

## Assoc. Prof. PERİNUR BOZAYKUT EKER

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAN-4573-2021

ScopusID: 36625058900

Yoksis Researcher ID: 232867

### Biography

Dr. Perinur Bozaykut Eker graduated from Marmara University with a BS degree in Biological Sciences and pursued her MSc and PhD degrees in Medical Biochemistry at Marmara University. She completed her MSc studies as a visiting researcher at King's College London in Cardiovascular Division. Then, she worked as a postdoctoral fellow in the laboratory of Prof. Vadim Gladyshev at Harvard Medical School & Genetics Division where her research involved transcriptomics analysis of aging & lifespan extension and targeted drug repurposing. Currently, her research program at Acibadem University is funded by TUBITAK national programs and NSF-USA bilateral international program which focuses on mechanisms of aging and developing therapy strategies against age-related human pathologies including cancer and cardiovascular diseases.

### Education Information

Doctorate, Marmara University, Institute Of Health Sciences, Biyokimya (Dr) (Tıp), Turkey 2011 - 2015

Postgraduate, Marmara University, Institute Of Health Sciences, Biyokimya (YI) (Tezli) (Tıp), Turkey 2009 - 2011

Undergraduate, Marmara University, Faculty Of Arts And Sciences, Biology, Turkey 2005 - 2009

### Dissertations

Doctorate, Yüksek kolesterol diyeti ile oluşturulan ateroskleroz modelinde endoplazmik retikulum stres ve nükleer faktör-eritroid 2 ilişkili faktör 2 yolağının rolü, Marmara University, Sağlık Bilimleri Enstitüsü, Biyokimya (Dr) (Tıp), 2015

Postgraduate, Hiperkolesterolemi modelinde lipit birikimi ve aterogenezde rol oynayan faktörlerin aydınlatılması, Marmara University, Sağlık Bilimleri Enstitüsü, Biyokimya (YI) (Tezli) (Tıp), 2011

### Academic Titles / Tasks

Associate Professor, Acibadem Mehmet Ali Aydınlar University, Faculty Of Engineering And Natural Sciences, Molecular Biology And Genetics, 2023 - Continues

Assistant Professor, Acibadem Mehmet Ali Aydınlar University, Faculty of Humanities and Social Sciences, Molecular Biology And Genetics, 2019 - 2023

## Academic and Administrative Experience

Rectorate Commissioner, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering And Natural Sciences, Molecular Biology And Genetics, 2023 - Continues

Rectorate Commissioner, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, 2022 - Continues

Staj Başkanı, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering And Natural Sciences, Molecular Biology And Genetics, 2021 - Continues

Ethics Committee Member, Acibadem Mehmet Ali Aydinlar University, Faculty of Humanities and Social Sciences, Molecular Biology And Genetics, 2020 - Continues

Rectorate Commissioner, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering And Natural Sciences, Molecular Biology And Genetics, 2020 - 2023

## Courses

General Biology II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Seminar, Undergraduate, 2022 - 2023, 2021 - 2022

Molecular and Translational Biomedicine, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Working Progress, Postgraduate, 2022 - 2023, 2020 - 2021

Working Progress, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020

General Biology I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Molecular Mechanisms of Disease, Postgraduate, 2022 - 2023, 2020 - 2021

Research Techniques and Ethics in Natural Sciences, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Molecular mechanisms of disease, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Introduction to Molecular and Translational Biomedicine, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Biyokimya, Undergraduate, 2018 - 2019, 2017 - 2018, 2015 - 2016

## Advising Theses

Bozaykut Eker P., JAK related signaling during cellular senescence in long-lived blind mole-rats, Postgraduate, N.İNÇİ(Student), 2022

Sezerman O. U., Bozaykut Eker P., Transcriptomics-based Investigation of Drug Resistance Mechanisms of Triple Negative Breast Cancer Cell Line, Postgraduate, R.Ekren(Student), 2020

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

- I. **Pharmacological modulation of vascular ageing: A review from VascAgeNet**  
Roth L., Dogan S., Tuna B. G., Aranyi T., Benitez S., Borrell-Pages M., BOZAYKUT EKER P., De Meyer G. R. Y., Duca L., DURMUŞ SÜTPİDELER N., et al.  
AGEING RESEARCH REVIEWS, vol.92, 2023 (SCI-Expanded)
- II. **Distinct longevity mechanisms across and within species and their association with aging.**  
Tyshkovskiy A., Ma S., Shindyapina A. V., Tikhonov S., Lee S., Bozaykut P., Castro J. P., Seluanov A., Schork N. J., Gorbunova V., et al.  
Cell, 2023 (SCI-Expanded)
- III. **Transcriptomics and Proteomics Analyses Reveal JAK Signaling and Inflammatory Phenotypes during Cellular Senescence in Blind Mole Rats: The Reflections of Superior Biology**  
Inci N., Akyildiz E. O., Bülbül A. A., Tahir Turanlı E., Akgun E., Baykal A. T., Colak F., Bozaykut P.  
BIOLOGY, vol.11, pp.1253-1267, 2022 (SCI-Expanded)

- IV. **Cellular stress responses of long-lived and cancer-resistant naked mole-rats**  
BOZAYKUT EKER P.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.46, no.2, pp.205-212, 2021 (SCI-Expanded)
- V. **High-throughput profiling reveals perturbation of endoplasmic reticulum stress-related genes in atherosclerosis induced by high-cholesterol diet and the protective role of vitamin E**  
Bozaykut P., Ekren R., SEZERMAN O. U., Gladyshev V. N., Ozer N. K.  
BIOFACTORS, vol.46, no.4, pp.653-664, 2020 (SCI-Expanded)
- VI. **HSP70 Inhibition Leads to the Activation of Proteasomal System under Mild Hyperthermia Conditions in Young and Senescent Fibroblasts**  
Bozaykut P., Sozen E., Kaga E., Ece A., Ozaltin E., Bergquist J., Ozer N. K., Yilmaz B. K.  
OXIDATIVE MEDICINE AND CELLULAR LONGEVITY, vol.2020, 2020 (SCI-Expanded)
- VII. **Identification and Application of Gene Expression Signatures Associated with Lifespan Extension**  
Tyshkovskiy A., Bozaykut P., Borodinova A. A., Gerashchenko M., Ables G. P., Garratt M., Khaitovich P., Clish C. B., Miller R. A., Gladyshev V. N.  
CELL METABOLISM, vol.30, no.3, pp.573-601, 2019 (SCI-Expanded)
- VIII. **Aging and Cardiovascular Diseases: The Role of Cellular Senescence**  
BOZAYKUT EKER P.  
OXIDATIVE STRESS IN HEART DISEASES, pp.207-233, 2019 (SCI-Expanded)
- IX. **Nrf2 silencing to inhibit proteolytic defense induced by hyperthermia in HT22 cells**  
Bozaykut P., Ozer N. K., Karademir B.  
REDOX BIOLOGY, vol.8, pp.323-332, 2016 (SCI-Expanded)
- X. **Endoplasmic reticulum stress related molecular mechanisms in nonalcoholic steatohepatitis**  
Bozaykut P., ŞAHİN A., Karademir B., Ozer N. K.  
MECHANISMS OF AGEING AND DEVELOPMENT, vol.157, pp.17-29, 2016 (SCI-Expanded)
- XI. **Regulation of protein turnover by heat shock proteins**  
Bozaykut P., Ozer N. K., Karademir B.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.77, pp.195-209, 2014 (SCI-Expanded)
- XII. **Heat shock proteins and proteasomal degradation in normal and tumor cells**  
Betül K., Perinur B., Nesrin K. O.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.75, 2014 (SCI-Expanded)
- XIII. **The role of hypercholesterolemic diet and vitamin E on Nrf2 pathway, endoplasmic reticulum stress and proteasome activity**  
Perinur B., Erdi S., Burak Y., Betül K., Nesrin K.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.75, 2014 (SCI-Expanded)
- XIV. **The effect of Irisin on antioxidant system in liver**  
BATIREL S., Bozaykut P., Altundag E. M., Ozer N. K., Mantzoros C. S.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.75, 2014 (SCI-Expanded)
- XV. **Effects of vitamin E on peroxisome proliferator-activated receptor gamma and nuclear factor-erythroid 2-related factor 2 in hypercholesterolemia-induced atherosclerosis**  
Bozaykut P., Karademir B., Yazgan B., Sozen E., Siow R. C. M., Mann G. E., Ozer N. K.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.70, pp.174-181, 2014 (SCI-Expanded)
- XVI. **Potential role of proteasome on c-jun related signaling in hypercholesterolemia induced atherosclerosis**  
Sozen E., Karademir B., Yazgan B., Bozaykut P., Ozer N. K.  
REDOX BIOLOGY, vol.2, pp.732-738, 2014 (SCI-Expanded)
- XVII. **Regulation of protein turnover by heat shock proteins**  
YILMAZ B., Sozen E., Bozaykut P., Ece A., Ozaltin E., KARTAL ÖZER N., Grune T.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.65, 2013 (SCI-Expanded)
- XVIII. **The role of heat stress on the age related protein carbonylation**  
Bozaykut P., Sozen E., Kaga E., Ece A., Ozaltin E., Ek B., Ozer N. K., Grune T., Bergquist J., Karademir B.  
JOURNAL OF PROTEOMICS, vol.89, pp.238-254, 2013 (SCI-Expanded)

- XIX. **Age-related loss of stress-induced nuclear proteasome activation is due to low PARP-1 activity**  
Bakondi E., Catalgol B., Bak I., Jung T., Bozaykut P., Bayramicli M., Ozer N. K., Grune T.  
FREE RADICAL BIOLOGY AND MEDICINE, vol.50, no.1, pp.86-92, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Translation of Cellular Senescence to Novel Therapeutics: Insights From Alternative Tools and Models.**

Inci N., Kamali D., Akyildiz E. O., Tahir Turanlı E., Bozaykut P.

Frontiers in aging, vol.3, pp.828058, 2022 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Experimental Biochemistry for Medical Sciences Students**

Yigitbasi T., Erdem S. S., Bozaykut Eker P., Emekli N.

Medipol Üniversitesi Yayınları, İstanbul, 2019

- II. **Aging and Cardiovascular Diseases: The Role of Cellular Senescence**

Bozaykut Eker P.

in: Oxidative Stress in Heart Diseases, Chakraborti S, Dhalla N, Ganguly N, Dikshit N, Editor, Springer, Singapore, pp.207-233, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **Analysis of hypoxia exposure on the viability of heart and lung primary fibroblast cells of the blind mole rat**

Savsar B., Akyıldız E. O., Yalçın D., Bozaykut Eker P.

22th International Congress of Turkish of Society of Biochemistry, İzmir, Turkey, 27 October 2022, pp.1-2

- II. **Discovery of novel MTOR inhibitors and their effect on senescent cells**

Akyıldız E. O., Şan H. S., Gladyshev V., Bozaykut Eker P.

22th International Congress of Turkish Society of Biochemistry, İzmir, Turkey, 26 - 30 October 2022, pp.2-3

- III. **Identification and validation of novel drugs targeting longevity and cellular senescence based on barcod-based RNA sequencing**

Akyıldız E. O., Şan H. S., Gladyshev V., Bozaykut Eker P.

International Congress of Turkish Society of Biochemistry, İzmir, Turkey, 26 - 30 October 2022, pp.1-2

- IV. **Discovery of novel MTOR inhibitors and their effect senescence cells**

Akyıldız E. O., Şan H. S., Nissan X., Tyshkovskiy A., Gladyshev V., Bozaykut Eker P.

VII Annual Congress of the European Society of Vascular Medicine, Stockholm, Sweden, 6 - 08 October 2022

- V. **JAK/STAT signaling during cellular senescence process in primary fibroblast of blind mole rats**

İnci N., Akyıldız E. O., Bülbül A. A., Tahir Turanlı E., Bozaykut Eker P.

IUBMB-FEBS-PABMB Congress, Lisbon, Portugal, 10 July 2022, pp.1-2

- VI. **Cellular senescence-related inflammation and JAK-STAT signaling in long-lived Blind Mole-Rats**

Inci N., Akyıldız E. O., Tahir Turanlı E., Bulbul A., Savsar B., Çolak F., Bozaykut Eker P.

8th International Congress of Molecular Biology Association of Turkey, İstanbul, Turkey, 9 June - 12 July 2022

- VII. **Molecular Mechanisms of Superior Hypoxia-tolerance**

BOZAYKUT EKER P.

International Congress on New Developments in Health Sciences, 27 March 2021, pp.134

- VIII. **Analysis of mTOR inhibitors as senotherapeutics in aged lung fibroblast cells**

Bozaykut Eker P.

31. Ulusal Biyokimya Kongresi, 18 - 20 December 2020, pp.24

- IX. Identification of new anti-aging drugs by drug repurposing and their experimental validation by barcode-based RNA sequencing**  
Bozaykut Eker P.  
V. Türkiye in vitro Diyagnostik Sempozyumu, Sağlık Biyoteknolojisi, İzmir, Turkey, 19 - 21 February 2020, pp.10
- X. High-throughput analysis of high-cholesterol diet induced atherosclerosis and the effect of endoplasmic reticulum stress**  
Bozaykut P.  
III. Turkey in vitro Diagnostic (IVD) Symposium, İzmir, Turkey, 28 February - 02 March 2018, vol.43, no.1, pp.22-23
- XI. Proteasomal system and heat shock proteins in cancer cell death mechanisms**  
Karademir B., Yılmaz A. M., Altundag E. M., Sozen E., Bozaykut Eker P., Ozer N. K.  
1st International Cell Death Research Congress, İstanbul, Turkey, 4 - 08 May 2016, pp.1
- XII. Chemotherapy Resistance: The role of proteasomal degradation and heat shock response**  
YILMAZ B., SÖZEN A. E., BOZAYKUT EKER P., MUTLU ALTUNDAĞ E., YILMAZ GÖLER A. M., ŞAHİN A., ÇÖREK C., SARI G., KARTAL ÖZER N.  
SFRR-E/SNFS Conference 2015, Stuttgart, Germany, 1 - 04 September 2015, vol.86
- XIII. Unfolded protein response to the hypercholesterolemia induced endoplasmic reticulum stress in atherosclerosis**  
Bozaykut P., Karademir B., KARTAL ÖZER N.  
40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.111
- XIV. Oxidative and Endoplasmic Reticulum Stress Related Molecular Mechanisms in Atherosclerosis**  
Bozaykut Eker P., Karademir B., Kartal Özer N.  
5th International Congress of Molecular Medicine, İzmir, Turkey, 20 - 22 May 2015, pp.30
- XV. Inhibition of Molecular Mechanisms Related to Hyperthermia Induced Thermotolerance**  
Bozaykut Eker P., Kartal Özer N., Karademir B.  
3rd EACR-Sponsored Anticancer Agent Development Congress, İzmir, Turkey, 18 - 19 May 2015, pp.14
- XVI. THE ROLE OF HSP70 IN THE PROTEIN AGGREGATION DIFFERENCES IN THE CELLULAR SENESCENCE**  
KARADEMİR B., BOZAYKUT P., SÖZEN E., KAGA E., ECE A., ÖZALTIN E., KARTAL ÖZER N., GRUNE T.  
EMBO CONFERENCE, 8 - 13 May 2015
- XVII. The effect of proteasome on c jun related signaling mechanisms in hypercholesterolemia induced oxidative stress**  
SOZEN E., KARADEMİR B., YAZGAN B., BOZAYKUT P., KARTAL ÖZER N.  
FEBS EMBO 2014 Congress, Paris, France, 30 August - 04 September 2014
- XVIII. The role of hypercholesterolemic diet and vitamin E on Nrf2 pathway, endoplasmic reticulum stress and proteasome activity**  
BOZAYKUT EKER P., SÖZEN A. E., YILMAZ B., YAZGAN B., KARTAL ÖZER N.  
SFRR-E Meeting 2014, France, 06 September 2014
- XIX. The effect of proteasome on c-jun mediated signaling mechanisms in hypercholesterolemia induced oxidative stress**  
Sozen E., Karademir B., Yazgan B., Bozaykut P., KARTAL ÖZER N.  
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.605
- XX. Role of vitamin E on PPARgamma and Nrf2 related signalling pathways in in vivo model of atherosclerosis**  
Bozaykut P., Karademir B., Yazgan B., Sozen E., Siow R., Mann G. E., KARTAL ÖZER N.  
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.675
- XXI. The role of HSP70 in the chemotherapeutic approach for proteasomal degradation and autophagy**  
Sozen E., Bozaykut Eker P., Ozer N. K., Grune T., Karademir B.  
17th Biennial Meeting of Society for Free Radical Research International (SFRRRI 2014), Kyoto, Japan, 23 May 2014, pp.1

- XXII. **The Effect of Hypercholesterolemia Induced Oxidative Stress on Cardiac Failure and Autophagy Role of Vitamin E**  
Sözen A. E., Yazgan B., Karademir B., Bozaykut Eker P., Kaga E., Ozer N. K.  
FEBS Special Meeting on Protein Quality Control and Ubiquitin Systems in Health and Disease, Aydın, Turkey, 14 - 16 November 2013, pp.78
- XXIII. **Hypercholesterolemia related signaling pathways during progression of atherosclerosis role of vitamin E**  
KARTAL ÖZER N., ÇATALGÖL B., BOZAYKUT P., SÖZEN A. E., YAZGAN B.  
XXXVIII Annual Conference of Environmental Mutagen Society of India on Current Perspectives on Environmental Mutagenesis and Health, 28 - 30 January 2013
- XXIV. **The role of heat shock proteins in the protein oxidation during aging**  
YILMAZ B., SÖZEN A. E., BOZAYKUT EKER P., KAĞA E., KARTAL ÖZER N.  
SFRR 16th Biennial Meeting, Japan, 09 September 2012
- XXV. **Proteomic Analysis of Rabbit Aorta in Hypercholesterolemia Induced Atherosclerosis**  
KAĞA E., YILMAZ B., YAZGAN B., ÜSTÜNŞOY S., SÖZEN A. E., BOZAYKUT EKER P., KARTAL ÖZER N.  
SFRR-Europe 2011 Meeting, Redox Biology and Micronutrient: From signaling to translation and back, Turkey, 07 September 2011
- XXVI. **The transcription factors PPAR $\gamma$  and Nrf2 effect lipid accumulation and cholesterol efflux in in vivo model of atherosclerosis**  
BOZAYKUT EKER P., YILMAZ B., ÜSTÜNŞOY S., SÖZEN A. E., KAĞA E., KARTAL ÖZER N.  
SFRR-Europe 2011 Meeting, Redox Biology and Micronutrient: From signaling to translation and back, Turkey, 06 September 2012
- XXVII. **Role of protein kinase c, c-jun, and matrix metalloproteinase in hypercholesterolemia induced atherosclerosis**  
SÖZEN A. E., YILMAZ B., YAZGAN B., ÜSTÜNŞOY S., BOZAYKUT EKER P., KAĞA E., KARTAL ÖZER N.  
SFRR-Europe 2011 Meeting, Redox Biology and Micronutrient: From signaling to translation and back, Turkey, 06 September 2012
- XXVIII. **Effect of Hypercholesterolemic Diet and Vitamin E on Signal Transduction and Proteasomal System in Rabbit Aorta**  
Bozaykut P., Sozen E., Catalgol B., Ozer N. K.  
16th SFRR Biennial Meeting, London, United Kingdom, 06 September 2012, pp.11
- XXIX. **Activation of AP-1 protein and related increase of matrix metalloproteinase expression in hypercholesterolemia induced atherosclerosis**  
Sozen E., Bozaykut P., Catalgol B., Yazgan B., Ustunsoy S., KARTAL ÖZER N.  
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.106
- XXX. **Different response of proteasomal degradation in normal and tumor cells during heat stress**  
Catalgol B., Bozaykut P., Ozer N. K., Grune T.  
Oxygen Club of California World Congress 2012, Cell Signaling, Gene-Nutrition Interactions, Turin, Italy, 20 June 2013, pp.47
- XXXI. **The effect of hypercholesterolemia induced oxidative stress on cardiac failure and autophagy role of vitamin E**  
SÖZEN A. E., YAZGAN B., ÇATALGÖL B., BOZAYKUT P., KAGA E., KARTAL ÖZER N.  
FEBS Special Meeting on Quality Control and Ubiquitin Systems in Health and Disease, 14 - 16 November 2012
- XXXII. **Chaperone dependent regulation of proteasomal degradation in stress conditions**  
ÇATALGÖL B., BOZAYKUT P., SÖZEN A. E., KARTAL ÖZER N., GRUNE T.  
FEBS Special Meeting on Protein Quality Control and Ubiquitin Systems in Health and Disease, 14 - 16 November 2012
- XXXIII. **Different response of proteasomal degradation in normal and tumor cells during heat stress**  
ÇATALGÖL B., BOZAYKUT P., SÖZEN A. E., ECE A., OZALTIN E., KARTAL ÖZER N., GRUNE T.  
Oxidants and Antioxidants in Biology, Cell Signaling and Nutrient Gene Interaction, 20 - 23 June 2012
- XXXIV. **Heat shock proteins in the post translational modifications**

Karademir B., Bozaykut P., Sozen E., Kaga E., Grune T.

SFRR-Europe 2011 Meeting, Redox Biology and Micronutrients: From signaling to translation and back, İstanbul, Turkey, 07 September 2011, pp.54

- XXXV. **Induction of vascular antioxidant defences in response to dietary lipids and atherogenesis in hypercholesterolemic rabbits**  
Bozaykut P., Catalgol B., Yazgan B., Sözen A. E., Siow R., Mann G. E., Ozer N. K.  
Physiology 2011 Congress, Oxford, United Kingdom, 11 - 14 July 2011, pp.45
- XXXVI. **The transcription factors PPAR gamma and Nrf 2 effect lipid accumulation and cholesterol efflux in in vivo model of atherosclerosis**  
BOZAYKUT P., ÇATALGÖL B., YAZGAN B., USTUNSOY S., SÖZEN A. E., SİOW R., MANN G., KARTAL ÖZER N.  
SFRR-E 2011 Meeting Redox Biology and Micronutrient From signaling to translation to back, 7 - 10 September 2011
- XXXVII. **Proteomic Analysis of Rabbit Aorta in Hypercholesterolemia Induced Atherosclerosis**  
KAGA E., ÇATALGÖL B., USTUNSOY S., SÖZEN A. E., BOZAYKUT P., KARTAL ÖZER N.  
SFRR-E 2011 Meeting ,Redox Biology and Micronutrient : From signaling translation to back, 7 - 10 September 2011
- XXXVIII. **Role of Protein kinase C c jun and Matrix Metalloproteinase in Hypercholesterolemia induced Atherosclerosis**  
SÖZEN A. E., ÇATALGÖL B., YAZGAN B., USTUNSOY S., BOZAYKUT P., KAGA E., KARTAL ÖZER N.  
SFRR-E 2011 Meeting Redox Biology and Micronutrients, 7 - 10 September 2011
- XXXIX. **Hypercholesterolemia related signalling pathways in atherosclerosis**  
KARTAL ÖZER N., ÇATALGÖL B., YAZGAN B., USTUNSOY S., KAGA E., BOZAYKUT P., SÖZEN A. E.  
SFRR-Europe 2011 Meeting Redox Biology and Micronutrients, 7 - 10 September 2011
- XL. **Hypercholesterolemia and related signaling pathways towards atherosclerosis role of vitamin E**  
KARTAL ÖZER N., ÇATALGÖL B., YAZGAN B., USTUNSOY S., KAGA E., BOZAYKUT P.  
2st International Conference on Tocotrienols Chronic Diseases, 13 - 14 July 2011
- XLI. **Expressions of Matrix Metalloproteinases in Atherosclerosis**  
Bozaykut P., Catalgol B., Kaga E., Sozen E., Ozer N. K.  
35th FEBS Congress Molecules of Life, Gothenburg, Sweden, 26 June 2010, pp.98
- XLII. **The Main Genetic Pathways Playing Roles in Atherosclerosis**  
Bozaykut P., Catalgol B., Kaga E., Sozen E., Kartal Özer N.  
Protein maintenance and turnover in ageing & diseases, FEBS Advanced Lecture Course, Athens, Greece, 04 June 2010, pp.10
- XLIII. **Oxidative stress related signaling pathways involved in the atherosclerosis**  
SÖZEN A. E., ÇATALGÖL B., KAGA E., BOZAYKUT P., KARTAL ÖZER N.  
SFRR-E Free Radical Summer School, 4 - 10 June 2010
- XLIV. **Identification of differentially expressed proteins as biomarkers of atherosclerosis induced by hypercholesterolemia**  
Kaga E., Çatalgol B., Bozaykut P., Sözen A. E., Kartal Özer N.  
SFRR-E Free Radical Summer school, Athens, Greece, 4 - 10 June 2010

## Supported Projects

Bozaykut Eker P., Gök Ö., Timuçin E., Senay S., Süyen G., Tuncay E., TÜBİTAK International Bilateral Joint Cooperation Program Project, Cardiac Analysis on the Superior Hypoxia-tolerance through in vivo and in vitro Approaches, 2021 - 2024

Bozaykut Eker P., Çolak F., Beyaz S., Sezerman O. U., TUBİTAK Project, Yaşlanma ve Kanser Dircine Sahip Kör Farelerde Hücresel Strese Karşı Geliştirilen Moleküler veEpigenetik Mekanizmaların 3 Boyutlu Organoid Kültürlerinde Araştırılması, 2021 - 2024

Bozaykut Eker P., Gladyshev V., Kırmalı C. E., Karademir Yılmaz B., TUBİTAK Project, İlaç yeniden konumlandırma ile tayin edilen moleküllerin senoterapötik potansiyelinin in vitro olarak belirlenmesi, 2021 - 2024

Bozaykut Eker P., Project Supported by Higher Education Institutions, K r farelerde yařlanma ile iliřkili inflamasyonun arařtırılması, 2020 - 2021

Bozaykut Eker P., Gladyshev V., Project Supported by Public Organizations in Other Countries, Mechanisms of lifespan control, 2016 - 2020

Bozaykut Eker P., TUBITAK Project, Molecular Mechanism of Aging and Age-related Diseases in Induced Pluripotent Stem Cells, 2016 - 2017

Yılmaz B., TUBITAK Project, Kemoterapi Srecinde Kullanılan Isı Uygulamasına Karřı Hresel Savunma Mekanizmalarının Rol, 2015 - 2016

Bozaykut Eker P., Yılmaz B., TBTAK - AB COST Project, Yařlanma Srecinde Isı řok Proteinlerinin Oksidatif Protein Modifikasyonlarındaki Rol, 2011 - 2014

## **Memberships / Tasks in Scientific Organizations**

International Society on Aging and Disease, Country Representative, 2021 - Continues, United States Of America

## **Metrics**

Publication: 68

Citation (WoS): 356

Citation (Scopus): 328

H-Index (WoS): 8

H-Index (Scopus): 8

## **Awards**

Bozaykut Eker P., Oral Presentation Award, Trk Biyokimya Derneęi, February 2020

Bozaykut Eker P., Young Researcher Scholarship, Mokad, April 2015

Bozaykut Eker P., Research Assistant Abstract Award, Marmara niversitesi, April 2013

Bozaykut Eker P., Early Research Career Award, Sfr-Europe, September 2011

Bozaykut Eker P., Poster Competition Award, The Physiological Society Uk, July 2011