

## Lect. PhD FATMA GİZEM SONUGÜR

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Tümör Biyolojisi (Dr), Turkey 2018 - 2023

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Tümör Biyolojisi (YI) (Tezli), Turkey 2015 - 2017

Undergraduate, Ege University, Faculty Of Engineering, Biyomühendislik Bölümü, Turkey 2009 - 2014

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Kanser kök hücre hedefli gen tedavisi aracılı immünoterapi yöntemleri geliştirilmesi, Ankara University, Sağlık Bilimleri Enstitüsü, 2023

Postgraduate, Metronomik kemoterapinin endotel hücre fonksiyonları üzerindeki etkisi, Ankara University, Sağlık Bilimleri Enstitüsü, Tumor Biology, 2017

### Research Areas

Oncology

### Academic Titles / Tasks

Lecturer, Ankara University, Kanser Araştırma Enstitüsü, Temel Onkoloji Anabilim Dalı, 2020 - Continues

Research Assistant, Ankara University, Kanser Araştırma Enstitüsü, Temel Onkoloji Anabilim Dalı, 2019 - 2020

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **AGK2, a SIRT2 inhibitor, ameliorates D-galactose-induced liver fibrosis by inhibiting fibrogenic factors.**  
BAHAR A. N., Keskin-Aktan A., Akarca-Dizakar S. Ö., Sonugür G., AKBULUT K. G.  
Journal of biochemical and molecular toxicology, vol.38, no.11, 2024 (SCI-Expanded)
- II. **The effects of anti-PD-L1 monoclonal antibody on the expression of angiogenesis and invasion-related genes**  
BABAHAN C., Abdi Abgarmi S., SONUGÜR F. G., Öçal M., AKBULUT H.  
TURKISH JOURNAL OF BIOLOGY, vol.47, no.4, pp.262-275, 2023 (SCI-Expanded)
- III. **Incubation Temperature and Period During Denarase Treatment and Microfiltration Affect the Yield of Recombinant Adenoviral Vectors During Downstream Processing**  
Sonugür F. G., Babahan C., Abdi Abgarmi S., Akbulut H.  
MOLECULAR BIOTECHNOLOGY, vol.65, no.7, pp.1129-1139, 2023 (SCI-Expanded)
- IV. **Protective Effect of Pharmacological SIRT2 Inhibition on Renal Dysfunction, Fibrosis, TGF- $\beta$ 1/ $\beta$ -Catenin, and Klotho Signaling in D-Galactose-Induced Aging Model**  
Keskin-Aktan A., BAHAR A. N., SONUGÜR F. G., Akarca-Dizakar S. O., AKBULUT K. G.  
JOURNAL OF BIOLOGICAL REGULATORS AND HOMEOSTATIC AGENTS, no.11, pp.6061-6072, 2023 (SCI-Expanded)
- V. **The Role of Tumor Microenvironment in Genomic Instability of Malignant Tumors**  
SONUGÜR F. G., AKBULUT H.  
FRONTIERS IN GENETICS, vol.10, 2019 (SCI-Expanded)
- VI. **The trough levels of bevacizumab significantly affect the outcome of the treatment in patients with metastatic colorectal cancer: A Turkish Oncology Group study.**  
AKBULUT H., Ocal M., Sonugur F. G., Abgarmi S. A., BABAHAN C., Akay B., Arslan U. Y., Artac M., Sendur M. A. N., Demirkazik A.  
JOURNAL OF CLINICAL ONCOLOGY, vol.36, no.15, 2018 (SCI-Expanded)
- VII. **The effects of melatonin and curcumin on the expression of SIRT2, Bcl-2 and Bax in the hippocampus of adult rats**  
Keskin-Aktan A., Akbulut K. G., Yazici-Mutlu C., Sonugür F. G., Ocal M., Akbulut H.  
BRAIN RESEARCH BULLETIN, pp.306-310, 2018 (SCI-Expanded)
- VIII. **The role of immune system on the efficacy of bevacizumab in patients with metastatic colorectal cancer (mCRC)**  
AKBULUT H., Ocal M., Sonugur G., AKAY B. N., BABAHAN C., Abgarmi S. A., DEMİRKAZIK A., Icli F.  
ANNALS OF ONCOLOGY, vol.27, 2016 (SCI-Expanded)
- IX. **A novel fluorescence turn-on coumarin-pyrazolone based monomethine probe for biothiol detection**  
Babur B., SEFEROĞLU N., Ocal M., SONUGÜR F. G., AKBULUT H., SEFEROĞLU Z.  
TETRAHEDRON, no.30, pp.4498-4502, 2016 (SCI-Expanded)

## Books & Book Chapters

- I. **Kanser Biyolojisi**  
Babahan C., Sonugür F. G., Akbulut H.  
in: İç Hastalıkları, İliçin Gürler, Biberoglu Kadir, Süleymanlar Gültekin, Ünal Serhat, Editor, Güneş Tıp Kitabevi, Ankara, pp.1659-1670, 2024
- II. **Viral Vektör Aşıları**  
Sonugür F. G., Babahan C., Akbulut H.  
in: Aşı Çalışmaları ve Teknolojisi, Mert Döşkaya, Adnan Yüksel Gürüz, Ayşe Gülten Kantarcı, Cemal Ün, Editor, Nobel Tıp Kitabevi, Ankara, pp.355-382, 2023
- III. **Cancer Gene Therapy**  
SONUGÜR F. G.  
in: Gene Therapy Principles and Challenges, Hashad Doaa, Editor, IntechOpen, Londrina, pp.1-36, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Kanser tedavisinde kullanılmak üzere anti\_CD47 scFv gen tedavi vektörleri geliştirilmesi**  
SONUGÜR F. G., Korgan E., BABAHAN C., AKBULUT H.  
9. Karadeniz Onkoloji Günleri, Trabzon, Turkey, 17 - 19 October 2024
- II. **Replication Defective Adenoviral Vectors do not induce Apoptosis and Autophagy in endothelial cells**  
Korgan E., BABAHAN C., SONUGÜR F. G., Abdi Abgarmi S., AKBULUT H.  
BIO Türkiye Uluslararası Biyoteknoloji Kongresi, İstanbul, Turkey, 28 September 2023
- III. **Replication Defective Adenoviral Vectors Decreases the Immunosuppressive Cytokine Expression in Tumor Cells**  
Zengin İ., SONUGÜR F. G., BABAHAN C., Abdi Abgarmi S., AKBULUT H.  
BIO Türkiye Uluslararası Biyoteknoloji Kongresi, İstanbul, Turkey, 28 September 2023
- IV. **Low-Dose Chemotherapy Inhibits Proangiogenic Factors in Endothelial and Cancer Cells**  
SONUGÜR F. G., BABAHAN C., AKBULUT H.  
BIO Türkiye Uluslararası Biyoteknoloji Kongresi, İstanbul, Turkey, 28 - 30 September 2023
- V. **Purification Optimization Of A Recombinant Single-Chain Variable Fragment (ScFv) Antibody**  
BABAHAN C., SONUGÜR F. G., KARAGÖZ Z., YILMAZ E., AKBULUT H.  
BIO Türkiye, İstanbul, Turkey, 28 - 30 September 2023
- VI. **Effect of SIRT2 Inhibition on Developing Fibrosis in D-Galactose Induced Aging Model**  
BAHAR A. N., KESKİN AKTAN A., SONUGÜR F. G., AKARCA DİZAKAR S. Ö., AKBULUT K. G.  
47th Turkish Physiology Congress, Antalya, Turkey, 05 January 2023, pp.22
- VII. **DOWNSTREAM PROSES SÜRECİNDE İNKÜBASYON SICAKLIĞI VE MİKROFİLTASYON MEMBRANI SEÇİMİNİN REKOMBİNANT ADENOVİRAL VEKTÖR VERİMİNE ETKİSİ**  
SONUGÜR F. G., BABAHAN C., Abdi Abgarmi S., AKBULUT H.  
4. Uluslararası Aşı Bilimi Kongresi, Ankara, Turkey, 03 November 2022, vol.1, pp.1
- VIII. **The Effect of PD-L1 Expression on Angiogenesis and Invasion in Tumor Cells**  
BABAHAN C., Abdi Abgarmi S., SONUGÜR F. G., AKBULUT H.  
Immuno-Oncology 2019, Barselona, Spain, 23 May 2019, pp.6-7
- IX. **Anti-Angiogenic Treatment Suppresses the Immunosuppressive Cytokine Production in Tumor Cells**  
Abdi Abgarmi S., BABAHAN C., SONUGÜR F. G., AKBULUT H.  
Immuno-Oncology 2019, Barselona, Spain, 23 May 2019
- X. **The trough levels of bevacizumab significantly affect the outcome of the treatment in patients with metastatic colorectal cancer: A Turkish Oncology Group study.**  
AKBULUT H., Öçal M., Sonugür F. G., Babahan C., Abdi Abgarmi S.  
ASCO 2018, 1 - 04 June 2018
- XI. **The effects of very low doses of chemotherapeutic drugs on endothelial cells.**  
Sonugur F. G., Ocal M., BABAHAN C., Abgarmi S. A., Icli F., AKBULUT H.  
Annual Meeting of the American-Society-of-Clinical-Oncology (ASCO), Illinois, United States Of America, 2 - 06 June 2017, vol.35
- XII. **Effect of very low doses of chemotherapeutic drugs on proangiogenic factors in tumor cells.**  
Ocal M., Sonugur F. G., BABAHAN C., Abgarmi S. A., Icli F., AKBULUT H.  
Annual Meeting of the American-Society-of-Clinical-Oncology (ASCO), Illinois, United States Of America, 2 - 06 June 2017, vol.35
- XIII. **Metronomik Kemoterapinin Tümör Hücrelerinde Anjiyogenik Faktör Sentezi Üzerindeki Etkileri**  
ÖÇAL DEMİRTAŞ M., SONUGÜR F. G., BABAHAN C., Abdi Abgarmi S., AKBULUT H.  
22. Ulusal Kanser Kongresi, Antalya, Turkey, 17 - 23 April 2017
- XIV. **Metronomik Kemoterapinin Endotel Hücre Fonksiyonları Üzerindeki Etkisi**  
SONUGÜR F. G., BABAHAN C., Abdi Abgarmi S., AKBULUT H.  
22. Ulusal Kanser Kongresi, Antalya, Turkey, 19 - 23 April 2017
- XV. **The role of immune system on the efficacy of bevacizumab in patients with metastatic colorectal cancer mCRC**

AKBULUT H., Öcal M., Sonugür G., AKAY B., Bahahan C., Abgarmi S. A., DEMİRKAZIK A., İÇLİ F.  
ESMO Congress, 7 - 11 October 2016

## Supported Projects

Sonugür F. G., TUBITAK Project, Virus-Based Prototype Coronavirus Vaccine Production Project, 2020 - 2023  
Akbulut H., Sonugür F. G., Project Supported by Other Official Institutions, Development of Cancer Stem Cell Targeted Gene Therapy Mediated Immunotherapy Methods, 2019 - 2022  
Savaş B., Akbulut H., TUBITAK Project, Kanser Tedavisinde Immün Denetim Noktalarını Hedefleyen Adenoviral Gen Tedavisi Vektörleri Geliştirilmesi, 2017 - 2022

## Metrics

Publication: 27  
Citation (WoS): 97  
Citation (Scopus): 56  
H-Index (WoS): 3  
H-Index (Scopus): 2