

## Res. Asst. BERKCAN DOĞAN

### Personal Information

**Office Phone:** [+90 224 295 4398](tel:+902242954398)

**Email:** [berkcandogan@uludag.edu.tr](mailto:berkcandogan@uludag.edu.tr)

**Web:** [https://www.researchgate.net/profile/Berkcan\\_Dogan](https://www.researchgate.net/profile/Berkcan_Dogan)

**Address:** Bursa Uludağ Üniversitesi Tıp Fakültesi Tıbbi Genetik Anabilim Dalı, Görükle Nilüfer, BURSA

### Education Information

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

Doctorate, Istanbul University, Faculty Of Science, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2018 - 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

English, C2 Mastery

Italian, A1 Beginner

### Certificates, Courses and Trainings

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, Institute Of Graduate Studies In Sciences, Fen Fakültesi Bölümü, 2018

### 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, Tıp Fakültesi, Dahili Tıp Bilimleri, 2019 - Continues

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

- I. **Germline landscape of BRCAs by 7-site collaborations as a BRCA consortium in Turkey"**  
Bişgin A., Özemri Sağ Ş., Doğan M. E. , Yildirim M. S. , Aydin Gumus A., Akkus N., Balasar O., Durmaz C. D. , Ersoz R., Altiner S., et al.  
BREAST, vol.65, no.-, pp.15-22, 2022 (Journal Indexed in SCI Expanded)
- II. **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, 2022 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **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 (Other Refereed National Journals)

## Books & Book Chapters

- I. **MiRNA Discovery and Current In Silico Approaches in Clinical Research**  
Doğan B., Ayar B., Pirim D.  
in: Current Medical Biology and Genetic Studies, H. Ümit LÜLEYA, Editor, Akademisyen Kitabevi, İstanbul, pp.1-21, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **Germline landscape of BRCA by 7-site collaborations as a BRCA consortium in Turkey**  
BİŞGİN A., ÖZEMRİ SAĞ Ş., DOĞAN M. E. , YILDIRIM M. S. , AYDIN GÜMÜŞ A., AKKUŞ N., BALASAR O., DURMAZ C., ERÖZ R., ALTINER Ş., et al.  
Annual Meeting of American Association of Human Genetics 2021, United States Of America, 18 October 2021
- II. **MicroRNA-Modified Milk Investigation for Personalized Medicine**  
Doğan B.  
The Festival of Genomics & Biodata, London, United Kingdom, 26 - 29 January 2021
- III. **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
- IV. **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
- V. **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
- VI. **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
- VII. **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
- VIII. **Epitelyal Over Kanserinde Dolaşım ve Tümör Kaynaklı mikroRNA'ların Anlatım Analizi ile Aday Biyobelirteçlerin Tayini**  
Gümüsoğlu 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
- IX. **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
- X. **Identification of BRCA1/2 Variants via Next Generation Sequencing for Therapeutic Approach**  
Özemri Sağ Ş., Kaya N., Aliyeva 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
- XI. **Potential biomarker of circulating hsa-miR-1273g-3p level for detection of recurrent epithelial ovarian cancer.**  
Günel T., Gümüsoğlu 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
- XII. **Investigation of candidate miRNAs in epithelial ovarian cancer patients' serum and tumor tissues.**  
Gümüsoğlu 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
- XIII. **Selection of biomarker from candidate miRNAs for early detection of ovarian cancer**  
Doğan B., Günel T., Gümüsoğlu 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

Pirim D., DOĞAN B., Turkey Institutes of Health Administration Project, BİREYSEL VE DÖNÜŞÜMSSEL 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 Biyomarker Seçimi", 2017 - 2018

## 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

## Citations

Total Citations (WOS):26

h-index (WOS):3

## Scholarships

Registration Grant, Official Institutions of Foreign Countries, 2021 - 2021

YOK, 2018 - 2019

European Union Lifelong Learning Programme (Erasmus Placement Programme), University, 2013 - 2014

## Awards

Doğan B., Young Scientist, Front Line Genomics, January 2021

Doğan B., Özemri Sağ Ş., Temel Ş. G. , En İyi 2. Poster Ödülü , 1. Bursa Uluslararası Katılımlı Genetik Günleri

Dermatogenetik Sempozyumu, January 2020

Doğan B., Young Researcher Award, Moleküler Kansere Araştırma Derneği, September 2019