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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 dirence nitrik oksitin etkisi, Postgraduate, S.Ülkü(Student), 2013

Published journal articles indexed by SCI, SSCI, and AHCI

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

Erdag D., Koç S. N., Öksüzömer M. A. F., Yalçıntepe 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., Yalçıntepe 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.
Turkiye 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 Molekülsel Ve Hücresel Biyofizik**
Nurten A., Albeniz I., Yalçıntepe Güneştutar L., Akçakaya H., Bektaş M., Varol B., Özerman Edis B., Türker Şener L., Nurten R. (Editor)
İstanbul Tıp Kitabevi, İstanbul, 2014

II. **Molekülsel Makinaların Yapı ve İşlevi**
GÜNEŞTUTAR L.
in: Bütünleştirilmiş Molekülsel 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 Erytrocyte 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., 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 HUCRELERINDE INTERLOKIN 3 RESEPTOR ALT BIRIMLERININ EKSPRESYONUN, 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): 265
Citation (Scopus): 279
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