, vol.37, pp.163-176, 2016 (Journal Indexed in SCI)
- **Cell Proliferation and Cytotoxicity Assays**
ADAN A., KIRAZ Y., BARAN Y.
CURRENT PHARMACEUTICAL BIOTECHNOLOGY, vol.17, pp.1213-1221, 2016 (Journal Indexed in SCI)
- **The pleiotropic effects of fisetin and hesperetin on human acute promyelocytic leukemia cells are mediated through apoptosis, cell cycle arrest, and alterations in signaling networks**
ADAN A., BARAN Y.
TUMOR BIOLOGY, vol.36, pp.8973-8984, 2015 (Journal Indexed in SCI)
- **Nilotinib Does Not Alter the Secretory Functions of Carotid Artery Endothelial Cells in a Prothrombotic or Antithrombotic Fashion**
Katgi A., Sevindik O. G. , Gokbulut A., Ozsan G. H. , Yuksel F., Solmaz S. M. , Alacacioglu I., Ozcan M. A. , Demirkan F., Baran Y., et al.
CLINICAL AND APPLIED THROMBOSIS-HEMOSTASIS, vol.21, pp.678-683, 2015 (Journal Indexed in SCI)
- **Revealing genome-wide mRNA and microRNA expression patterns in leukemic cells highlighted "hsa-miR-2278" as a tumor suppressor for regain of chemotherapeutic imatinib response due to targeting STAT5A**
Kaymaz B. T. , Gunel N. S. , Ceyhan M., Cetintas V. B. , Ozel B., Yandim M. K. , Kipcak S., Aktan C., Gokbulut A., Baran Y., et al.
TUMOR BIOLOGY, vol.36, pp.7915-7927, 2015 (Journal Indexed in SCI)
- **A Novel Natural Product, KL-21, Inhibits Proliferation and Induces Apoptosis in Chronic Lymphocytic Leukemia Cells**
ADAN A., YAŞAR M., BARAN Y.
TURKISH JOURNAL OF HEMATOLOGY, vol.32, pp.118-126, 2015 (Journal Indexed in SCI Expanded)

Refereed Congress / Symposium Publications in Proceedings

- **Multidrug resistance mechanisms in hematological malignancies**
KIRAZ Y., ADAN A., BARAN Y.
FRONTIERS IN SCIENTIFIC RESEARCH-TWAS, Bangalore, India, 21 - 22 December 2015, pp.1
- **THE MICROARRAY GENE PROFILING ANALYSIS OF ACUTE PROMYELOCYTIC LEUKEMIA CELLS IN RESPONSE TO Fisetin AND HESPERETIN**

ADAN A., BARAN Y.

20TH Congress of THE European Hematology Association, Viyana, Austria, 11 June - 14 October 2015, pp.651

• **Multidrug Resistance Mechanisms in Leukemias**

BARAN Y., KIRAZ Y., ADAN A.

Future of Biomedicine Conference 2015, Vladivostok, Russia, 2 - 07 September 2015, pp.53

• **Therapeutic potential of fisetin and identification of its mechanisms in action in chronic myeloid leukemia and acute promyelocytic leukemia cells**

ADAN A., BARAN Y.

40TH FEBS CONGRESS, Berlin, Germany, 4 - 09 July 2015, pp.241

• **A GENOME-WIDE ANALYSES OF DIFFERENTIALLY EXPRESSED GENES AND RELATED NETWORKS AFFECTED BY FİSETİN AND HESPERETİN IN CHRONIC MYELOİD LEUKEMIA CELLS**

ADAN A., BARAN Y.

20th Congress of the European Hematology Association, Viyana, Austria, 11 - 14 June 2015, pp.686

• **SPHINGOSINE-1-PHOSPHATE RECEPTOR 2/GQ/PHOSPHOLIPASE C AXIS IS A NOVEL MECHANISM TO OVERCOME NİLOTİNİB RESİSTANCE IN T315I MUTATION EXPRESSING 32DCL3 MURINE CELLS**

ADAN A., OGRET MEN B., BARAN Y.

20TH Congress of the European Hematology Association, Viyana, Austria, 11 - 14 June 2015, pp.428

• **Revealing Genome Wide mRNA and miRNA Expression Profiles in Parental and Imatinib Resistant Chronic Myeloid Leukemia Cells**

TEZCANLI KAYMAZ B., SELVİ GÜNEL N., CEYHAN M., BOZOK ÇETİNTAŞ V., KARTAL YANDIM M., ÖZEL B., KIPÇAK S., AKTAN Ç., ADAN A., BARAN Y., et al.

V. INTERNATIONAL CONGRESS OF MOLECULAR MEDICINE, İzmir, Turkey, 20 - 22 May 2015, pp.176

• **Targeting STAT3 has therapeutic potential to regain nilotinib response in parental and resistant chronic myeloid leukemia cells**

TEZCANLI KAYMAZ B., SELVİ GÜNEL N., BOZOK ÇETİNTAŞ V., ADAN A., BARAN Y., GÜNDÜZ C., KOSOVA CAN B.

EACR-Sponsored 3rd Anticancer Agent Development Congress, İzmir, Turkey, 18 - 19 May 2015, pp.182

• **OVERCOMING NİLOTİNİB RESİSTANCE BY SPECİFİC İNHI BİTİON OF SPHINGOSİNE-1- PHOSPHATE RECEPTOR 2/GQ/ PHOSPHOLIPASE C AXIS İN CHRONİC MYELOİD LEUKEMİA**

ADAN A., OGRET MEN B., BARAN Y.

International Ceramide Conference, İzmir, Turkey, 6 - 10 May 2015, pp.85

• **HESPERETİN ARACILI APOPTOZDA ROLÜ OLAN SİNYAL YOLAKLARININ AKUT MYELOİD LÖSEMİ VE KRONİK MYELOİD LÖSEMİ HÜCRELERİNDE TÛM GENOM MİKROARRAY ANALİZİ İLE SAPTANMASI**

ADAN A., BARAN Y.

2. ULUSLARARASI KA TILIMLI DENEYSEL HEMA TOLOJİ KONGRESİ, Kayseri, Turkey, 17 - 19 April 2015, pp.10

• **FİSETİN TARAFINDAN MODÛLE EDİLEN GEN VE GENETİK YOLAKLARIN AKUT MİYELOİD LÖSEMİ VE KRONİK MYELOİD LÖSEMİ HÜCRELERİNDE TÛM GENOM MİKROARRAY ANALİZİ İLE SAPTANMASI**

ADAN A., BARAN Y.

2. ULUSLARARASI KA TILIMLI DENEYSEL HEMA TOLOJİ KONGRESİ, Kayseri, Turkey, 17 - 19 April 2015, pp.32

Supported Projects

ADAN A., TUBİTAK Project, Resveratrol'ün Ph+ Akut Lenfoblastik Lösemide Terapötik Potansiyeli ve Resveratrol Tarafından Tetiklenen Apoptozda Seramid Metabolizmasının Rolü, 2016 - Continues

Citations

Total Citations (WOS):235

h-index (WOS):5

Awards

ADAN A., Seyehat Tam Destek Ödülü, ICGEB, November 2016
ADAN A., The 15th FEBS young scientists' forum, FEBS, July 2015
ADAN A., Travel Grant, The Sphingolipid Club, May 2015
ADAN A., En İyi Bildiri Ödülü, Deneysel Hematoloji Derneđi, April 2015