

# Prof. BANU PEYNİRCİOĞLU

## Personal Information

Office Phone: [+90 312 305 2541](tel:+903123052541)

Email: [bbalci@hacettepe.edu.tr](mailto:bbalci@hacettepe.edu.tr)

Web: <https://avesis.hacettepe.edu.tr/bbalci>

## Education Information

Doctorate, Hacettepe Üniversitesi, Tıp Fakültesi, Tıbbi Biyoloji, Turkey 2001 - 2007

Post Graduate, Hacettepe Üniversitesi, Tıp Fakültesi, Tıbbi Biyoloji, Turkey 1999 - 2001

Under Graduate, Orta Doğu Teknik Üniversitesi, Fen Fakültesi, Biyoloji, Turkey 1995 - 1999

## Foreign Languages

English, C1 Advanced

## Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Medical Biology

## Academic Titles / Tasks

Associate Professor, Hacettepe University, 2013 - Continues

## Advising Theses

PEYNİRCİOĞLU B., Ailevi akdeniz ateşi (AAA) hastalarında inflamatuvar hücre göçünün incelenmesi, Post Graduate, E.AVCI(Student), 2016

PEYNİRCİOĞLU B., İnflamatuvar hücre göçü sürecinde pyrin ve aktin ile ilişkili proteinlerin moleküler analizi, Post Graduate, C.GÜLER(Student), 2014

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

- I. **The Common miRNA Signatures Associated with Mitochondrial Dysfunction in Different Muscular Dystrophies**  
AKSU MENGEŞ E., Akkaya-Ulum Y. Z. , DAYANGAÇ ERDEN D., Balci-Peynircioglu B., YÜZBAŞIOĞLU A., Topaloglu H., TALİM B., Balci-Hayta B.  
AMERICAN JOURNAL OF PATHOLOGY, vol.190, pp.2136-2145, 2020 (Journal Indexed in SCI)
- II. **Effects of calcium hydroxide and N-acetylcysteine on MMP-2, MMP-9, TIMP-1 and TIMP-2 in LPS-stimulated macrophage cell lines**  
Astantas E. E. , AKSOY Y., Ulum Y. Z. A. , CEYHAN D., PEYNİRCİOĞLU B., DOĞAN BUZOĞLU H.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.43, pp.571-577, 2018 (Journal Indexed in

SCI)

- III. **Pyrin-PSTPIP1 colocalises at the leading edge during cell**  
Akkaya-Ulum Y. Z. , Balci-Peynircioglu B., PURALI N., YILMAZ E.  
CELL BIOLOGY INTERNATIONAL, vol.39, pp.1384-1394, 2015 (Journal Indexed in SCI)
- IV. **Investigation of the inflammatory cell migration process in familial Mediterranean fever**  
Ulum Y. A. , Avci E., Batu E., KARADAĞ Ö., ÖZEN S., PURALI N., YILMAZ E., PEYNİRCİOĞLU B.  
Pediatric Rheumatology, vol.13, 2015 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **CVID Associated with Systemic Amyloidosis**  
Esenboga S., ÇAĞDAŞ AYVAZ D. N. , Ayhan A. S. , PEYNİRCİOĞLU B., Sanal O., Tezcan I.  
CASE REPORTS IN IMMUNOLOGY, 2015 (Journal Indexed in ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Possible relationship between mevalonate kinase and cell migration from perspective of mevalonate kinase deficiency**  
AKBABA T. H. , AKKAYA ULUM Z. Y. , DEMİR S., ÖZEN S., PEYNİRCİOĞLU B.  
7th INTERNATIONAL CONGRESS OF THE MOLECULAR BIOLOGY ASSOCIATION OF TURKEY, 27 - 29 September 2019, vol.43
- II. **Possible Regulatory Effects Of miRNAs In The Pathogenesis Of Systemic Auto Inflammatory Diseases From The Perspective Of Familial Mediterranean Fever**  
AKKAYA ULUM Z. Y. , TAVUKÇUOĞLU Z., BATU E. D. , AKBABA T. H. , SÖNMEZ H. E. , PEYNİRCİOĞLU B., ÖZEN S.  
Autoinflammation 2019, 10.Uluslararası FMF ve SAID Kongresi, Cenova, İtalya, 31 March - 03 April 2019
- III. **miR-197 Regulates Inflammation In Monocytes And Synovial Fibroblasts By Targeting IL1R1**  
AKKAYA ULUM Z. Y. , TAVUKÇUOĞLU Z., AKBABA T. H. , YILMAZ E., PEYNİRCİOĞLU B.  
Autoinflammation 2019, 10.Uluslararası FMF ve SAID Kongresi, Cenova, İtalya, 31 March - 03 April 2019
- IV. **Cell Migration Defect In Hyperimmunoglobulin D Syndrome**  
AKBABA T. H. , DEMİR S., AKKAYA ULUM Z. Y. , ÖZEN S., PEYNİRCİOĞLU B.  
Autoinflammation 2019, 10.Uluslararası FMF ve SAID Kongresi, Cenova, İtalya, 31 March - 03 April 2019
- V. **Investigation of inflammasome components in the process of cell migration in FMF patients**  
AKBABA T. H. , AKKAYA ULUM Z. Y. , DEMİR S., TAVUKÇUOĞLU Z., ÖZEN S., PEYNİRCİOĞLU B.  
10th International Congress of Familial Mediterranean Fever and Systemic Auto-Inflammatory Diseases, Genoa, Italy, 31 March 2019, pp.20-21
- VI. **MiRNAs as Possible Modulators in the Pathogenesis of Systemic Auto Inflammatory Diseases**  
AKKAYA ULUM Z. Y. , AKBABA T. H. , TAVUKÇUOĞLU Z., ÖZEN S., PEYNİRCİOĞLU B.  
3rd Danube Conference on Epigenetics - FEBS 2018, Budapeşte, Hungary, 09 October 2018, pp.52
- VII. **The Existence Of Exosomal MiRNAs In The Circulation In Familial Mediterranean Fever (FMF) Patients**  
TAVUKÇUOĞLU Z., AKKAYA ULUM Z. Y. , YERSAL N., AKBABA T. H. , KORKUSUZ P., YARDIMCI G. K. , KARADAĞ Ö., PEYNİRCİOĞLU B.  
EMBO | EMBL Symposium: The Complex Life of RNA, Heidelberg, Germany, 03 October 2018, pp.309
- VIII. **Analysis of genetic background in Turkish early onset Parkinson's disease patients**  
AKBABA T. H. , ÖNAL G., YÜZBAŞIOĞLU A., YALÇIN ÇAKMAKLI G., PEYNİRCİOĞLU B., ÖZGÜÇ M., DÖKMECİ S., ELİBOL B.  
6th International Congress of the Molecular Biology Association of Turkey, İzmir, Turkey, 05 September 2018, pp.46
- IX. **Characterization of Circulating Exosomes and Analysis of Exosomal microRNAs**

TAVUKÇUOĞLU Z., AKKAYA ULUM Z. Y. , YERSAL N., AKBABA T. H. , HORZUM U., ESENDAĞLI G., KORKUSUZ P., PEYNİRCİOĞLU B.

6th International Congress of the Molecular Biology Association of Turkey, İzmir, Turkey, 05 September 2018, pp.165

X. **Analysis of genomic rearrangements in a Turkish cohort of early onset Parkinson's disease**

ÖNAL G., YÜZBAŞIOĞLU A., YALÇIN ÇAKMAKLI G., PEYNİRCİOĞLU B., DÖKMECİ S., ÖZGÜÇ M., ELİBOL B.

42nd FEBS Congress, 10 - 14 September 2017

XI. **EVALUATION OF ELK-1 ACTIVATION BY PHOSPHATIDYLINOSITOL 3-KINASE/AKT PATHWAY IN GLIOBLASTOMA**

Mut M., Isik S., Demir O., PEYNİRCİOĞLU B.

3rd Quadrennial Meeting of the World-Federation-of-Neuro-Oncology/6th Meeting of the Asian-Society-for-Neuro-Oncology, Yokohama, Japan, 11 - 14 May 2009, vol.11, pp.957

## Supported Projects

PEYNİRCİOĞLU B., Project Supported by Higher Education Institutions, Amiloid Hayvan Modelinde ASC(Apoptosis-associated speck like protein with a CARD) proteinin AA Tip Amiloid Patogenezindeki işlevinin aydınlatılması, 2011 - Continues

HAYTA B., KURT C. E. , AKSU E., AYDINOĞLU A. T. , PEYNİRCİOĞLU B., Project Supported by Higher Education Institutions, İnflamasyon ile İlişkili Nöromusküler Hastalıklarda Dolaşımdaki Mitokondriyal DNA'nın Araştırılması, 2018 - 2019

PEYNİRCİOĞLU B., AKKAYA ULUM Z. Y. , Project Supported by Higher Education Institutions, Otoinflamatuvar

Hastalıklarda İnflamazom Bileşenlerinin Hücre Göçü Sürecinde İncelenmesi, 2018 - 2019

PEYNİRCİOĞLU B., KALYONCU U., YERSAL N., AKBABA T. H. , ÖZEN S., KORKUSUZ P., AKKAYA ULUM Z. Y. , TAVUKÇUOĞLU Z., Project Supported by Higher Education Institutions, Ailevi Akdeniz Ateşi (AAA) Hastalığında Belirlenen Aday

miRNA'ların Dolaşımdaki Varlığının Eksozomlar Üzerinden Araştırılması, 2017 - 2019

PEYNİRCİOĞLU B., AKKAYA ULUM Z. Y. , Project Supported by Higher Education Institutions, Ailevi Akdeniz Ateşi Hastalığında Görülen İnflamasyon Sürecinde Rol Alan miRNAların Tanımlanması, 2017 - 2018

PEYNİRCİOĞLU B., Project Supported by Higher Education Institutions, Avrupa İnsan Genetiği Konferansı, 2016 - 2018

PEYNİRCİOĞLU B., AKKAYA ULUM Z. Y. , Project Supported by Higher Education Institutions, Ailevi Akdeniz Ateşi Patogenezinde mikroRNA20a ve mikroRNA197'nin Olası Rolü, 2017 - 2017

PEYNİRCİOĞLU B., Project Supported by Higher Education Institutions, 8. Uluslararası Ailevi Akdeniz Ateşi ve Sistemik Otoinflamatuvar Hastalıklar Kongresi, 2015 - 2016

PEYNİRCİOĞLU B., GUMUCİO D., Project Supported by Higher Education Institutions, Hücre polaritesinin Pluripotent Kök Hücrelerdeki Önemi, 2015 - 2016

AKKAYA ULUM Z. Y. , PEYNİRCİOĞLU B., Project Supported by Higher Education Institutions, Ailevi Akdeniz Ateşi hastalığında inflamatuvar hücre göçü sürecinin incelenmesi, 2015 - 2015

PURALI N., PEYNİRCİOĞLU B., TUBITAK Project, Pysin proteinin inflamatuvar hücre göçündeki işlevinin araştırılması, 2012 - 2014

## Citations

Total Citations (WOS):8

h-index (WOS):1