

Prof. YUSUF BARAN

Personal Information

Email: yusuf.baran@agu.edu.tr

Web: <https://www.yusufbaran.net>

Address: Abdullah Gül Üniversitesi Yaşam ve Doğa Bilimleri Fakültesi Kayseri

Biography

Dr. Yusuf Baran has been working as a full professor at Abdullah Gul University, Faculty of Life and Natural Sciences, Department of Molecular Biology and Genetics. After receiving his bachelor degree in Dicle University, Department of Biology between 1994-1998, he earned his M.Sc. and Ph.D. degrees in 2002 and 2006, respectively, in the Middle East Technical University, Faculty of Science, Department of Biological Sciences. During his Ph.D. studies, he was awarded with the NATO-A2 scholarship provided by NATO, and got the chance to continue his research in the United States of America, Medical University of South Carolina, Hollings Cancer Center, Department of Biochemistry and Molecular Biology for 6 months (2005 July-2006 February).

Dr. Yusuf Baran has been involved in more than twenty scientific research projects supported by national and international organizations. Dr. Yusuf Baran has authored or co-authored in more than 85 papers in peer-reviewed journals, he has given more than 100 invited talks in national and international meetings and conferences, is the author of 5 book chapters. His scientific achievements has been recognized and awarded by national and international accredited institutions holding more than 100 awards. Selected ones are "Outstanding Young Scientist Award" by Turkish Academy of Sciences in 2010 and "2013 Young Scientist" by World Economic Forum (WEF) in 2013. This honor by WEF is bestowed each year to recognize the most distinguished science leaders under the age of 40, nominated from around the world. Dr Baran's selection is in recognition of his record of scientific excellence, his commitment to society and potential to contribute to transforming the world through his scientific knowledge. He was also elected as "Outstanding Young Person of Turkey in Scientific Leadership", by International Young Leaders and Entrepreneurs in 2013.

He is also a member of Executive Committee of The Scientific and Technical Research Council of Turkey and Global Young Academy. Currently, he is the dean of Faculty of Life and Natural Sciences and head of Department of Molecular Biology and Genetics at Abdullah Gul University. In his research, Dr. Baran focused on molecular biology of cancer, molecular hematology, multidrug resistance mechanisms, reversal of resistance, apoptosis, the involvement of bioactive sphingolipids in apoptosis and drug resistance, combination therapies, signalling pathways.

Education Information

Doctorate, Middle East Technical University, Fen-Moleküler Biyoloji Ve Genetik Bölümü, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2002 - 2006

Postgraduate, Middle East Technical University, Fen-Moleküler Biyoloji Ve Genetik Bölümü, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2000 - 2002

Undergraduate, Dicle University, Eğitim-Biyoloji Öğretmenliği, Turkey 1994 - 1998

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, İMATİNİB'E DİRENÇLİ İNSAN KRONİK MYELOİD LÖSEMİ HÜCRELERİNDE ÇOKLU İLAÇ DİRENÇLİLİK MEKANİZMALARI , Orta Doğu Teknik Üniversitesi, Fen Fakültesi, Moleküler Biyoloji Ve Genetik Bilimi, 2006

Postgraduate, Vinkristine Dirençli HL60 Hücrelerinde MDR1 genin ekspresyon düzeyleri, Orta Doğu Teknik Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 2002

Research Areas

Health Sciences, Medicine, Fundamental Medical Sciences, Medical Biology, Life Sciences, Molecular Biology and Genetics, Genetic Engineering, Molecular Biology of Cancer, Natural Sciences

Academic Titles / Tasks

Professor, Abdullah Gul University, Yaşam Ve Doğa Bilimleri Fakültesi, -, 2015 - Continues

Professor, Izmir Institute Of Technology, Faculty Of Science, Department Of Molecular Biology And Genetics (English), 2014 - Continues

Associate Professor, Izmir Institute Of Technology, Faculty Of Science, Department Of Molecular Biology And Genetics (English), 2009 - 2014

Assistant Professor, Izmir Institute Of Technology, Faculty Of Science, Department Of Molecular Biology And Genetics (English), 2008 - 2009

Research Assistant PhD, Izmir Institute Of Technology, Faculty Of Science, Department Of Molecular Biology And Genetics (English), 2006 - 2008

Research Assistant, University of South Carolina, Holling Cancer Center, Biochemistry And Molecular Biology, 2005 - 2006

Research Assistant, Izmir Institute Of Technology, Faculty Of Science, Department Of Molecular Biology And Genetics (English), 2000 - 2006

Research Assistant, Izmir Institute Of Technology, Faculty Of Science, Department Of Molecular Biology And Genetics (English), 1999 - 2000

Academic and Administrative Experience

Abdullah Gül Üniversitesi, Yaşam ve Doğa Bilimleri Fakültesi, 2015 - Continues

Abdullah Gül Üniversitesi, Moleküler Biyoloji Ve Genetik Bölümü, 2015 - Continues

İzmir Yüksek Teknoloji Enstitüsü, Biyoteknoloji Ve Biyomühendislik Uygulama Ve Araştırma Merkezi, 2013 - 2015

İzmir Yüksek Teknoloji Enstitüsü, Biyoteknoloji Ve Biyomühendislik Bölümü, 2008 - 2015

İzmir Yüksek Teknoloji Enstitüsü, Moleküler Biyoloji Ve Genetik Bölümü, 2007 - 2015

İzmir Yüksek Teknoloji Enstitüsü, Biyoteknoloji Ve Biyomühendislik Uygulama Ve Araştırma Merkezi, 2010 - 2013

İzmir Yüksek Teknoloji Enstitüsü, 2010 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

I. Precision medicine in oncology: Challenges, stakes and new paradigms

Cox S., Rousseau-Tsangaris M., Abou-Zeid N., Dalle S., Leurent P., Cutivet A., Le H., Kotb S., Bogaert B., Gardette R., et al.

BULLETIN DU CANCER, vol.106, no.2, pp.97-104, 2019 (SCI-Expanded)

- II. **An answer to colon cancer treatment by mesenchymal stem cell originated from adipose tissue**
İPLİK E. S., Ertugrul B., KOZANOĞLU İ., BARAN Y., Cakmakoglu B.
IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES, vol.21, no.5, pp.465-468, 2018 (SCI-Expanded)
- III. **Flow cytometry: basic principles and applications**
ADAN A., Alizada G., Kiraz Y., Baran Y., Nalbant A.
CRITICAL REVIEWS IN BIOTECHNOLOGY, vol.37, no.2, pp.163-176, 2017 (SCI-Expanded)
- IV. **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., DEMİR S., KIRAZ Y., SONMEZ M.
EUROPEAN JOURNAL OF ORTHODONTICS, pp.1-8, 2016 (SCI-Expanded)
- V. **Major apoptotic mechanisms and genes involved in apoptosis**
KIRAZ Y., ADAN A., Yandim M. K., BARAN Y.
TUMOR BIOLOGY, vol.37, no.7, pp.8471-8486, 2016 (SCI-Expanded)
- VI. **Intraperitoneal mesenchymal stem cell administration ameliorates allergic rhinitis in the murine model**
IŞIK S., KARAMAN M., ADAN A., KIRAZ Y., BAĞRİYANIK H., SÖZMEN Ş., KOZANOĞLU İ., KARAMAN Ö., BARAN Y., UZUNER N.
EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY, vol.274, no.1, pp.197-207, 2016 (SCI-Expanded)
- VII. **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, no.5, pp.5781-5795, 2016 (SCI-Expanded)
- VIII. **Apoptotic effects of non-edible parts of Punica granatum on human multiple myeloma cells.**
KIRAZ Y., NEERGHEEN-BHUJUN V., RUMMUN N., BARAN Y.
TUMOR BIOLOGY, vol.37, no.1, pp.1802-1815, 2016 (SCI-Expanded)
- IX. **Flow cytometry: basic principles and applications**
ADAN A., ALIZADA G., KIRAZ Y., BARAN Y., NALBANT A.
CRITICAL REVIEWS IN BIOTECHNOLOGY, vol.37, no.2, pp.163-176, 2016 (SCI-Expanded)
- X. **Cell Proliferation and Cytotoxicity Assays**
ADAN A., KIRAZ Y., BARAN Y.
CURRENT PHARMACEUTICAL BIOTECHNOLOGY, vol.17, no.14, pp.1213-1221, 2016 (SCI-Expanded)
- XI. **T cells in Tumor Microenvironment**
KIRAZ Y., BARAN Y., NALBANT A.
TUMOR BIOLOGY, vol.37, no.1, pp.39-45, 2016 (SCI-Expanded)
- XII. **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, no.11, pp.8973-8984, 2015 (SCI-Expanded)
- XIII. **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., Adan A., Baran Y., et al.
TUMOR BIOLOGY, vol.36, no.10, pp.7915-7927, 2015 (SCI-Expanded)
- XIV. **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, no.2, pp.118-126, 2015 (SCI-Expanded)
- XV. **Targeting FoxM1 transcription factor in T-cell acute lymphoblastic leukemia cell line**
Tufekci O., Yandim M. K., Oren H., Irken G., Baran Y.
LEUKEMIA RESEARCH, vol.39, no.3, pp.342-347, 2015 (SCI-Expanded)

- XVI. **An update on molecular biology and drug resistance mechanisms of multiple myeloma.**
MUTLU P., KIRAZ Y., GÜNDÜZ U., BARAN Y.
CRITICAL REVIEWS IN ONCOLOGY HEMATOLOGY, vol.96, no.3, pp.413-424, 2015 (SCI-Expanded)
- XVII. **Molecular mechanisms of drug resistance and its reversal in cancer**
BARAN Y., Adan Gökbulut A., Kartal Yandım M.
CRITICAL REVIEWS IN BIOTECHNOLOGY, no.11, pp.1-11, 2015 (SCI-Expanded)
- XVIII. **Comparative development of knowledge-based bioeconomy in the European Union and Turkey**
Ozan D. C., Baran Y.
CRITICAL REVIEWS IN BIOTECHNOLOGY, vol.34, no.3, pp.269-280, 2014 (SCI-Expanded)
- XIX. **Molecular Mechanisms of Quercitrin-induced Apoptosis in Non-small Cell Lung Cancer**
Cincin Z. B., Unlu M., Kiran B., Bireller E. S., Baran Y., Cakmakoglu B.
ARCHIVES OF MEDICAL RESEARCH, vol.45, no.6, pp.445-454, 2014 (SCI-Expanded)
- XX. **An update on molecular biology of thyroid cancers**
ÖMÜR Ö., Baran Y.
CRITICAL REVIEWS IN ONCOLOGY HEMATOLOGY, vol.90, no.3, pp.233-252, 2014 (SCI-Expanded)
- XXI. **Bioactive, functional and edible film-forming properties of isolated hazelnut (*Corylus avellana* L.) meal proteins**
Aydemir L. Y., Adan A., Baran Y., Yemenicioglu A.
FOOD HYDROCOLLOIDS, vol.36, pp.130-142, 2014 (SCI-Expanded)
- XXII. **Therapeutic Potential of Apigenin, a Plant Flavonoid, for Imatinib-Sensitive and Resistant Chronic Myeloid Leukemia Cells**
Solmaz S., Adan A., Cincin B., Ozdogu H., Boga C., Cakmakoglu B., Kozanoglu I., Baran Y.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.66, no.4, pp.599-612, 2014 (SCI-Expanded)
- XXIII. **Fluorine-18 fluorodeoxyglucose PET-CT for extranodal staging of non-Hodgkin and Hodgkin lymphoma**
ÖMÜR Ö., Baran Y., ORAL A., Ceylan Y.
DIAGNOSTIC AND INTERVENTIONAL RADIOLOGY, vol.20, no.2, pp.185-192, 2014 (SCI-Expanded)
- XXIV. **Multidrug resistance in chronic myeloid leukemia**
Unlu M., Kiraz Y., Kaci F. N., Ozcan M. A., Baran Y.
TURKISH JOURNAL OF BIOLOGY, vol.38, no.6, pp.806-816, 2014 (SCI-Expanded)
- XXV. **5-Fluorouracil signaling through a calcium-calmodulin-dependent pathway is required for p53 activation and apoptosis in colon carcinoma cells**
Can G., Akpınar B., Baran Y., Zhivotovsky B., Olsson M.
ONCOGENE, vol.32, no.38, pp.4529-4538, 2013 (SCI-Expanded)
- XXVI. **STAT pathway in the regulation of zoledronic acid-induced apoptosis in chronic myeloid leukemia cells**
Kiper H. D., Kaymaz B. T., Adan A., Selvi N., Avci C. B., Kosova B., Iskender G., Yandım M. K., Gündüz C., Şahin F., et al.
BIOMEDICINE & PHARMACOTHERAPY, vol.67, no.6, pp.527-532, 2013 (SCI-Expanded)
- XXVII. **The roles of epigenetic modifications of proapoptotic BID and BIM genes in imatinib-resistant chronic myeloid leukemia cells**
Bozkurt S., Ozkan T., ÖZMEN F., Baran Y., Sunguroglu A., Kansu E.
HEMATOLOGY, vol.18, no.4, pp.217-223, 2013 (SCI-Expanded)
- XXVIII. **Autologous rabbit adipose tissue-derived mesenchymal stromal cells for the treatment of bone injuries with distraction osteogenesis**
Sunay O., Can G., Cakir Z., Denek Z., Kozanoglu I., Erbil G., Yilmaz M., Baran Y.
CYTOTHERAPY, vol.15, no.6, pp.690-702, 2013 (SCI-Expanded)
- XXIX. **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)
- XXX. **Resveratrol and quercetin-induced apoptosis of human 232B4 chronic lymphocytic leukemia cells by**

activation of caspase-3 and cell cycle arrest

Adan A., Apohan E., Baran Y.

HEMATOLOGY, vol.18, no.3, pp.144-150, 2013 (SCI-Expanded)

- XXXI. **Changes in protein profiles of multiple myeloma cells in response to bortezomib**
Turan T., Sanli-Mohamed G., Baran Y.
LEUKEMIA & LYMPHOMA, vol.54, no.5, pp.1061-1068, 2013 (SCI-Expanded)
- XXXII. **Gossypol Interferes with Both Type I and Type II Topoisomerase Activities Without Generating Strand Breaks**
Senarisoy M., Canturk P., Zencir S., Baran Y., TOPÇU Z.
CELL BIOCHEMISTRY AND BIOPHYSICS, vol.66, no.1, pp.199-204, 2013 (SCI-Expanded)
- XXXIII. **miR-17 in imatinib resistance and response to tyrosine kinase inhibitors in chronic myeloid leukemia cells**
Firatligil B., Avci C. B., Baran Y.
JOURNAL OF BUON, vol.18, no.2, pp.437-441, 2013 (SCI-Expanded)
- XXXIV. **The roles of macromolecules in imatinib resistance of chronic myeloid leukemia cells by Fourier transform infrared spectroscopy**
Baran Y., Ceylan C., Camgoz A.
BIOMEDICINE & PHARMACOTHERAPY, vol.67, no.3, pp.221-227, 2013 (SCI-Expanded)
- XXXV. **New indication for therapeutic potential of an old well-known drug (propranolol) for multiple myeloma**
Kozanoglu I., Yandim M. K., Cincin Z. B., Ozdogu H., Cakmakoglu B., Baran Y.
JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY, vol.139, no.2, pp.327-335, 2013 (SCI-Expanded)
- XXXVI. **Novel Agents Targeting Bioactive Sphingolipids for the Treatment of Cancer**
Adan-Gokbulut A., Kartal-Yandim M., Iskender G., Baran Y.
CURRENT MEDICINAL CHEMISTRY, vol.20, no.1, pp.108-122, 2013 (SCI-Expanded)
- XXXVII. **Therapeutic potential of targeting ceramide/glucosylceramide pathway in cancer**
Yandim M. K., APOHAN E., Baran Y.
CANCER CHEMOTHERAPY AND PHARMACOLOGY, vol.71, no.1, pp.13-20, 2013 (SCI-Expanded)
- XXXVIII. **Macromolecular Changes in Nilotinib Resistant K562 Cells; an In vitro Study by Fourier Transform Infrared Spectroscopy**
Ceylan C., Camgoz A., Baran Y.
TECHNOLOGY IN CANCER RESEARCH & TREATMENT, vol.11, no.4, pp.333-344, 2012 (SCI-Expanded)
- XXXIX. **Enalapril-induced Apoptosis of Acute Promyelocytic Leukaemia Cells Involves STAT5A**
Purclutepe O., Iskender G., Kiper H. D., Tezcanli B., Selvi N., Avci C. B., Kosova B., Adan A., Şahin F., Baran Y., et al.
ANTICANCER RESEARCH, vol.32, no.7, pp.2885-2893, 2012 (SCI-Expanded)
- XL. **Bioactive sphingolipids in docetaxel-induced apoptosis in human prostate cancer cells**
Basoy E. Y., Baran Y.
BIOMEDICINE & PHARMACOTHERAPY, vol.66, no.2, pp.103-110, 2012 (SCI-Expanded)
- XLI. **Role of autophagy in the progression and suppression of leukemias**
Ekiz H. A., Can G., Baran Y.
CRITICAL REVIEWS IN ONCOLOGY HEMATOLOGY, vol.81, no.3, pp.275-285, 2012 (SCI-Expanded)
- XLII. **Imatinib-induced apoptosis: a possible link to topoisomerase enzyme inhibition**
Baran Y., Zencir S., Cakir Z., ÖZTÜRK E., TOPÇU Z.
JOURNAL OF CLINICAL PHARMACY AND THERAPEUTICS, vol.36, no.6, pp.673-679, 2011 (SCI-Expanded)
- XLIII. **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)
- XLIV. **The roles of antiapoptotic sphingosine kinase-1 and glucosylceramide genes in drug induced cell death of MCF-7 breast cancer cells**
Gucluler G., Piskin O., Baran Y.

JOURNAL OF BUON, vol.16, no.4, pp.646-651, 2011 (SCI-Expanded)

- XLV. **Quercetin-induced apoptosis involves increased hTERT enzyme activity of leukemic cells**
Avcı C. B., Yılmaz S., Dogan Z. O., SAYDAM G., Dodurga Y., Ekiz H. A., Kartal M., ŞAHİN F., Baran Y., GÜNDÜZ C.
HEMATOLOGY, vol.16, no.5, pp.303-307, 2011 (SCI-Expanded)
- XLVI. **Mesenchymal stem cells ameliorate the histopathological changes in a murine model of chronic asthma**
Firinci F., Karaman M., Baran Y., Bagriyanik A., AYYILDIZ Z. A., Kiray M., KOZANOGLU I., Yılmaz O., UZUNER N., KARAMAN O.
INTERNATIONAL IMMUNOPHARMACOLOGY, vol.11, no.8, pp.1120-1126, 2011 (SCI-Expanded)
- XLVII. **Roles of ceramide synthase and ceramide clearance genes in nilotinib-induced cell death in chronic myeloidleukemia 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)
- XLVIII. **Sphingosine kinase-1 and sphingosine 1-phosphate receptor 2 mediate Bcr-Abl1 stability and drug resistance by modulation of protein phosphatase 2A**
Salas A., Ponnusamy S., SENKAL C. E., Meyers-Needham M., Selvam S. P., Saddoughi S. A., APOHAN E., Sentelle R. D., SMITH C., Gault C. R., et al.
BLOOD, vol.117, no.22, pp.5941-5952, 2011 (SCI-Expanded)
- XLIX. **Bioactive Sphingolipids in Response to Chemotherapy: A Scope on Leukemias**
Ekiz H. A., Baran Y.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.11, no.4, pp.385-397, 2011 (SCI-Expanded)
- L. **Imatinib induces autophagy through BECLIN-1 and ATG5 genes in chronic myeloid leukemia cells**
Can G., Ekiz H. A., Baran Y.
HEMATOLOGY, vol.16, no.2, pp.95-99, 2011 (SCI-Expanded)
- LI. **The importance of protein profiling in the diagnosis and treatment of hematologic malignancies**
Sanli-Mohamed G., Turan T., EKIZ H. A., Baran Y.
TURKISH JOURNAL OF HEMATOLOGY, vol.28, no.1, pp.1-14, 2011 (SCI-Expanded)
- LII. **Journal of Cancer Research and Clinical Oncology Volume 137, Issue 2, February 2011, Pages 279-286 The roles of bioactive sphingolipids in resveratrol-induced apoptosis in HL60 acute myeloid leukemia cells**
BARAN Y., Çakır Z., Saydam G., Şahin F.
JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY, no.137, pp.279-286, 2011 (SCI-Expanded)
- LIII. **Caffeic acid phenethyl ester triggers apoptosis through induction of loss of mitochondrial membrane potential in CCRF-CEM cells**
Avcı C. B., GÜNDÜZ C., Baran Y., ŞAHİN F., Yılmaz S., Dogan Z. O., SAYDAM G.
JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY, vol.137, no.1, pp.41-47, 2011 (SCI-Expanded)
- LIV. **Resveratrol Triggers Apoptosis Through Regulating Ceramide Metabolizing Genes in Human K562 Chronic Myeloid Leukemia Cells**
Kartal M., SAYDAM G., ŞAHİN F., Baran Y.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.63, no.4, pp.637-644, 2011 (SCI-Expanded)
- LV. **Therapeutic applications of bioactive sphingolipids in hematological malignancies**
Ekiz H. A., Baran Y.
INTERNATIONAL JOURNAL OF CANCER, vol.127, no.7, pp.1497-1506, 2010 (SCI-Expanded)
- LVI. **Proteasome Inhibitor Bortezomib Increases Radiation Sensitivity in Androgen Independent Human Prostate Cancer Cells**
GOKTAS S., Baran Y., URAL A. U., YAZICI S., AYDUR E., BASAL S., AVCU F., PEKEL A., DIRICAN B., BEYZADEOGLU M.
UROLOGY, vol.75, no.4, pp.793-798, 2010 (SCI-Expanded)
- LVII. **Docetaxel enhances the cytotoxic effects of imatinib on Philadelphia positive human chronic myeloid leukemia cells**
GUCLULER G., Baran Y.
HEMATOLOGY, vol.14, no.3, pp.139-144, 2009 (SCI-Expanded)

- LVIII. Bisphosphonate treatment and radiotherapy in metastatic breast cancer**
 URAL A. U., AVCU F., Baran Y.
 MEDICAL ONCOLOGY, vol.25, no.3, pp.350-355, 2008 (SCI-Expanded)
- LIX. Cytotoxic effects of four different endodontic materials in human periodontal ligament fibroblasts**
 GÖRDUYSUS M., AVCU N., Gorduysus O., PEKEL A., Baran Y., AVCU F., Ural A. U.
 JOURNAL OF ENDODONTICS, vol.33, no.12, pp.1450-1454, 2007 (SCI-Expanded)
- LX. Upregulation of multi drug resistance genes in doxorubicin resistant human acute myelogenous leukemia cells and reversal of the resistance**
 Baran Y., Guer B., Kaya P., Ural A. U., AVCU F., Guenduez U.
 HEMATOLOGY, vol.12, no.6, pp.511-517, 2007 (SCI-Expanded)
- LXI. Alterations of ceramide/sphingosine 1-phosphate rheostat involved in the regulation of resistance to imatinib-induced apoptosis in K562 human chronic myeloid leukemia cells**
 BARAN Y., Salas A., Senkal C. E., Gündüz U., Bielawski J., Obeid L., Ogretmen B.
 JOURNAL OF BIOLOGICAL CHEMISTRY, vol.282, no.15, pp.10922-10934, 2007 (SCI-Expanded)
- LXII. Serum and follicular fluid levels of soluble Fas, soluble Fas ligand and apoptosis of luteinized granulosa cells in PCOS patients undergoing IVF**
 ONALAN G., SELAM B., Baran Y., CINCIK M., ONALAN R., GUNDUZ U., URAL A., PABUCCU R.
 HUMAN REPRODUCTION, vol.20, no.9, pp.2391-2395, 2005 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. Multidrug resistance mechanisms in hematological malignancies**
 KİRAZ Y., ADAN A., BARAN Y.
 FRONTIERS IN SCIENTIFIC RESEARCH-TWAS, Bangalore, India, 21 - 22 December 2015, pp.1
- II. 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
- III. Multidrug Resistance Mechanisms in Leukemias**
 BARAN Y., KİRAZ Y., ADAN A.
 Future of Biomedicine Conference 2015, Vladivostok, Russia, 2 - 07 September 2015, pp.53
- IV. 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
- V. SPHINGOSINE-1-PHOSPHATE RECEPTOR 2/GQ/PHOSPHOLIPASE C AXIS IS A NOVEL MECHANISM TO OVERCOME Nilotinib RESISTANCE 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
- VI. A GENOME-WIDE ANALYSES OF DIFFERENTIALLY EXPRESSED GENES AND RELATED NETWORKS AFFECTED BY Fisetin and Hesperetin in Chronic Myeloid Leukemia Cells**
 ADAN A., BARAN Y.
 20th Congress of the European Hematology Association, Viyana, Austria, 11 - 14 June 2015, pp.686
- VII. 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
- VIII. 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
- IX. **OVERCOMING NILOTINIB RESISTANCE BY SPECIFIC INHIBITION OF SPHINGOSINE-1-. PHOSPHATE RECEPTOR 2/GQ/ PHOSPHOLIPASE C AXIS IN CHRONIC MYELOID LEUKEMIA**
ADAN A., OGRETMEN B., BARAN Y.
International Ceramide Conference, İzmir, Turkey, 6 - 10 May 2015, pp.85
- X. **HESPERETİN ARACILI APOPTOZDA ROLÜ OLAN SİNYAL YOLAKLARININ AKUT MYELOİD LÖSEMİ VE KRONİK MYELOİD LÖSEMİ HÜCRELERİNDE TÜM 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
- XI. **FİSETİN TARAFINDAN MODÜLE EDİLEN GEN VE GENETİK YOLAKLARIN AKUT MİYELOİD LÖSEMİ VE KRONİK MYELOİD LÖSEMİ HÜCRELERİNDE TÜM 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

BARAN Y., ÜNAL A., ADAN A., KİRAZ Y., Project Supported by Higher Education Institutions, Ph+ AKUT LENFOBLASTİK LÖSEMİDE YENİ BİR TEDAVİ YAKLAŞIMI: SFİNGOZİN KİNAZ SİNYAL YOLAĞININ HEDEFLENMESİ, 2015 - 2019

Metrics

Publication: 73
Citation (WoS): 1910
Citation (Scopus): 1962
H-Index (WoS): 23
H-Index (Scopus): 22

Congress and Symposium Activities

Ege Bilim ve Teknoloji Sempozyumu, Invited Speaker, İzmir, Turkey, 2015
Geleceğe Dokunmak Sempozyumu, Invited Speaker, Batman, Turkey, 2015
3. Genetik ve Biyomühendislik Günleri, Invited Speaker, İstanbul, Turkey, 2015
İstanbul Üniversitesi, Onkoloji Enstitüsü, Invited Speaker, İstanbul, Turkey, 2014
1.Hematogenetik Kursu, Invited Speaker, Kayseri, Turkey, 2014
Uluslararası Genç Bilim İnsanları ve Uzmanları Bilimsel Konferansı, Invited Speaker, Azerbaijan, 2014
Ekonomik İşbirliği Teşkilatı, Sürdürülebilir Gelişme için Yaşam Bilimlerinde Güncel Eğilimler, Invited Speaker, Pakistan, 2014
GoldenHelix Farmakogenetik Günü, Invited Speaker, Bosnia And Herzegovina, 2014
22. Ulusal Biyoloji Kongresi, Invited Speaker, Eskişehir, Turkey, 2014
4. Uluslararası Genç Bilim İnsanları Konferansı ve Küresel Genç Akademi Senelik Genel Kurulu, Invited Speaker, Chile, 2014
İzmir Yüksek Teknoloji Enstitüsü, Biyogirişim Etkinliği, Invited Speaker, İzmir, Turkey, 2014
Cenevre Üniversitesi, Tıp Fakültesi, Invited Speaker, Switzerland, 2014
Karadeniz Teknik Üniversitesi, 9. Moleküler Biyoteknoloji Bahar Okulu, Invited Speaker, Trabzon, Turkey, 2014
Koç Üniversitesi, Invited Speaker, İstanbul, Turkey, 2014
IV. Hücresel Tedavi ve Rejenartif Tıp Kongresi, Invited Speaker, Nevşehir, Turkey, 2014
Deneysel Hematoloji Kongresi, Invited Speaker, Nevşehir, Turkey, 2014

67. Türk Jeoloji Kurultayı, Invited Speaker, Ankara, Turkey, 2014
Ege Hematoloji Onkoloji Sempozyumu, Invited Speaker, İzmir, Turkey, 2014
II. Laboratuvar Güvenliği ve Kullanımı Kursu, Invited Speaker, İzmir, Turkey, 2014
5. Multidisipliner Kanser Araştırma Kongresi, Invited Speaker, Muğla, Turkey, 2014
Türkiye Bilimsel ve Teknolojik Araştırma Kurumu, Invited Speaker, Ankara, Turkey, 2014
5. Ulusal Onkolojik Araştırmalar Kursları ve Çalıştayı, Attendee, Antalya, Turkey, 2009
4. TÜBA Kök Hücre Çalıştayı, Türkiye Bilimler Akademisi, Attendee, Ankara, Turkey, 2009
Başkent Üniversitesi, Adana Araştırma ve Uygulama Hastanesi, Attendee, Adana, Turkey, 2009
Turk Biyokimya Derneği Toplantısı, Attendee, İzmir, Turkey, 2009
33.Ulusal Türk Hematoloji Kongresi, Attendee, Antalya, Turkey, 2007
Kocaeli Üniversitesi, Kök Hücre ve Gen Tedavileri Araştırma Merkezi, Attendee, Kocaeli, Turkey, 2007
32.Ulusal Türk Hematoloji Kongresi, Attendee, Antalya, Turkey, 2006

Scholarships

NATO-A2 Bursu, Kuzey Atlantik Savunma Paktı, NATO, 2005 - Continues
Yurtiçi Master ve Doktora süresince Araştırma Görevliliği Bursu, YOK, 2001 - Continues

Awards

BARAN Y., En İyi Bildiri Ödülü, II. Uluslararası Katılımlı Deneysel Hematoloji Kongresi, April 2015
BARAN Y., Genç Araştırmacı Proje Destek Ödülü, Özel Güven Hastanesi, 7. Ahmet Küçükkel Tıp Ödülleri, March 2015
BARAN Y., FABED Eser Tümen Üstün Başarı Ödülü, Fevzi Akkaya Bilimsel Etkinlikleri Destekleme (FABED) Fonu, December 2014
BARAN Y., En İyi Poster Bildiri Ödülü, 9. Ulusal Çocuk Alerji ve Astım Kongresi, October 2014
BARAN Y., En İyi Çalışma Ödülü, 6.Ulusal Çocuk Solunum Yolu Hastalıkları ve Kistik Fibrozis Kongresi, September 2014
BARAN Y., Seyahat Ödülü, 19. Avrupa Hematoloji Derneği Kongresi, June 2014
BARAN Y., Yılın Üstün Başarılı Genç Bilim İnsanı Ödülü, Bilim Kahramanları Derneği, May 2014
BARAN Y., Üstün Hizmet Ödülü, Deneysel Hematoloji Kongresi, April 2014
BARAN Y., Mansiyon Ödülü, Deneysel Hematoloji Kongresi, April 2014
BARAN Y., Deneysel Hematoloji Ödülü, Deneysel Hematoloji Kongresi, April 2014
BARAN Y., II. En İyi Sözlü Bildiri Ödülü, I. Uluslararası Kök Hücre ve Hücresel Tedaviler Derneği, March 2014
BARAN Y., En İyi Hipotez Ödülü, Uluslararası Kanser Nano-Tıp Sempozyumu, November 2013
BARAN Y., Deneysel Hematoloji Ödülü, Türk Hematoloji Derneği, October 2013
BARAN Y., Yılın En Fazla Yayın Yapan Bilim İnsanı Ödülü, İzmir Yüksek Teknoloji Enstitüsü, September 2013
BARAN Y., 2013 Yılın Genç Bilim İnsanı Ödülü, Dünya Ekonomik Forumu, September 2013
BARAN Y., Bilimsel Önderlik Alanında Türkiye'nin En Başarılı İnsanı, Uluslararası Genç Liderler ve Girişimciler Derneği, August 2013
BARAN Y., Küresel Genç Akademi Üyeliği, Küresel Genç Akademi, August 2013
BARAN Y., Seyahat Ödülü, Avrupa Hematoloji Derneği, June 2013
BARAN Y., Birincilik Ödülü, II.Uluslararası Gıda Ar-Ge Proje Pazarı, May 2013
BARAN Y., En İyi Çalışma Ödülü, Türk Pediatrik Hematoloji Derneği, March 2013
BARAN Y., Türk Kan Bilimi Ağı Ödülü, Türk Hematoloji Derneği, October 2012
BARAN Y., Yılın Kanser Araştırmacısı Ödülü, Moleküler Kanser Araştırma Derneği, September 2012
BARAN Y., Yılın En Fazla Yayın Yapan Bilim İnsanı Ödülü, İzmir Yüksek Teknoloji Enstitüsü, September 2012
BARAN Y., Seyahat Ödülü, Avrupa Hematoloji Derneği, June 2012
BARAN Y., Fen Bilimleri Bilim Teşvik Ödülü, Kocaeli Üniversitesi, March 2012
BARAN Y., Deneysel Hematoloji Ödülü, Türk Hematoloji Derneği, October 2011
BARAN Y., Genç Katılımcı Ödülü, Türk Hematoloji Derneği, October 2011

BARAN Y., Yılım En Fazla Yayın Yapan Bilim İnsanı Ödülü, İzmir Yüksek Teknoloji Enstitüsü, September 2011
BARAN Y., Seyahat Ödülü, Avrupa Hematoloji Derneği, June 2011
BARAN Y., Süreyya Tahsin Aygün En İyi Poster Ödülü, Rejeneratif Tıp ve Hücre Tedavi Derneği, March 2011
BARAN Y., En İyi Poster Ödülü, 1. Uluslararası Kök Hücre Araştırmaları ve Uygulamaları Kongresi, March 2011
BARAN Y., Yılım Üstün Başarılı Genç Bilim İnsanı Ödülü, Türkiye Bilimler Akademisi, September 2010
BARAN Y., Moleküler Kanser Araştırma Derneği Özel Ödülü, Moleküler Kanser Araştırma Derneği, September 2010
BARAN Y., Seyahat Ödülü, Avrupa Hematoloji Derneği, June 2010
BARAN Y., Kongre Katılım Ödülü, Avrupa Kanser Araştırma Derneği, May 2010
BARAN Y., Temel İmmünoloji Poster Birincilik Ödülü, Türkiye Ulusal Alerji ve Klinik İmmünoloji Derneği, March 2010
BARAN Y., Bildiri Yarışması, Deneysel Kategori, İkincilik Ödülü, Türk Plastik, Rekonstrüktif ve Estetik Cerrahi Derneği, March 2010
BARAN Y., Deneysel Hematoloji Ödülü, Türk Hematoloji Derneği, October 2009
BARAN Y., Genç Katılımcı Ödülü, Türk Hematoloji Derneği, October 2009
BARAN Y., Seyahat Ödülü, Avrupa Hematoloji Derneği, June 2009
BARAN Y., Deneysel Hematoloji Ödülü, Türk Onkoloji Grubu Derneği, April 2009
BARAN Y., Bilim Ödülü, Gönüllü Eğitimciler Derneği, March 2008
BARAN Y., Kariyer Projesi, TÜBİTAK, March 2008
BARAN Y., Genç Katılımcı Ödülü, Türk Hematoloji Derneği, October 2007
BARAN Y., Yılım Tezi Ödülü, Orta Doğu Teknik Üniversitesi, July 2007
BARAN Y., Novartis Onkoloji Endüstri Ödülü, Türk Hematoloji Derneği, October 2006
BARAN Y., Genç Katılımcı Ödülü, Türk Hematoloji Derneği, October 2006
BARAN Y., Seyahat Ödülü, Avrupa Hematoloji Derneği, June 2006

Non Academic Experience

Non-profit Organisation, Küresel Genç Akademi
Other Public Institution, Tübitak
Other, Türkiye Bilimler Akademisi
Other, Dünya Ekonomik Forumu
Other, Deneysel Hematoloji Derneği
Other, Küresel Genç Akademi
Other, Türk Hematoloji Derneği
Other, Tübitak
Other, Sağlık Bakanlığı, İzmir Kanser İzlem Ve Denetim Merkezi
Other, Türkiye Bilimler Akademisi
Other, İnöviz Girişimi (Ege İçin Sağlık)
Other, Ege Teknoloji Geliştirme Bölgesi
Other, Adapazarı Fen Lisesi