

## Prof. Emel BALOĞLU

### Personal Information

**Email:** emel.baloglu@acibadem.edu.tr

**Web:** <https://avesis.acibadem.edu.tr/emel.baloglu>

**Address:** emel.baloglu@acibadem.edu.tr

### International Researcher IDs

ORCID: 0000-0002-6786-3674

Publons / Web Of Science ResearcherID: J-1450-2014

Yoksis Researcher ID: 216451

### Education Information

Expertise In Medicine, Ankara University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, Turkey 2002 - 2006

Undergraduate, Ankara University, Tıp Fakültesi, Turkey 1992 - 2000

### Certificates, Courses and Trainings

Health&Medicine, Sağlık Bilimlerinde Orpheus Yaklaşımı ile Doktora Danışmanlık Eğitimi, Acibadem Üniversitesi, Sağlık Bilimleri Enstitüsü, 2022

Health&Medicine, 3.Erken Faz Klinik Araştırmalar Sempozyumu, İzmir Kan Hastalıkları ve Kanser Araştırma Yardım Derneği ve Dokuz Eylül Üniversitesi, 2021

Vocational Training, Tıp Eğitiminde Ölçme-Değerlendirme Kursu, Acibadem Mehmet Ali Aydınlar Üniversitesi, 2019

Health&Medicine, Temel İyi Klinik Uygulamalar AraştırmacıEğitimi,, Dokuz Eylül Üniversitesi Tıp Fakültesi ve IQVIA (T.C. Sağlık Bakanlığı Türkiye İlaç ve Tıbbi Cihaz Kurumunun onayı ile), 2019

Health&Medicine, Erken Faz Klinik Araştırmalar Sempozyumu, Dokuz Eylül Üniversitesi Tıp Fakültesi, 2019

### Dissertations

Expertise In Medicine, Yaş artışıının sıçan damar düz kasında beta 2 adrenerjik reseptör aracılı yanıtlara etkisinin incelenmesi, Ankara University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2006

### Research Areas

Pharmacology and Clinical Pharmacology, Health Sciences, Human Physiology

### Academic Titles / Tasks

Professor, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, 2023 - Continues

Associate Professor, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, 2018 - 2023

Expert, Ruprecht-Karls-Universitaet Heidelberg, Tıp Fakültesi, İç Hastalıkları Abd, 2006 - 2014

Research Assistant, Ankara University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2002 - 2006

## Academic and Administrative Experience

Ethics Committee Member, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, 2021 - Continues

Ethics Committee Member, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, 2021 - Continues

Ders Kurulu Başkanı, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, 2021 - Continues

Ders Kurulu Başkanı, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, 2021 - Continues

Fakülte Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, 2014 - Continues

Anabilim Dalı Akademik Kurul Üyesi, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, 2014 - Continues

Ethics Committee Member, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, 2019 - 2021

Yıl Koordinatörü, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, 2015 - 2020

Ders Kurulu Başkanı, Acibadem Mehmet Ali Aydınlar University, School Of Medicine, Department Of Medical Sciences, 2015 - 2018

## Courses

General Principles of Medical Pharmacology, Postgraduate, 2021 - 2022

Genitouriner System and Related Disorders BSC, Undergraduate, 2021 - 2022

Nervous System and Related Diseases BSC, Undergraduate, 2021 - 2022

Anestezi Farmakoloji, Associate Degree, 2021 - 2022

Anestezi Farmakoloji, Associate Degree, 2021 - 2022

Cardiovascular System and Related Disorders BSC, Undergraduate, 2021 - 2022

Anestezi Farmakoloji, Associate Degree, 2020 - 2021

Musculoskeletal System and Related Disorders, Undergraduate, 2021 - 2022

Gastrointestinal Sistem Hastalıklarında Kullanılan İlaçlar, Undergraduate, 2020 - 2021

General Principles of Medical Pharmacology, Postgraduate, 2020 - 2021

Genitoüriner Sistem Hastalıklarında Kullanılan İlaçlar, Undergraduate, 2020 - 2021

Endokrin Sistem Hastalıklarında Kullanılan İlaçlar, Undergraduate, 2020 - 2021

Microorganisms and Infection BSC, Undergraduate, 2021 - 2022

Anestezi Farmakoloji, Associate Degree, 2020 - 2021

Gastrointestinal System and Related Disorders BSC, Undergraduate, 2021 - 2022

Respiratory system and related disorders BSC, Undergraduate, 2021 - 2022

Kardiyovasküler Sistem Hastalıklarında Kullanılan İlaçlar, Undergraduate, 2020 - 2021

Gözetmenlik, Undergraduate, 2020 - 2021

Kas iskelet sistemi hastalıklarında kullanılan ilaçlar, Undergraduate, 2020 - 2021

Hastalıklarında kullanılan ilaçlar, Undergraduate, 2020 - 2021

Enfeksiyon hastalıkları tedavisinde kullanılan ilaçlar, Undergraduate, 2020 - 2021

Santral Sinir Sistemi Hastalıklarında Kullanılan İlaçlar, Undergraduate, 2020 - 2021

Hipotansif ilaçlar, Associate Degree, 2016 - 2017

Adrenerjik ilaçlar, Associate Degree, 2016 - 2017

Gaz anestezipler, Associate Degree, 2016 - 2017  
İntravenöz anestezipler, Associate Degree, 2016 - 2017  
Genel ve lokal anestezipler, Undergraduate, 2016 - 2017  
Peptik ülser tedavisinde kullanılan ilaçlar, Undergraduate, 2016 - 2017  
Antiinflamatuar ve analjezikler, Undergraduate, 2016 - 2017  
Dezenfektan, antiseptik ve sterilizan ilaçlar, Undergraduate, 2016 - 2017  
Tüberküloz ve Lepa tedavisinde kullanılan ilaçlar , Undergraduate, 2016 - 2017, 2015 - 2016  
Konvülsiyon ve epilepsi tedavisinde kullanılan ilaçlar, Undergraduate, 2016 - 2017  
Pitüiter hormonlar ve hipotalamustan salınan faktörler, Undergraduate, 2016 - 2017, 2015 - 2016  
Mide asidi ve volümünü azaltan ilaçlar , Associate Degree, 2016 - 2017  
Parazit, protozoa ve helmint enfeksiyonlarında kullanılan ilaçlar, Undergraduate, 2016 - 2017  
Penisilin, Sefalosporin ve diğer beta laktam antibiyotikler, Undergraduate, 2016 - 2017  
Antimikrobiyal tedavinin temel prensipleri , Undergraduate, 2016 - 2017  
Su ve elektrolit bozukluklarında kullanılan ilaçlar , Undergraduate, 2016 - 2017  
Nondepolarizan kas gevşetici ilaçlar, Associate Degree, 2016 - 2017  
İntravenöz anesteziplerin antagonist ilaçları , Associate Degree, 2016 - 2017  
Buharlaştırılabilir sıvı anestezipler, Associate Degree, 2016 - 2017  
Antikolinergik ve antihistaminik ilaçlar, Associate Degree, 2016 - 2017  
Antipsikotikler ve duyu durumu düzenleyici ilaçlar, Undergraduate, 2016 - 2017  
Kas gevşeticileri ilaçların antagonistleri, Associate Degree, 2016 - 2017  
Hipnotik ve sedatifler , Undergraduate, 2016 - 2017  
Romatoid artrit ve gut tedavisinde kullanılan ilaçlar , Undergraduate, 2016 - 2017  
Sülfonamid, trimetoprim-sulfametoksazole ve kinolonlar , Undergraduate, 2016 - 2017, 2015 - 2016  
Ester tipi, amid tipi lokal anestezipler ilaçlar, Associate Degree, 2016 - 2017  
GİS hastalıklarında kullanılan ilaçlar , Undergraduate, 2016 - 2017, 2015 - 2016  
Kanser tedavisinde kullanılan ilaçlar , Undergraduate, 2016 - 2017, 2015 - 2016  
Hipertansiyon tedavisinde kullanılan ilaçlar, Undergraduate, 2016 - 2017  
Ekspektoran, antitusif ve dekonjestanlar, Undergraduate, 2016 - 2017  
Aritmi tedavisinde kullanılan ilaçlar, Undergraduate, 2016 - 2017, 2015 - 2016  
Androjenler, anabolik steroidler ve antiandrojen ilaçlar, Undergraduate, 2016 - 2017  
Aminoglikozid Antibiyotikler, Undergraduate, 2016 - 2017, 2015 - 2016  
Antidepresan ilaçlar, Undergraduate, 2016 - 2017  
Protein sentez inhibitörleri ve diğer antimikrobiyal ajanlar, Undergraduate, 2016 - 2017, 2015 - 2016  
Lokal anestezipler ilaçlar, Associate Degree, 2016 - 2017  
Diyabet tedavisinde kullanılan ilaçlar , Undergraduate, 2016 - 2017  
Depolarizan kas gevşetici ilaçlar, Associate Degree, 2016 - 2017  
Antiviral ve antifungal ilaçlar , Undergraduate, 2016 - 2017, 2015 - 2016  
İdrar yolları enfeksiyonlarında kullanılan ilaçlar, Undergraduate, 2016 - 2017  
Kas gevşetici ilaçlar, Undergraduate, 2016 - 2017, 2015 - 2016  
Sedasyon amacıyla kullanılan ilaçlar, Associate Degree, 2016 - 2017  
Mineral iyon ve kemik homeostazisini etkileyen ajanlar, Undergraduate, 2016 - 2017, 2015 - 2016  
Kalp yetmezliği tedavisinde kullanılan ilaçlar, Undergraduate, 2016 - 2017  
İmmun sistemi etkileyen ilaçlar, Undergraduate, 2016 - 2017  
Antikoagulan, trombolitik ve antitrombositik ilaçlar , Undergraduate, 2016 - 2017  
Antimikrobiyal tedavinin temel prensipler, Undergraduate, 2015 - 2016  
Peptik ülselerde kullanılan ilaçlar, Undergraduate, 2015 - 2016  
Anestezipler Farmakoloji Dersleri -14 hafta, Associate Degree, 2015 - 2016  
Antifungal ilaçlar, Associate Degree, 2014 - 2015  
Dermatolojik Farmakoloji, Associate Degree, 2014 - 2015  
Anestezipler Farmakoloji 14 hafta, Associate Degree, 2014 - 2015

## Advising Theses

Baloğlu E., Investigating the role of HIF-1 $\alpha$  in regulating Na/K-ATPase pump in in-vitro ischemic heart model,

Postgraduate, G.Gençay(Student), Continues

Baloğlu E., Identification of interaction partners of  $\beta$ 1 subunit of Na<sup>+</sup>/K<sup>+</sup>-ATPase pump (NKA) in in-vitro hypoxic cardiomyocytes, Postgraduate, B.Gürler(Student), Continues

Baloğlu E., Identification of interaction partners of  $\beta$ 1 Na,K-ATPase (NKA) in in-vitro hypoxic cardiomyocytes, Postgraduate, B.Gürler(Student), Continues

Baloğlu E., INVESTIGATING THE ROLE OF HIF-1 $\alpha$  IN REGULATING NA<sup>+</sup>/K<sup>+</sup>-ATPASE PUMP IN IN-VITRO ISCHEMIC HEART MODEL, Postgraduate, G.GENÇAY(Student), 2022

## Jury Memberships

Post Graduate, Post Graduate, Acıbadem Mehmet Ali Aydınlar Üniversitesi, June, 2022

Post Graduate, Post Graduate, Acıbadem Mehmet Ali Aydınlar Üniversitesi, June, 2022

Expertise In Medicine, Expertise In Medicine, İstanbul Medeniyet Üniversitesi, December, 2021

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

- I. **HIF-2 $\alpha$  Controls Expression and Intracellular Trafficking of the  $\alpha$ 2-Subunit of Na,K-ATPase in Hypoxic H9c2 Cardiomyocytes.**  
Baloglu E.  
Biomedicines, vol.11, no.11, 2023 (SCI-Expanded)
- II. **Hypoxia and HIF-1 $\alpha$  Regulate the Activity and Expression of Na,K-ATPase Subunits in H9c2 Cardiomyoblasts**  
Gurler B., Gencay G., BALOĞLU E.  
CURRENT ISSUES IN MOLECULAR BIOLOGY, vol.45, no.10, pp.8277-8288, 2023 (SCI-Expanded)
- III. **Hypoxic Stress-Dependent Regulation of Na,K-ATPase in Ischemic Heart Disease**  
Baloğlu E.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.24, no.9, pp.7855-7875, 2023 (SCI-Expanded)
- IV. **Identification of Protein Interacting Partners of Na<sup>+</sup>/K<sup>+</sup>-ATPase Pump alpha 1 Subunit by Proteomic and Bioinformatic Analysis in InVitro Hypoxic Cardiomyocytes**  
BALOĞLU E., Gencay G., Gurler B., TİMUÇİN E., DURER Z. A., KILINÇ E.  
ACTA PHYSIOLOGICA, pp.58-59, 2023 (SCI-Expanded)
- V. **Hypoxia Aggravates Inhibition of Alveolar Epithelial Na-Transport by Lipopolysaccharide-Stimulation of Alveolar Macrophages**  
Baloğlu E., Velineni K., Ermis-Kaya E., Mairbaeurl H.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.23, no.15, 2022 (SCI-Expanded)
- VI. **Role of Hypoxia-Inducible Factors (HIF) in Regulating Intracellular Trafficking of Na<sup>+</sup>/K<sup>+</sup>-ATPase Subunits in in-vitro Ischmic Heart Model**  
Gencay G., KILINÇ E., BALOĞLU E.  
ACTA PHYSIOLOGICA, vol.234, pp.21, 2022 (SCI-Expanded)
- VII. **In Search of a Sensor: How Does CO<sub>2</sub> Regulate Alveolar Ion Transport?**  
BALOĞLU E., Mairbaurl H.  
AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY, vol.65, no.6, pp.571-572, 2021 (SCI-Expanded)
- VIII. **The role of hypoxia-induced modulation of alveolar epithelial Na<sup>+</sup>- transport in hypoxemia at high altitude**  
BALOĞLU E., Nonnenmacher G., Seleninova A., Berg L., Velineni K., Ermis-Kaya E., Mairbaeurl H.

PULMONARY CIRCULATION, vol.10, no.1\_SUPPL, pp.50-58, 2020 (SCI-Expanded)

- IX. **FXRD1 negatively regulates Na<sup>+</sup>/K<sup>+</sup>-ATPase activity in lung alveolar epithelial cells**  
Wujak L. A., Blume A., Baloglu E., Wygrecka M., Wygowski J., Herold S., Mayer K., Vadasz I., Besuch P., Mairbaeurl H., et al.  
RESPIRATORY PHYSIOLOGY & NEUROBIOLOGY, vol.220, pp.54-61, 2016 (SCI-Expanded)
- X. **Rebuttal to the PRO Statement.**  
Mairbaeurl H., BALOĞLU E.  
High altitude medicine & biology, vol.16, no.3, pp.194, 2015 (SCI-Expanded)
- XI. **Con: Corticosteroids Are Useful in the Management of HAPE.**  
Mairbaeurl H., Baloglu E.  
High altitude medicine & biology, vol.16, pp.190-2, 2015 (SCI-Expanded)
- XII. **beta(2)-Adrenergics in Hypoxia Desensitize Receptors but Blunt Inhibition of Reabsorption in Rat Lungs**  
Baloglu E., Reingruber T., Baertsch P., Mairbaeurl H.  
AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY, vol.45, no.5, pp.1059-1068, 2011 (SCI-Expanded)
- XIII. **beta(2)-Adrenergic Stimulation Blunts Inhibition of Epithelial Ion Transport by Hypoxia of Rat Alveolar Epithelial Cells**  
Loeh B., Baloglu E., Ke A., Baertsch P., Mairbaeurl H.  
CELLULAR PHYSIOLOGY AND BIOCHEMISTRY, vol.25, no.1, pp.123-134, 2010 (SCI-Expanded)
- XIV. **In vitro hypoxia impairs beta(2)-adrenergic receptor signaling in primary rat alveolar epithelial cells**  
Baloglu E., Ke A., Abu-Taha I. H., Baertsch P., Mairbaeurl H.  
AMERICAN JOURNAL OF PHYSIOLOGY-LUNG CELLULAR AND MOLECULAR PHYSIOLOGY, vol.296, no.3, 2009 (SCI-Expanded)
- XV. **Inhibition of Gi/o-proteins prevents hypoxia-induced impairment of beta2-adrenergic signalling in primary rat alveolar epithelial cells**  
Baloglu E., Ke A., Bartsch P., Mairbaurl H.  
FASEB JOURNAL, vol.22, 2008 (SCI-Expanded)
- XVI. **Dexamethasone prevents transport inhibition by hypoxia in rat lung and alveolar epithelial cells by stimulating activity and expression of Na<sup>+</sup>-K<sup>+</sup>-ATPase and epithelial Na<sup>+</sup> channels**  
Gueney S., Schuler A., Ott A., Hoeschele S., Zuegel S., Baloglu E., Baertsch P., Mairbaeurl H.  
AMERICAN JOURNAL OF PHYSIOLOGY-LUNG CELLULAR AND MOLECULAR PHYSIOLOGY, vol.293, no.5, 2007 (SCI-Expanded)
- XVII. **The role of Gi proteins in reduced vasorelaxation response to beta-adrenoceptor agonists in rat aorta during maturation**  
Baloglu E., Kiziltepe O., GÜRDAL H.  
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.564, no.1-3, pp.167-173, 2007 (SCI-Expanded)
- XVIII. **The characterization of the vascular effects of ghrelin on rat aorta.**  
Ademoglu F., Abacioglu N., Baloglu E., GÜRDAL H.  
ACTA PHARMACOLOGICA SINICA, vol.27, pp.154, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Inhibition of alveolar Na transport and LPS causes hypoxemia and pulmonary arterial vasoconstriction in ventilated rats**  
Davieds B., Gross J., Berger M. M., Baloglu E., Baertsch P., Mairbaeurl H.  
PHYSIOLOGICAL REPORTS, vol.4, 2016 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Identification of Protein Interacting Partners of Na<sup>+</sup>/K<sup>+</sup>-ATPase Pump alpha 1 Subunit by Proteomic and Bioinformatic Analysis in In Vitro Hypoxic Cardiomyocytes**  
BALOĞLU E., Gençay G., Gürler B., TİMUÇİN E., DURER Z. A., Kılınç E.  
47.Ulusal Fizyoloji Kongresi, United States Of America, 01 November 2022, vol.237, pp.58-59
- II. **Proteomic investigation of acute and chronic hypoxia reoxygenation responsive hemostatic proteins and pathways in H9C2 cardiomyocytes**  
Kılınç E., DURER Z. A., ÖZTUĞ KILINÇ M., BALOĞLU E.  
4.Uluslararası 33.Ulusal Biyofizik Kongresi, Adıyaman, Turkey, 31 August 2022
- III. **Role of Hypoxia-Inducible Factors (HIF) in Regulating Intracellular Trafficking of Na<sup>+</sup>/K<sup>+</sup>-ATPase Subunits in in-vitro Ischemic Heart Model**  
Gençay G., Kılınç E., BALOĞLU E.  
Turkish Society of Physiological Sciences, 46th National Physiology Congress, Virtual Meeting, Turkey, 4 - 06 November 2021, vol.234, pp.21
- IV. **Role of Hypoxia-Inducible Factors (HIF) in Regulating Intracellular Trafficking of Na<sup>+</sup>/K<sup>+</sup>-ATPase Subunits in in-vitro Ischemic Heart Model**  
Gençay G., Kılınç E., Baloğlu E.  
46. Ulusal Fizyoloji Kongresi, Samsun, Turkey, 8 - 10 October 2021, pp.21
- V. **İn-vitro iskemik kalp hastalığı modelinde Na<sup>+</sup>/K<sup>+</sup>-ATPaz alt ünitelerinin hücre içi lokalizasyonlarının düzenlenmesinde hipoksi ile indüklenebilir faktörlerin (HIF) rolü**  
Gençay G., Kılınç E., BALOĞLU E.  
TÜRK FİZYOLOJİK BİLİMLER DERNEĞİ, 46. ULUSAL FİZYOLOJİ KONGRESİ, England, 08 October 2021, vol.234, pp.21
- VI. **Lipopolysaccharide-stimulation of alveolar macrophages inhibits alveolar epithelial Na-transport by NO-dependent mechanisms**  
BALOĞLU E., Mairbaurl H.  
Pulmonary Drug Delivery Workshop 2019, 11 - 13 September 2019
- VII. **HIF-1 $\alpha$  controls the expression of Na/K-ATPase in hypoxic cardiomyocytes**  
Baloğlu E., Ulus İ. H., Mairbaurl H.  
Europhysiology 2018, London, United Kingdom, 14 - 16 September 2018
- VIII. **Hypoxia and soluble mediators from H1975 Lung Adenocarcinoma Cells affect NaTransport in Human Alveolar Epithelium.**  
ermiş kaya e., BALOĞLU E., meister m., CEBESoy S., warth a., mairbaurl h.  
DZL Annual Meeting, Munich, Germany, 25 January 2017
- IX. **Hypocapnia aggravates hypoxia-induced inhibition of alveolar Na-transport**  
Mairbaurl H., Sahinoz M., BALOĞLU E.  
Experimental Biology Meeting, California, United States Of America, 2 - 06 April 2016, vol.30
- X. **Hipoksik alveol epitel hücrelerinde epitel hücre Na kanallarının aktivite ve ekspresyonunun düzenlenmesinde HIF 2'nin rolü**  
Baloğlu E.  
23. Ulusal Türk Farmakoloji Derneği Kongresi, Ankara, Türkiye, Ankara, Turkey, 7 - 10 September 2015
- XI. **HIF 2 Dependent Regulation of Decreased Activity of ENaC in Hypoxic Alveolar Epithelial Cells**  
BALOĞLU E., Velineni K., Mairbaurl H.  
American Thoracic Society Meeting, Denver, Kolorado, ABD, 15 - 20 May 2015
- XII. **Hypoxia Dependent Signals From Lung Adenocarcinoma Cells Impair Na Transport In Human Alveolar Epithelium**  
Ermis Kaya E., BALOĞLU E., Meister M., CEBESoy S., Mairbaurl H.  
American Thoracic Society Meeting, Denver, Kolorado, ABD, 15 - 20 May 2015
- XIII. **Inhibition Of Alveolar Reabsorption By Stimulated Macrophages On Rat Alveolar Epithelial Cells**  
Velineni K., Baloglu E., Mairbaurl H.

International Conference of the American-Thoracic-Society (ATS), Colorado, United States Of America, 15 - 20 May 2015, vol.191

- XIV. **Hif-2 alpha Dependent Regulation Of Decreased Activity Of Enac In Hypoxic Alveolar Epithelial Cells**  
Baloglu E., Velineni K., Mairbaur H.  
International Conference of the American-Thoracic-Society (ATS), Colorado, United States Of America, 15 - 20 May 2015, vol.191
- XV. **Role of HIF in the inflammatory response at the alveolar epithelium and macrophages**  
Velineni K., BALOĞLU E., Mairbaur H.  
93th Annual Meeting of German Physiological Society", Mainz, Almanya, 13 - 15 March 2014
- XVI. **Hypoxia decrease Na K ATPase transcription and activity by HIF dependent manner**  
BALOĞLU E., Velineni K., Mairbaur H.  
."93th Annual Meeting of German Physiological Society", Mainz, Almanya, 13 - 15 March 2014
- XVII. **HIF 2 is involved in the decreased activitiy of ENaC in hypoxic alveolar epithelial cells**  
BALOĞLU E., Velineni K., Mairbaur H.  
."93th Annual Meeting of German Physiological Society", Mainz, Almanya, 13 - 15 March 2014
- XVIII. **Hypoxia prevents the mitochondrial oxygen consumption induced by stimulation of AMPK in cardiomyocytes**  
Mairbaur H., BALOĞLU E., Zhang Y.  
92th Annual Meeting of the German Physiological Society, 2 - 04 March 2013
- XIX. **Mechanisms of LPS induced impairment of alveolar Na transport by stimulated macrophages and effects of hypoxia**  
BALOĞLU E., Mairbaur H.  
Turkish-FEBS Physiology Congress", Workshop I, Lung, Macrophages, Hypoxia and Inflammation, Istanbul, Türkiye, 3 - 07 September 2011
- XX. **In vivo Hypoxia and terbutaline treatment impairs beta 2 adrenergic signalling in AII cells but blunts hypoxic inhibition of alveolar reabsorption**  
BALOĞLU E., Reingruber T., Bartsch P., Mairbaur H.  
American Thoracic Society Meeting, New Orleans, Louisiana, ABD, 14 - 19 May 2010
- XXI. **Endotoxin but not hypoxia increases the expression of pro inflammatory cytokines from alveolar macrophages AII and endothelial cells in an in vitro model of the alveolar barrier**  
BALOĞLU E., YAZIHAN N., Bartsch P., Mairbaur H.  
American Thoracic Society Meeting, New Orleans, Louisiana, ABD, 14 - 19 May 2010
- XXII. **Effects of endotoxin and hypoxia on the expression of pro inflammatory cytokines in lung macrophages epithelial and endothelial cells and on ion transport in vitro**  
BALOĞLU E., YAZIHAN N., Bartsch P., Mairbaur H.  
Joint Meeting of German and Scandinavian Physiological Societies, Kopenhag, Danimarka, 27 - 30 March 2010
- XXIII. **Handling cells in hypoxia**  
BALOĞLU E., Mairbaur H.  
Turkish-FEBS Physiology Congress", Workshop I, Lung, Macrophages, Hypoxia and Inflammation, İstanbul, Türkiye, 3 - 07 September 2011
- XXIV. **Prolonged treatment with terbutaline blunts hypoxic inhibition of alveolar reabsorption in vivo**  
BALOĞLU E., Reingruber T., Bartsch P., Mairbaur H.  
Joint Meeting of German and Scandinavian Physiological Societies, 27 - 30 March 2010
- XXV. **Endotoxin and hypoxia increase the expression of pro inflammatory cytokines from alveolar macrophages AII cells and endothelial cells in vitro**  
BALOĞLU E., Mairbaur H.  
Türk-FEBS Fizioloji Kongresi, Workshop I, Lung, Macrophages, Hypoxia and Inflammation, İstanbul, Türkiye, 03 September 2011 - 07 March 2010
- XXVI. **Hypoxia impairs beta 2 adrenergic signaling and stimulation of alveolar reabsorption in rat alveolar epithelial cells**  
BALOĞLU E., Loeh B., Bartsch P., Mairbaur H.

European Respiratory Society Meeting,Viyana, Avusturya, 12 - 16 September 2009

- XXVII. **Inhibition of Gi o proteins prevents hypoxia induced impairment of 2 adrenergic receptor signaling in rat primary alveolar cells**  
BALOĞLU E., Ke A., Bartsch P., Mairbäurl H.  
XXXVIII International Congress of Physiological Science and Experimental Biology, San Diego, Kaliforniya, ABD, 5 - 09 April 2008
- XXVIII. **Pertussis toxin prevents hypoxia induced impairment of 2 adrenergic signaling in primary rat alveolar epithelial cells**  
BALOĞLU E., Ke A., Bartsch P., Mairbäurl H.  
87th Annual Meeting of the German Physiological Society, 2 - 05 March 2008
- XXIX. **The Effect of Ghrelin on Adenylyl Cyclase and PL C Activity in Rat Aorta**  
Feyza A., ABACIOĞLU N., BALOĞLU E., GÜRDAL H.  
4th European Meeting on Vascular Biology and Medicine, 28 - 30 September 2005
- XXX. **Chronic treatment with beta adrenergic receptor antagonists restores impaired beta adrenergic receptor mediated responses during maturation and aging in rat aorta**  
BALOĞLU E., GÜRDAL H.  
Experimental Biology Meeting, Kaliforniya, ABD, 31 March - 05 April 2005

## Supported Projects

- Baloğlu E., Güney Ş., Özer Ç., Take Kaplanoğlu G., Project Supported by Higher Education Institutions, Delta Opioid Reseptörlerinin Kardiyoprotektif Etki Mekanizmalarında Sirt 1'in Rolü, 2022 - 2023
- Baloğlu E., Kılınç E., Durer Z. A., Timuçin E., TUBITAK Project, Iskemik kalp hastalığı modelinde Na<sup>+</sup>/K<sup>+</sup>-ATPaz pompası ile etkilesen proteinlerin saptanması, 2020 - 2023
- BALOĞLU E., TİMUÇİN E., ÖZDUMAN K., TUBITAK Project, AurorA A/N-Myc Kompleksini Hedefleyen Yarı-Akılci Peptit Tasarımı ve Deneysel Doğrulamaları, 2020 - 2023
- Baloğlu E., Kılınç E., TUBITAK Project, Kronik Hipoksik Kardiyomiyositlerde Na<sup>+</sup>/K<sup>+</sup>-ATPaz Proteinin Hücre İçi Lokalizasyonunda HIF'lerin Rolünün Araştırılması, 2019 - 2021
- Baloğlu E., Project Supported by Higher Education Institutions, Kardiyomiyositlerde kimyasal yoldan ve hipoksi ile aktiveleşen hipoksi ile indüklenen transkripsiyon faktörlerinin (HIF), Na/K-ATPaz pompasının ekspresyonuna etkisinin incelenmesi, 2016 - 2018
- Baloğlu E., TUBITAK Project, Investigating the role of HIF-2alpha in the expression and activity of Na/K-ATPase in hypoxic cardiomyocytes , 2015 - 2017
- Baloğlu E., Project Supported by Public Organizations in Other Countries, Control of activity and expression of ion transporters in rat lung Role of HIF and CREB in hypoxia and beta adrenergic stimulation, 2011 - 2014
- Baloğlu E., Mairbäurl H., TÜBİTAK International Bilateral Joint Cooperation Program Project, Role of hypoxia inflammation and beta adrenergic signaling on activity and expression of ion transporters in primary alveolar epithelial cells, 2010 - 2013
- Baloğlu E., Mairbäurl H., Project Supported by Public Organizations in Other Countries, Hormonal stimulation of shark rectal gland secretion in hypoxia, 2008 - 2008
- Baloğlu E., Mairbäurl H., Project Supported by Public Organizations in Other Countries, Effects of hypoxia on beta 2 adrenergic signaling in lung alveolar epithelium, 2006 - 2008

## Activities in Scientific Journals

- Acıbadem Üniversitesi Sağlık Bilimleri Dergisi, Editor, 2020 - Continues
- Acıbadem Sağlık Bilimleri Dergisi, Editor, 2020 - Continues

## Memberships / Tasks in Scientific Organizations

CA21130 - P2X receptors as a therapeutic opportunity (PRESTO), Country Representative, 2022 - Continues, Belgium  
GERMAN PHYSIOLOGICAL SOCIETY, Member, 2018 - Continues, Germany  
German Physiological Society, Member, 2018 - Continues, Germany  
Pulmoner İlaç Araştırmacıları Derneği, Board Member, 2017 - Continues, Turkey  
American Society for Pharmacology and Experimental Therapeutics, Member, 2015 - 2017, United States Of America

## Scientific Refereeing

INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Journal Indexed in SCI-E, December 2022  
RESPIRATORY RESEARCH, Journal Indexed in SCI-E, December 2022  
PHARMACEUTICS, Journal Indexed in SCI-E, November 2022  
RESPIRATORY RESEARCH, Journal Indexed in SCI-E, November 2022  
TUBITAK Project, 1002 - Quick Support Program, Acibadem Mehmet Ali Aydınlar University, Turkey, November 2022  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Acibadem Mehmet Ali Aydınlar University, Turkey, August 2022  
AMERICAN JOURNAL OF PHYSIOLOGY - CELL PHYSIOLOGY, Journal Indexed in SCI-E, July 2022  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Acibadem Mehmet Ali Aydınlar University, Turkey, June 2022  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Acibadem Mehmet Ali Aydınlar University, Turkey, June 2022  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Acibadem Mehmet Ali Aydınlar University, Turkey, June 2022  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Acibadem Mehmet Ali Aydınlar University, Turkey, June 2022  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Acibadem Mehmet Ali Aydınlar University, Turkey, June 2022  
AMERICAN JOURNAL OF PHYSIOLOGY - CELL PHYSIOLOGY, Journal Indexed in SCI-E, April 2022  
Project Supported by Higher Education Institutions, BAP Research Project, Van Yüzüncü Yıl University, Turkey, September 2021  
TUBITAK Project, 1002 - Quick Support Program, Yeditepe University, Turkey, August 2021  
BALKAN MEDICAL JOURNAL, Journal Indexed in SCI-E, January 2021  
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, Hacettepe University, Turkey, January 2021  
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, Mugla Sıtkı Koçman University, Turkey, January 2021  
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, Bahçeşehir University, Turkey, January 2021

## Scientific Consultations

Türkiye Klinikleri, Scientific Consultancy, Turkey, 2017 - Continues  
Türkiye Klinikleri, Scientific Consultancy, Turkey, 2017 - Continues

## Scientific Research / Working Group Memberships

Ca21130 - P2x Receptors As A Therapeutic Opportunity (Presto), COST Association (European Cooperation in Science and Technology), Belçika, <https://www.cost.eu/actions/CA21130/>, 2022 - Continues

## Metrics

Publication: 49  
Citation (WoS): 125  
Citation (Scopus): 136  
H-Index (WoS): 7  
H-Index (Scopus): 7

## Congress and Symposium Activities

47.Ulusal Fizyoloji Kongresi, Attendee, Antalya, Turkey, 2022  
3.Erken Faz Klinik Arařtırmalar Sempozyumu, Audience, İzmir, Turkey, 2021  
Ulusal Farmakoloji Kongresi, Audience, İzmir, Turkey, 2021  
46. ULUSAL FİZYOLOJİ KONGRESİ, Attendee, İstanbul, Turkey, 2021

## Scholarships

HAReconnect short term research scholarship, University, 2017 - 2017  
Tübitak BİDEB 2232 Yurda Dönüş Burs Programı, TÜBİTAK, 2015 - 2017

## Awards

Kılınç E., Durer Z. A., Öztuğ M., Baloğlu E., 2nd best oral presentation award/Proteomic investigation of acute and chronic hypoxia reoxygenation responsive hemostatic proteins and pathways in H9C2 cardiomyocytes, 4.Uluslararası 33.Ulusal Biyofizik Kongresi, September 2022  
Baloğlu E., Research Ambassador, Heidelberg University 'Heidelberg Alumni International', December 2017  
Baloğlu E., HAReconnect short term research scholarship, Heidelberg Üniversitesi 'Heidelberg Alumni International', May 2017  
Baloğlu E., Tübitak Bideb 2232 Yurda Dönüş Arařtırma Burs Programı, Tübitak Bideb 2232, February 2015  
Baloğlu E., Graduiertenakademie, Heidelberg Üniversitesi Tıp Fakültesi , June 2009  
Baloğlu E., Graduiertenakademie, Heidelberg Üniversitesi Tıp Fakültesi, June 2008