

Prof. Leman YALÇINTEPE GÜNEŞTUTAR

Personal Information

Office Phone: [+90 212 414 2000](tel:+902124142000) Extension: 35069

Email: lemany@istanbul.edu.tr

Web: <http://aves.istanbul.edu.tr/2162/>

Address: İ.Ü. İstanbul Tıp Fakültesi, Biyofizik Anabilim Dalı, Çapa-Fatih, İstanbul

International Researcher IDs

ORCID: 0000-0002-5294-9192

Publons / Web Of Science ResearcherID: AAE-3060-2020

Yoksis Researcher ID: 126180

Education Information

Doctorate, Istanbul University, İ.Ü.Sağlık Bilimleri Ens., Biyofizik Anabilim Dalı, Turkey 1992 - 1999

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, NAD/ADP Riboz Metabolizmasına İlişkin Çalışmalar, Istanbul University, Sağlık Bilimleri Ens., Biyofizik A.D., 1999

Research Areas

Life Sciences, Biophysics, Molecular Biophysics, Natural Sciences

Academic Titles / Tasks

Associate Professor, Istanbul University, Istanbul Medical Faculty, Biyofizik A.D., 2010 - Continues

Advising Theses

YALÇINTEPE GÜNEŞTUTAR L., K562 hücrelerinde doksorubisine karşı gelişen direnç nitrik oksitinin etkisi, Postgraduate, S.Ülkü(Student), 2013

Published journal articles indexed by SCI, SSCI, and AHCI

1. Synergistic effect of selenium and genipin triggers viability of 3T3 cells on PVA/Gelatin scaffolds

Erdag D., Koç S. N., Öksüzömer M. A. F., Yalçın-tepe Güneştutar L.

Acta Bioeng Biomech, vol.24, no.1, pp.179-190, 2022 (SCI-Expanded)

- II. **Iron alters Ca²⁺ homeostasis in doxorubicin-resistant K562 cells**
Yalcintepe L., Erdag D., AKBAŞ F., Kucukkaya B.
CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, vol.47, no.7, pp.1221-1230, 2020 (SCI-Expanded)
- III. **Calcium homeostasis in cisplatin resistant epithelial ovarian cancer.**
Kucukkaya B., Basoglu H., Erdag D., AKBAŞ F., SÜSGÜN S., Yalcintepe L.
General physiology and biophysics, vol.38, no.4, pp.353-363, 2019 (SCI-Expanded)
- IV. **Effect of CD38 on the multidrug resistance of human chronic myelogenous leukemia K562 cells to doxorubicin.**
Yalcintepe L., Halis E., Ulku S.
Oncology letters, vol.11, no.3, pp.2290-2296, 2016 (SCI-Expanded)
- V. **Modulation of iron metabolism by iron chelation regulates intracellular calcium and increases sensitivity to doxorubicin**
Yalcintepe L., Halis E.
BOSNIAN JOURNAL OF BASIC MEDICAL SCIENCES, vol.16, no.1, pp.14-20, 2016 (SCI-Expanded)
- VI. **Characterization of Lin(-)ALDH(bright) population using Ehrlich ascites tumor cells in mice**
Yalcintepe L., Altinel P., Albeniz I., Yilmaz A., Nurten R.
TUMOR BIOLOGY, vol.35, no.10, pp.10363-10373, 2014 (SCI-Expanded)
- VII. **Erythrocyte CD38 as a prognostic marker in cancer**
Albeniz I., Demir O., Tuerker-Sener L., Yalçın-tepe L., Nurten R., Bermek E.
HEMATOLOGY, vol.12, no.5, pp.409-414, 2007 (SCI-Expanded)
- VIII. **Expression of interleukin-3 receptor subunits on defined subpopulations of acute myeloid leukemia blasts predicts the cytotoxicity of diphtheria toxin interleukin-3 fusion protein against malignant progenitors that engraft in immunodeficient mice.**
Yalcintepe L., Frankel A., Hogge D.
Blood, vol.108, no.10, pp.3530-7, 2006 (SCI-Expanded)
- IX. **Nitric oxide levels during erythroid differentiation in K562 cell line.**
Kucukkaya B., Ozturk G., Yalcintepe L.
Indian journal of biochemistry & biophysics, vol.43, no.4, pp.251-3, 2006 (SCI-Expanded)
- X. **Variant diphtheria toxin-interleukin-3 fusion proteins with increased receptor affinity have enhanced cytotoxicity against acute myeloid leukemia progenitors.**
Hogge D., Yalcintepe L., Wong S., Gerhard B., Frankel A.
Clinical cancer research : an official journal of the American Association for Cancer Research, vol.12, no.4, pp.1284-91, 2006 (SCI-Expanded)
- XI. **Changes in metabolism NAD/ADP-ribose in rectal cancer**
Yalcintepe L., Turker-Sener L., Sener A., Yetkin G., Tiryaki D., Bermek E.
BRAZILIAN JOURNAL OF MEDICAL AND BIOLOGICAL RESEARCH, vol.38, no.3, pp.361-365, 2005 (SCI-Expanded)
- XII. **Nuclear CD38 in retinoic acid-induced HL-60 cells.**
Yalcintepe L., Albeniz I., Adin-Cinar S., Tiryaki D., Bermek E., Graeff R., Lee H.
Experimental cell research, vol.303, no.1, pp.14-21, 2005 (SCI-Expanded)
- XIII. **Hemin-dependent induction and internalization of CD38 in K562 cells.**
Yalcintepe L., Ercelen S., Adin-Cinar S., Badur S., Tiryaki D., Bermek E.
Journal of cellular biochemistry, vol.90, no.2, pp.379-86, 2003 (SCI-Expanded)
- XIV. **Serum proteins with NAD⁺ glycohydrolase activity and anti-CD38 reactivity--elevated levels in serum of tumour patients.**
Korkut C., Yalcintepe L., Kiremit-Korkut N., Uzun-Altinoz S., Issever S., Gumusel F., Tiryaki D., Bermek E.
Cancer letters, vol.126, no.1, pp.105-9, 1998 (SCI-Expanded)
- XV. **Wortmannin is a potent inhibitor of DNA double strand break but not single strand break repair in Chinese hamster ovary cells.**

Boulton S., Kyle S., Yalçintepe L., Durkacz B.
Carcinogenesis, vol.17, no.11, pp.2285-90, 1996 (SCI-Expanded)

Articles Published in Other Journals

- I. **Kanser Hücrelerinde Hücre İçi Kalsiyum Hareketlerinin Bileşenleri**
YALÇINTEPE GÜNEŞTUTAR L.
Türkiye Klinikleri J Med Sci, vol.37, no.2, pp.98-108, 2017 (Scopus)
- II. **Elektroforezde Yeni Yaklaşımlar**
GÜNEŞTUTAR L.
Sigma (YTU, Mühendislik ve Fen Bilimleri Dergisi), vol.27, no.2, pp.151-160, 2009 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Bütünleştirilmiş Moleküler ve Hücresel Biyofizik**
Nurten A., Albeniz I., Yalçintepe Güneştutar L., Akçakaya H., Bektaş M., Varol B., Özerman Edis B., Türker Şener L., Nurten R. (Editor)
İstanbul Tıp Kitabevi, İstanbul, 2014
- II. **Moleküler Makinaların Yapı ve İşlevi**
GÜNEŞTUTAR L.
in: Bütünleştirilmiş Moleküler ve Hücresel Biyofizik, Rustem Nurten, Editor, Nobel, İstanbul, pp.173-216, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. **NAD Metabolism in Breast Cancer**
GÜNEŞTUTAR L.
Febs Journal, Budapeşte, Hungary, 3 - 07 July 2005, pp.272
- II. **The use of mouse models of normal and malignant hematopoiesis to design strategies for selective purging of primitive AML progenitor.**
GÜNEŞTUTAR L.
Tandem BMT, Biology of Blood and Marrow Transplantation, Keystone, Colorado, United States Of America, 10 - 14 February 2005, pp.105
- III. **The use of mouse models of normal and malignant hematopoiesis to design strategies for selective purging of primitive acute myeloid leukemia (AML) progenitors**
Hogge D., Wong S., YALÇINTEPE GÜNEŞTUTAR L., Frankel A.
Joint Meeting of the American-Society-for-Blood-and-Marrow-Transplantation/Center-for-International-Blood-and-Marrow-Transplant-Research, Colorado, United States Of America, 10 - 14 February 2005, vol.11, pp.60
- IV. **Serum and Erythrocyte NAD Glycohydrolase Activity in Cancer Disease**
GÜNEŞTUTAR L.
4th İnt. Symposium on Predictive Oncology and Therapy, Nice, France, 24 - 27 October 1998, pp.105

Supported Projects

YALÇINTEPE GÜNEŞTUTAR L., ARLI O. T., Project Supported by Higher Education Institutions, Sisplatin Yüklü, Miseler Yapıda Kazein Nanopartiküllerin Sentezi, Karakterizasyonu ve İn Vitro Uygulamaları, 2019 - 2022
YALÇINTEPE GÜNEŞTUTAR L., ERDAĞ D., Project Supported by Higher Education Institutions, Biyobozunur ve Biyoyumlu Polimerlerin İn Vitro Uygulamaları", 2018 - 2020
YALÇINTEPE GÜNEŞTUTAR L., Project Supported by Higher Education Institutions, Ehrlich ascites tumor hücreleri

kullanılarak farede Lin-ALDH+ hücrelerin karakterizasyonu, 2015 - 2016

YALÇINTEPE GÜNEŞTUTAR L., Project Supported by Higher Education Institutions, İlaç direnci gelişmiş hücrelerdeki hücre içi kalsiyum düzenlenmesi (Eski proje), 2014 - 2016

YALÇINTEPE GÜNEŞTUTAR L., Project Supported by Higher Education Institutions, DFO İLE DEMİR METABOLİZMASININ MODÜLASYONUNUN HÜCRE İÇİ KALSİYUMA ETKİSİ, 2015 - 2015

YALÇINTEPE GÜNEŞTUTAR L., Project Supported by Higher Education Institutions, Kanser Gelişim Sürecinde artmış Aldehit Dehidrogenaz Aktivitesine Göre BALB/C Fare Modelinde Hematopoetik Hücrelerin Davranışlarının İncelenmesi, 2009 - 2013

YALÇINTEPE GÜNEŞTUTAR L., Project Supported by Higher Education Institutions, AML HUCRELERİNDE INTERLOKIN 3 RESEPTOR ALT BİRİMLERİNİN EKSPRESYONUNUN, 2008 - 2010

YALÇINTEPE GÜNEŞTUTAR L., Project Supported by Other Official Institutions, Cytotoxicity of diphtheria toxin-interleukin 3 fusion protein to primitive acute myeloid leukemia progenitors, 2004 - 2006

Metrics

Publication: 23

Citation (WoS): 267

Citation (Scopus): 282

H-Index (WoS): 8

H-Index (Scopus): 8

Congress and Symposium Activities

27. Ulusal Biyofizik Kongresi, Attendee, Malatya, Turkey, 2015

Non Academic Experience

İstanbul Üniversitesi