

Prof. EMEL BALOĞLU

Personal Information

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International Researcher IDs

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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 artışının 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

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

Fakülte 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
Antiinflammatuar ve analjezikler, Undergraduate, 2016 - 2017
Dezenfektan, antiseptik ve sterilizan ilaçlar, Undergraduate, 2016 - 2017
Tüberküloz ve Lepra tedavisinde kullanılan ilaçlar , Undergraduate, 2016 - 2017, 2015 - 2016
Konvülziyon 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 anesteziklerin antagonist ilaçları , Associate Degree, 2016 - 2017
Buharlaştırılabilir sıvı anestezikler, 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 anestezi ilaçları, 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 anestezi ilaçları, 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 ülserde kullanılan ilaçlar, Undergraduate, 2015 - 2016
Anestezi Farmakoloji Dersleri -14 hafta, Associate Degree, 2015 - 2016
Antifungal ilaçlar, Associate Degree, 2014 - 2015
Dermatolojik Farmakoloji, Associate Degree, 2014 - 2015
Anestezi Farmakoloji 14 hafta, Associate Degree, 2014 - 2015

Advising Theses

Baloğlu E., Investigating the role of HIF-1a 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⁺/K⁺-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 α IN REGULATING NA⁺/K⁺-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. **Proteomic investigation of acute and chronic hypoxia/reoxygenation responsive proteins and pathways in H9C2 cardiomyoblasts**
Oztug M., Kilinc E., DURER Z. A., Baloglu E.
TURKISH JOURNAL OF BIOLOGY, no.3, 2024 (SCI-Expanded)
- II. **HIF-2 α 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)
- III. **Hypoxia and HIF-1 α 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)
- IV. **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)
- V. **Identification of Protein Interacting Partners of Na⁺/K⁺-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)
- VI. **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)
- VII. **Role of Hypoxia-Inducible Factors (HIF) in Regulating Intracellular Trafficking of Na⁺/K⁺-ATPase Subunits in in-vitro Ischemic Heart Model**
Gencay G., KILINÇ E., BALOĞLU E.
ACTA PHYSIOLOGICA, vol.234, pp.21, 2022 (SCI-Expanded)
- VIII. **In Search of a Sensor: How Does CO₂ 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)
- IX. **The role of hypoxia-induced modulation of alveolar epithelial Na⁺- 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)

- X. **FXD1 negatively regulates Na⁺/K⁺-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)
- 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. **Rebuttal to the PRO Statement.**
Mairbaeurl H., BALOĞLU E.
High altitude medicine & biology, vol.16, no.3, pp.194, 2015 (SCI-Expanded)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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., Mairbaeurl H.
FASEB JOURNAL, vol.22, 2008 (SCI-Expanded)
- XVII. **Dexamethasone prevents transport inhibition by hypoxia in rat lung and alveolar epithelial cells by stimulating activity and expression of Na⁺-K⁺-ATPase and epithelial Na⁺ 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)
- XVIII. **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)
- XIX. **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⁺/K⁺-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⁺/K⁺-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⁺/K⁺-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⁺/K⁺-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 α 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 nın rolü**
Baloğlu E.
23. Ulusal Türk Farmakoloji Derneği Kongresi, Ankara, Türkiye, Ankara, Turkey, 7 - 10 September 2015
- XI. **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
- XII. **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
- 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. **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
- XVI. **HIF 2 is involved in the decreased activity 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
- XVII. **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
- 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. **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
- XXIII. **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
- XXIV. **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
- XXV. **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
- 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., Mairbaur 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., Mairbaur 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⁺/K⁺-ATPaz pompası ile etkilenen proteinlerin saptanması, 2020 - 2023

BALOĞLU E., TİMÜÇİN 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⁺/K⁺-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 aktifleşen 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., Mairbaur 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., Mairbaur H., Project Supported by Public Organizations in Other Countries, Hormonal stimulation of shark rectal gland secretion in hypoxia, 2008 - 2008

Baloğlu E., Mairbaur 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 Arařtırmacıları Derneđi, 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
RESPIRATORY RESEARCH, Journal Indexed in SCI-E, November 2022
PHARMACEUTICS, 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
AMERICAN JOURNAL OF PHYSIOLOGY - CELL PHYSIOLOGY, Journal Indexed in SCI-E, April 2022
Project Supported by Higher Education Institutions, BAP Research Project, Van Yüzüncü Yil 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 Arařtırma Burs Programı, Bahcesehir University, Turkey, January 2021
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Arařtırma Burs Programı, Hacettepe University, Turkey, January 2021
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Arařtırma Burs Programı, Mugla Sitki Kocman 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: 50
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