

Res. Asst. PhD BERKCAN DOĞAN

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-5249-2020

ScopusID: 57203989031

Yoksis Researcher ID: 304274

Education Information

Doctorate, Bursa Uludağ University, Sağlık Bilimleri Enstitüsü, Sağlık Bilimleri Enstitüsü, Turkey 2020 - 2024

Doctorate, Istanbul University, Institute Of Graduate Studies In Sciences, Fen Fakültesi Bölümü, Turkey 2019 - 2020

Postgraduate, Istanbul University, Institute Of Graduate Studies In Sciences, Moleküler Biyoloji Ve Genetik (YI) (Tezli), Turkey 2015 - 2018

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2010 - 2015

Foreign Languages

Italian, A1 Beginner

English, C2 Mastery

Certificates, Courses and Trainings

Health&Medicine, The Epitranscriptome Workshop, The European Molecular Biology Organization (EMBO) , 2022

Other, EMBO | EMBL Symposium: The Non-Coding Genome, European Molecular Biology Organization (EMBO), 2021

Data Analysis, Introduction to AI, Global AI Hub, 2021

Health&Medicine, Power Analysis in Health Sciences with GPower, Araştırma Yöntemleri Eğitim ve Uygulama Merkezi (AYEUM), 2021

Health&Medicine, Cancer Metabolism, The European Association for Cancer Research (EACR), 2020

Health&Medicine, EACR Virtual Congress , The European Association for Cancer Research (EACR), 2020

Health&Medicine, Bioinformatics for Cancer Research, The European Association for Cancer Research (EACR) , 2020

Health&Medicine, Erasmus Internship Programme, University of Trento-Centre for Integrative Biology (CIBio), Trento, Italy, 2013

Foreign Language, Foreign Language Education, Celtic School (Cardiff, Galler, UK), 2013

Dissertations

Postgraduate, Selection of Biomarker from Candidate MiRNAs for Early Detection of Ovarian Cancer, Istanbul University,

Research Areas

Medical Biology, Medical Genetics, Biological Information, Biological Databases, Genetic Disorders, Genomics, Molecular Biology of Cancer

Academic Titles / Tasks

Research Assistant, Bursa Uludağ University, TIP FAKÜLTESİ, DAHİLİ TIP BİLİMLERİ, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Metabolic pathways of potential miRNA biomarkers derived from liquid biopsy in epithelial ovarian cancer**
GÜMÜŞOĞLU ACAR E., GÜNEL T., Hosseini M. K., DOĞAN B., Tekarslan E. E., Gurdamar B., Cevik N., Sezerman U., TOPUZ S., Aydinli K.
ONCOLOGY LETTERS, vol.25, no.4, 2023 (SCI-Expanded)
- II. **Germline landscape of BRCA by 7-site collaborations as a BRCA consortium in Turkey.**
Bisgin A., Sag S. O., Dogan M. E., Yildirim M. S., Gumus A. A., Akkus N., Balasar O., Durmaz C. D., Ersoz R., Altiner S., et al.
Breast (Edinburgh, Scotland), vol.65, no.-, pp.15-22, 2022 (SCI-Expanded)
- III. **Clinical and molecular evaluation of MEFV gene variants in the Turkish population: a study by the National Genetics Consortium.**
Dundar M., Fahrioglu U., Yildiz S. H., Bakir-Gungor B., Temel Ş. G., Akin H., Artan S., Cora T., Sahin F. I., Dursun A., et al.
Functional & integrative genomics, vol.22, no.3, pp.291-315, 2022 (SCI-Expanded)
- IV. **BRCA Variations Risk Assessment in Breast Cancers Using Different Artificial Intelligence Models**
Senturk N., Tuncel G., Dogan B., Aliyeva L., Dundar M. S., Ozemri Sag S., Mocan G., Temel S. G., Dundar M., Ergoren M. C.
GENES, vol.12, no.11, 2021 (SCI-Expanded)
- V. **In silico identification of putative roles of food-derived xeno-mirs on diet-associated cancer**
Pirim D., Doğan B.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.72, 2020 (SCI-Expanded)
- VI. **Hsa-miR-584-5p as a novel candidate biomarker in Turkish men with severe coronary artery disease**
Coban N., Pirim D., Erkan A. F., Doğan B., Ekici B.
MOLECULAR BIOLOGY REPORTS, vol.47, pp.1361-1369, 2020 (SCI-Expanded)
- VII. **Regulation of HMGA2 and KRAS genes in epithelial ovarian cancer by miRNA hsa-let-7d-3p**
Gunel T. G., Dogan B., Gümüsoğlu E., Hosseini M. K., Topuz S., Aydinli K.
Journal of Cancer Research and Therapeutics, vol.15, pp.1321-1327, 2019 (SCI-Expanded)
- VIII. **Potential biomarker of circulating hsa-miR-1273g-3p level for detection of recurrent epithelial ovarian cancer**
Günel T., Gümüsoğlu E., Dogan B., Ertem F. B., Hosseini M. K., Cevik N., Senol T., Topuz S., Aydinli K.
Archives of Gynecology and Obstetrics, vol.298, pp.1173-1180, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **THE EXPRESSION ANALYSIS OF SPECIFIC GENES IN OVARIAN CANCER**
Doğan B.
Doğu Karadeniz Sağlık Bilimleri Dergisi, vol.2, pp.136-143, 2023 (Peer-Reviewed Journal)
- II. **A Multicenter Study of Genotype Variation/Demographic Patterns in 2475 Individuals Including 1444 Cases With Breast Cancer in Turkey.**
Boga I., Ozemri Sag S., Duman N., Ozdemir S. Y., Ergoren M. C., Dalci K., Mujde C., Parsak C. K., Rencuzogullari C., Sonmezler O., et al.
European journal of breast health, vol.19, no.3, pp.235-252, 2023 (ESCI)
- III. **Different perspectives on translational genomics in personalized medicine**
DOĞAN B., GÖKSEVER ÇELİK H., KÜÇÜKKAYA R., GÜMÜŞOĞLU ACAR E., GÜNEL T.
JOURNAL OF THE TURKISH GERMAN GYNECOLOGY ASSOCIATION, vol.23, no.4, pp.314-321, 2022 (ESCI)
- IV. **Integrated bioinformatics analysis of validated and circulating miRNAs in ovarian cancer**
DOĞAN B., GÜMÜŞOĞLU ACAR E., Ulgen E., SEZERMAN O. U., GÜNEL T.
Genomics and Informatics, vol.20, no.2, 2022 (Scopus)
- V. **Multipl Miyelomda Glukoz, Glutamin ve Lipit Metabolizmasını Hedef Alan Tedavi Yaklaşımları**
Doğan B., Özal Coşkun C., Diz Küçükkaya R., Kaptan E.
Lösemi Lenfoma Miyelom Hastaları ve Araştırma Eğitimi Birliği Dergisi, vol.3, no.2, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Kök Hücreler**
Doğan B., Pirim D.
in: Hücre Biyolojisi, Mehmet Karataş, Editor, Nobel Yayınevi, Ankara, pp.395-421, 2022
- II. **Klinik Araştırmalarda MiRNA Keşfi ve Güncel In Silico Yaklaşımlar**
DOĞAN B., AYAR B., PİRİM D.
in: Güncel Tıbbi Biyoloji ve Genetik Çalışmaları-Bölüm 1: Klinik Araştırmalarda MiRNA Keşfi ve Güncel In Silico Yaklaşımlar, H. Ümit LÜLEYA, Editor, Akademisyen Kitapevi, pp.1-20, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **Metastatik Kolorektal Kanserde Dolaşımdaki Tümör Hücreleri Durumu ile İlişkili miRNA Profillerinin Belirlenmesi**
DOĞAN B., PİRİM D., BAĞCI F. A., IŞIK Ö., EVRENSEL T.
IX. Multidisipliner Kanser Araştırma Kongresi, Tunceli, Turkey, 2 - 03 May 2024
- II. **Detection of actionable variants using liquid biopsy samples for therapeutic approach**
DOĞAN B., KAYA N., NALBANT N., ALEMDAR A., ALİYEVA L., ÖZEMRİ SAĞ Ş., TEMEL Ş. G.
American Society of Human Genetics, Washington, Kiribati, 01 November 2023
- III. **Evaluation of Circulating Tumor Cell (CTC) Specific Markers and CTC Status in Metastatic Colorectal Cancer Patients by Immunomagnetic Cell-Selection Method**
DOĞAN B., PİRİM D., IŞIK Ö., EVRENSEL T.
3rd International Multidisciplinary Cancer Research Congress, İstanbul, Turkey, 07 September 2023, pp.95-96
- IV. **The Expression Analysis of Specific Genes in Ovarian Cancer**
GÜMÜŞOĞLU ACAR E., DOĞAN B., BİLİR M. U., ŞENTÜRK KIRMIZITAŞ T., TOPUZ S., GÜNEL T.
3rd International Multidisciplinary Cancer Research Congress, İstanbul, Turkey, 07 September 2023
- V. **Assessing HSP70 and TCP1 status of circulating tumor cells in metastatic colorectal cancer patients**
PİRİM D., DOĞAN B., BAĞCI F. A., IŞIK Ö., EVRENSEL T.
IX. International Congress of Molecular Medicine, İstanbul, Turkey, 18 - 20 December 2023
- VI. **In Silico Investigation of Cancer Biomarkers Induced by Smoking-associated Salivary Microbiome Alteration**

DOĞAN B., Ayar B., PİRİM D.

Microbiome Interactions in Health and Disease, Cambridge, Canada, 24 - 26 October 2022

VII. Tools and Strategies for miRNAs' Targetome Prediction

DOĞAN B.

2nd International Multidisciplinary Cancer Research Congress, Giresun, Turkey, 21 July 2022

VIII. Bilgisayar-Tabanlı Bulanık Mantık Yöntemi Kullanılarak Brca-Negatif Kalıtsal eme Kanseri Klinik Ve Varyant Risk Değerlendirmesi

ŞENTÜRK N., VOLKAN P. G., TUNCEL DEREBOYLU G., DOĞAN B., ALİYEVA L., DÜNDAR M. S., ÖZEMRİ SAĞ Ş., MOCAN G., TEMEL Ş. G., DÜNDAR M., et al.

1. Ulusal HematoOnkogenetik Kongresi, Antalya, Turkey, 25 November 2021

IX. Germline landscape of BRCA by 7-site collaborations as a BRCA consortium in Turkey

Bişgin A., Özemri Sağ Ş., Doğan M. E., Yıldırım M. S., Aydın Gümüş A., Akkuş N., Balasar O., Durmaz C., Eröz R., Altınar Ş., et al.

Annual Meeting of American Association of Human Genetics 2021, California, United States Of America, 18 October 2021

X. MicroRNA-Modified Milk Investigation for Personalized Medicine

Doğan B.

The Festival of Genomics & Biodata, London, United Kingdom, 26 - 29 January 2021

XI. Functional Analysis of Validated Circulating MicroRNA-Based Signature for Prediction of Ovarian Cancer

DOĞAN B., GÜMÜŞOĞLU E., ÜLGEN E., SEZERMAN O. U., GÜNEL T.

8th Multidisciplinary Cancer Research Congress, Bursa, Turkey, 15 - 17 January 2021

XII. Identification of human microbiota-related key genes and molecular pathways in colorectal adenocarcinoma by integrative bioinformatics analysis

PİRİM D., DOĞAN B., ÖRNEK ERGÜZELOĞLU C., ALEMDAR A., TEMEL Ş. G.

2nd International Conference on Preventive Medicine, Turkey, 25 - 28 November 2020, vol.1, pp.37-38

XIII. Developing fuzzy logic tool for diagnosis of BRCA1 and BRCA2 negative hereditary breast cancer

ERGÖREN M. Ç., VOLKAN P. G., ŞENTÜRK N., TUNCEL DEREBOYLU G., DÜNDAR M., KENANOĞLU S., DOĞAN B., ÖZEMRİ SAĞ Ş., MOCAN G., TEMEL Ş. G.

American Society of Human Genetics, Washington, Kiribati, 27 October 2020

XIV. In Silico Approach to Melanoma and Long Non-Coding RNAs

Doğan B., Özemri Sağ Ş., Temel Ş. G.

1st Bursa International Genetics Days: Dermatogenetics Symposium, Bursa, Turkey, 9 - 11 January 2020, vol.31, pp.72-73

XV. Developing evidence based computerized diagnostic tools for breast cancer early prediction

Şentürk N., Tuncel G., Köseoğlu S., Doğan B., Özemri Sağ Ş., Mocan G., Temel Ş. G., DüNDAR M., Ergören M. Ç.

V. Uluslararası Katılımlı Erciyes Tıp Genetik Günleri Kongresi, Turkey, 20 - 22 February 2020

XVI. Hsa-miR-584-5p as a novel candidate biomarker in Turkish men with coronary artery disease

Çoban N., Pirim D., Doğan B., Erkan A. F., Ekici B.

35th Turkish Cardiology Congress with International Participation, Antalya, Turkey, 3 - 06 October 2019, vol.22, pp.55

XVII. Epitelyal Over Kanserinde Dolaşım ve Tümör Kaynaklı mikroRNA'ların Anlatım Analizi ile Aday Biyobelirteçlerin Tayini

Gümüšoğlu E., Günel T., Hosseini M. K., Doğan B., Tekarslan E. E., Çevik N., Şenol T., Topuz S., Aydın K.

TÜSEB VI. Türk Tıp Dünyası Kurultayı, İstanbul, Turkey, 29 - 31 October 2019

XVIII. Determination of MiRNAs and Xeno-miRs Targeting Most of the Genes Associated with Colorectal Neoplasms and Central Obesity by "in silico" Analysis

Doğan B.

1st INTERNATIONAL MULTIDISCIPLINARYCANCER RESEARCH CONGRESS, Diyarbakır, Turkey, 18 - 22 September 2019

XIX. Identification of BRCA1/2 Variants via Next Generation Sequencing for Therapeutic Approach

Özemri Sağ Ş., Kaya N., Alyeva 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

XX. Potential biomarker of circulating hsa-miR-1273g-3p level for detection of recurrent epithelial ovarian cancer.

Günel T., Gümüşoğlu E., Doğan B., Ertem F. B., Hosseini M. K., Çevik N., Şenol T., Topuz S., Aydın K.

MOKAD-7th Multidisciplinary Cancer Research 1st Basic Oncology Congress, İzmir, Turkey, 11 - 14 October 2018

XXI. Investigation of candidate miRNAs in epithelial ovarian cancer patients' serum and tumor tissues.

Gümüşoğlu E., Günel T., Hosseini M. K., Doğan B., Tekarslan E. E., Çevik N., Şenol T., Topuz S., Aydın K.

MOKAD-7th Multidisciplinary Cancer Research 1st Basic Oncology Congress, İzmir, Turkey, 11 - 14 October 2018

XXII. Selection of biomarker from candidate miRNAs for early detection of ovarian cancer

Doğan B., Günel T., Gümüşoğlu E., Hosseini M. K., Çevik N., Şenol T., Topuz S., Aydın K.

1st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation (ISGRS 2018), İstanbul, Turkey, 4 - 06 October 2018

Supported Projects

PİRİM D., DOĞAN B., EVRENSEL T., IŞIK Ö., NİŞ H. F., Project Supported by Higher Education Institutions, Metastatik Kolorektal Kanserde Dolaşımdaki Tümör Hücreleri Durumuyla İlişkili Aday Biyobelirteçlerin Araştırılması, 2021 - Continues

PİRİM D., DOĞAN B., IŞIK Ö., EVRENSEL T., Project Supported by Higher Education Institutions, Metastatik Kolorektal Kanser Spesifik Dolaşımdaki Tümör Hücrelerinde Moleküler Şaperon Yolağındaki Genlerin Ekspresyon Durumunun Araştırılması Retrospektif Çalışma, 2023 - 2023

Pirim D., DOĞAN B., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), BİREYSEL VE DÖNÜŞÜMSEL TIP ALANI UYGULAMALI İŞBİRLİĞİ PROJESİ, 2020 - 2021

Doğan B., Günel T., Project Supported by Higher Education Institutions, "Over kanserinde HMGA2 geninin miRNA hsa-let-7d-3p tarafından düzenlenmesi", 2017 - 2019

Doğan B., Günel T., Project Supported by Higher Education Institutions, "Over Kanserinin Erken Tanısı için Aday miRNA'lardan Biyomarkır Seçimi", 2017 - 2018

Activities in Scientific Journals

International Journal of Genetics and Genomics, Committee Member, 2021 - Continues

Memberships / Tasks in Scientific Organizations

The International Society of Liquid Biopsy (ISLB), Member, 2021 - Continues, Spain

Genç Akademisyenler Birliği, Member, 2021 - Continues, Turkey

Tıbbi Biyoloji ve Genetik Derneği, Member, 2020 - Continues, Turkey

Molecular Cancer Research Association, Board Member, 2020 - Continues, Turkey

EACR (European Association for Cancer Research), Member, 2019 - Continues, United Kingdom

Tıbbi Genetik Derneği, Member, 2018 - Continues, Turkey

Temel Onkoloji Derneği, Member, 2018 - Continues, Turkey

Scientific Refereeing

Project Supported by Defense Industry, T.C. Sanayi ve Teknoloji Bakanlığı, Turkey, June 2021

Metrics

Publication: 38
Citation (WoS): 59
Citation (Scopus): 68
H-Index (WoS): 4
H-Index (Scopus): 4

Scholarships

Erasmus Staff Education Program, University, 2023 - 2023
Registration bursary, Other International Organizations, 2022 - 2022
Registration Grant, Official Institutions of Foreign Countries, 2021 - 2021
YOK, 2018 - 2019
European Union Lifelong Learning Programme (Erasmus Placement Programme), University, 2013 - 2014

Awards

Dođan B., TEKNOFEST BİYOTEKNOLOJİ İNOVASYON YARIŞMASI FİKİR KATEGORİSİ, T.C. Sanayi Ve Teknoloji Bakanlığı Ve Türkiye Teknoloji Takımı, April 2023
Dođan B., Young Scientist, Front Line Genomics, January 2021
Dođan B., Özemri Sağ Ş., Temel Ş. G., En İyi 2. Poster Ödülü , 1. Bursa Uluslararası Katılımlı Genetik Günleri Dermatogenetik Sempozyumu, January 2020
Dođan B., Young Researcher Award, Moleküler Kanser Araştırma Derneđi, September 2019

Non Academic Experience

QIAGEN, GmbH
İONTEK İlaç Tanı Biyoteknoloji Ürünleri Araştırma Geliştirme San. ve Tic. A. Ş