

Assoc. Prof. ENDER ŞİMŞEK

Personal Information

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Education Information

Doctorate, Thomas Jefferson University, United States Of America 1999 - 2005

Post Graduate, The American University, United States Of America 1996 - 1998

Under Graduate, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, Turkey 1988 - 1992

Research Areas

Health Sciences, Natural Sciences

Academic Titles / Tasks

Associate Professor, Ankara Yıldırım Beyazıt University, Tıp Fakültesi, Temel Tıp Bilimleri, 2018 - Continues

Assistant Professor, Ankara Yıldırım Beyazıt University, Tıp Fakültesi, Temel Tıp Bilimleri, 2011 - 2018

Assistant Professor, Sakarya Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2010 - 2011

Lecturer, Sakarya Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2008 - 2010

Expert, Drexel University, Tıp Fakültesi, Mikrobiyoloji Ve İmmünoloji, 2005 - 2007

Professional Experience

Assistant Director of the Institute, Yıldırım Beyazıt Üniversitesi, Sağlık Bilimleri Enstitüsü, 2012 - Continues

Vice Dean, Yıldırım Beyazıt Üniversitesi, Tıp Fakültesi, 2013 - 2016

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Do CO₂ and oxidative stress induce cancer?: a brief study about the evaluation of PON 1, CAT, CA and XO enzyme levels on head and neck cancer patients.**
Mutlu M., Korkmaz M. H. , Simsek E., Terzi E., Bedir B. E. , Uysal T. K. , Bayir O., Saylam G., Guler Ö.
Journal of enzyme inhibition and medicinal chemistry, vol.34, no.1, pp.459-464, 2019 (Journal Indexed in SCI Expanded)
- II. **Inhibition of cellular alpha-glucosidases results in increased presentation of hepatitis B virus glycoprotein-derived peptides by MHC class I.**
Simsek E., Sinnathamby G., Block T., Liu Y., Philip R., Mehta A., Norton P.
Virology, vol.384, pp.12-5, 2009 (Journal Indexed in SCI Expanded)
- III. **The degradation pathway for the HBV envelope proteins involves proteolysis prior to degradation via the cytosolic proteasome.**
Liu Y., Zhou T., Simsek E., Block T., Mehta A.
Virology, vol.369, pp.69-77, 2007 (Journal Indexed in SCI Expanded)

- IV. **A substituted tetrahydro-tetrazolo-pyrimidine is a specific and novel inhibitor of hepatitis B virus surface antigen secretion.**
Dougherty A, Guo H, Westby G, Liu Y, Simsek E, Guo J, Mehta A, Norton P, Gu B, Block T, et al.
Antimicrobial agents and chemotherapy, vol.51, pp.4427-37, 2007 (Journal Indexed in SCI Expanded)
- V. **The role of the downstream signal sequences in the maturation of the HBV middle surface glycoprotein: development of a novel therapeutic vaccine candidate.**
Liu Y, Simsek E, Norton P, Sinnathamby G, Philip R, Block T, Zhou T, Mehta A.
Virology, vol.365, pp.10-9, 2007 (Journal Indexed in SCI Expanded)
- VI. **Hepatitis B virus large and middle glycoproteins are degraded by a proteasome pathway in glucosidase-inhibited cells but not in cells with functional glucosidase enzyme.**
Simsek E, Mehta A, Zhou T, Dwek R, Block T.
Journal of virology, vol.79, pp.12914-20, 2005 (Journal Indexed in SCI Expanded)
- VII. **The alkylated imino sugar, n-(n-Nonyl)-deoxygalactonojirimycin, reduces the amount of hepatitis B virus nucleocapsid in tissue culture.**
Lu X, Tran T, Simsek E, Block T.
Journal of virology, vol.77, pp.11933-40, 2003 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Gebelikte enzimler: sitozolik karbonik anhidraz, katalaz, paraoksonaz 1 ve ksantin oksidaz düzeyleri**
ŞİMŞEK E., YAVUZ A. F., TERZİ E., UYSAL T. K., ÖZ BEDİR B. E., haqverdiyev e., ÖZENSOY GÜLER Ö.
Online Türk Sağlık Bilimleri Dergisi, vol.4, no.1, pp.79-93, 2019 (Refereed Journals of Other Institutions)
- II. **Enzymes During Pregnancy: Cytosolic Carbonic Anhydrase, Catalase, Paraoxonase 1 and Xanthine Oxidase Levels**
ŞİMŞEK E., YAVUZ A. F., TERZİ E., ÖZ BEDİR B. E., UYSAL T. K., haqverdiyev e., ÖZENSOY GÜLER Ö.
Online Türk Sağlık Bilimleri Dergisi, 2019 (Refereed Journals of Other Institutions)
- III. **How could we detect circulating tumor cells in lung cancer patients? A brief study by flow cytometry**
UYSAL T. K., ŞİMŞEK E., ÇARHAN A., ÖZENSOY GÜLER Ö.
Online Türk Sağlık Bilimleri Dergisi, 2018 (Refereed Journals of Other Institutions)
- IV. **Determination of Circulating Tumor Cells by Flow Cytometry in the Bladder Cancer Patients**
ERCAN E., ŞİMŞEK E., ÖZENSOY GÜLER Ö., CANDA A. E., ATMACA A. F., ÇARHAN A.
Urology and Andrology, vol.2, no.1, pp.25-30, 2018 (Refereed Journals of Other Institutions)
- V. **Determination of Circulating Tumor Cells in Peripheral Blood By Flow Cytometry**
ŞİMŞEK E., ÖZENSOY GÜLER Ö., ÇARHAN A., ersan b., ARKAN T. K., dilek y., ercan E., ÖZ B. E., TERZİ E., çalışır e., et al.
Niche, 2016 (Refereed Journals of Other Institutions)
- VI. **alpha-Glucosidase Inhibitors Have a Prolonged Antiviral Effect against Hepatitis B Virus through the Sustained Inhibition of the Large and Middle Envelope Glycoproteins**
ŞİMŞEK E.
ANTIVIRAL CHEMISTRY & CHEMOTHERAPY, vol.17, no.5, pp.259-267, 2006 (Refereed Journals of Other Institutions)
- VII. **Imino Sugars That are Less Toxic but More Potent as Antivirals In Vitro Compared with N n Nonyl DNJ**
ŞİMŞEK E.
ANTIVIRAL CHEMISTRY & CHEMOTHERAPY, vol.13, no.5, pp.299-304, 2002 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of Circulating Tumor Cells by Flow Cytometry in the Bladder Cancer Patients**
ERCAN E., ŞİMŞEK E., ÖZENSOY GÜLER Ö., ÇARHAN A.
TBS International Biochemistry Congress 2018, Muğla, Turkey, 26 - 30 October 2018
- II. **Detection of Circulating Tumor Cells (CTCs) in Various Types of Cancer**
TERZİ E., ŞİMŞEK E., ÖZ BEDİR B. E. , UYSAL T. K. , ERCAN E., ÇARHAN A., ÖZENSOY GÜLER Ö.
TBS International Biochemistry Congress 2018, Muğla, Turkey, 26 - 30 October 2018
- III. **The Importance of CTC Heterogeneity**
UYSAL T. K. , ŞİMŞEK E., ÖZ BEDİR B. E. , ERCAN E., TERZİ E., ÖZENSOY GÜLER Ö.
1st International Congress on Cancer and Ion Channels, 21 - 23 September 2017
- IV. **The Role of CTC Clusters in Metastasis**
ÖZ BEDİR B. E. , ŞİMŞEK E., UYSAL T. K. , TERZİ E., ERCAN E., ÖZENSOY GÜLER Ö.
1st International Congress on Cancer and Ion Channels, 21 - 23 September 2017
- V. **CTC Detection of Bladder Cancer Patients Before and After Surgery**
ERCAN E., ŞİMŞEK E., ÖZENSOY GÜLER Ö., ATMACA A. F. , CAND A. E. , ÇARHAN A.
1st International Congress on Cancer and Ion Channels, 21 - 23 September 2017
- VI. **Detection of Circulating Tumor Cells (CTCs) in Head and Neck Cancer Patients**
TERZİ E., ŞİMŞEK E., ÇARHAN A., ERCAN E., UYSAL T. K. , ÖZ BEDİR B. E. , ÖZENSOY GÜLER Ö.
1st International Congress on Cancer and Ion Channels, 21 - 23 September 2017
- VII. **Possible biomarkers for advanced stage laryngeal squamous cell carcinoma with lymph node metastasis**
Bayır Ö., AŞIK M. D. , SAYLAM G., Alparslan Pınarlı F., ÇADALLI TATAR E., Ünsal H., ŞİMŞEK E., Keseroğlu K., Öcal B., KORKMAZ M. H.
4th Congress of European ORL-HNS, 7 - 11 October 2017
- VIII. **Targeting Cancer Cells with Nanotechnology**
TERZİ E., ŞİMŞEK E., ÖZENSOY GÜLER Ö.
International DNA Day and Genome Congress 2017, 24 - 28 April 2017
- IX. **EXOSOMES: A NEW GENERATION DRUG DELIVERY VEHICLE IN CANCER**
ÖZ BEDİR B. E. , ŞİMŞEK E., ÖZENSOY GÜLER Ö.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, 24 - 28 April 2017
- X. **A NEW APPROACH: LIQUID BIOPSY (DETECTING CIRCULATING TUMOUR CELLS)**
UYSAL T. K. , ŞİMŞEK E., ÖZENSOY GÜLER Ö.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, 24 - 28 April 2017
- XI. **HOW COULD WE DETECT CIRCULATING TUMOUR CELLS?**
UYSAL T. K. , ŞİMŞEK E., ÖZENSOY GÜLER Ö.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, 24 - 28 April 2017
- XII. **Determining Cytosolic Carbonic Anhydrase Enzyme Levels During Pregnancy Terms**
TERZİ E., ŞİMŞEK E., YAVUZ A. F. , ÖZENSOY GÜLER Ö.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, 24 - 28 April 2017
- XIII. **CA-IX AND CA-XII ISOENZYMES: BIOMARKERS OF CANCER?**
ÖZ BEDİR B. E. , ŞİMŞEK E., ÖZENSOY GÜLER Ö.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, 24 - 28 April 2017
- XIV. **Woman in Science**
ÖZ B. E. , TERZİ E., ARKAN T. K. , ÇARHAN A., ŞİMŞEK E., ÖZENSOY GÜLER Ö.
1st International Women's Congress, 14 - 16 November 2016
- XV. **Women in Science**
ÖZ B. E. , TERZİ E., ARKAN T. K. , ÇARHAN A., ŞİMŞEK E., ÖZENSOY GÜLER Ö.
International Women's Congress, 14 - 16 November 2016
- XVI. **Being a Women in Science**
ÖZ B. E. , TERZİ E., ARKAN T. K. , ÇARHAN A., ŞİMŞEK E., ÖZENSOY GÜLER Ö.
1st Women's Congress, 14 - 16 November 2016

- XVII. **Microarray analysis of advanced stage laryngeal squamous cell carcinoma lymph node metastasis**
bayır ö., AŞIK M. D. , saylam g., çadallı tatar e., ünsal h., alpaslan pınarlı f., ŞİMŞEK E., özdek a., KORKMAZ M. H.
7th european Congress on Head Neck Oncology, 7-10 September 2016, Budapest, 7 - 10 September 2016
- XVIII. **Circulating tumor cells CTCs in peripheral blood liquid biopsy for cancer patients**
TERZİ E., ŞİMŞEK E., ÇARHAN A., dilek y., taşpınar r., devocioğlu b., ÖZENSOY GÜLER Ö.
The 41st FEBS Congress, 3 - 08 September 2016
- XIX. **the detection of circulating tumor cells in the peripheral blood samples of prostate cancer patients by flow cytometry before and after surgery**
taşpınar r., ŞİMŞEK E., ÇARHAN A., devocioğlu b., TERZİ E., dilek y., çalışır e., tiryaki m., pınarlı f., CANDA A. E. , et al.
41st FEBS Congress, 3 - 08 September 2016
- XX. **circulating tumor cells as liquid biopsy in larynx cancer**
devocioğlu b., ÖZENSOY GÜLER Ö., ÇARHAN A., taşpınar r., TERZİ E., dilek y., çalışır e., tiryaki m., pınarlı f., bayır ö., et al.
41st FEBS Congress, 3 - 08 September 2016
- XXI. **the detection of circulating tumor cell CTC s in patients with colorectal cancer by flow cytometry**
dilek y., ŞİMŞEK E., ÇARHAN A., TERZİ E., çalışır e., tiryaki m., pınarlı f., ÖZDEMİR N., ŞENER DEDE D., YALÇIN B., et al.
41st FEBS Congress, 3 - 08 September 2016
- XXII. **does circulating tumor cell use as a liquid biopsy detector**
ÖZ B. E. , ARKAN T. K. , ersan b., ercan E., yalçinkaya t., ŞİMŞEK E., ÇARHAN A., ÖZENSOY GÜLER Ö.
10th ISMRC International Symposium on Minimal Residual Cancer: Liquid Biopsy in Cancer Diagnostics and Treatment, 19 - 21 March 2016
- XXIII. **which cells are resistant to the cancer treatment circulating tumor cells CTC s or cancer stem cells CSC s**
ersan b., ARKAN T. K. , ÖZ B. E. , ercan e., altundağ m. k. , pınarlı f., güler g., ÖZENSOY GÜLER Ö., ÇARHAN A., ŞİMŞEK E.
10th ISMRC International Symposium on Minimal Residual Cancer: Liquid Biopsy in Cancer Diagnostics and Treatment, 19 - 21 March 2016
- XXIV. **A novel strategy for determining circulating tumour cells in lung cancer**
Arkan T. K. , ÖZ B. E. , Ersan B., Ercan E., ŞENDUR M. A. N. , Alparslan Pınarlı F., ŞİMŞEK E., ÇARHAN A., ÖZENSOY GÜLER Ö.
10th ISMRC International Symposium on Minimal Residual Cancer Liquid Biopsy in Cancer Diagnostic and Treatment, Hamburg, Germany, 19 - 21 March 2016, pp.73
- XXV. **Does circulating tumor cell used as a liquid biopsy detector**
ÖZ B. E. , Arkan T. K. , Ersan B., Ercan E., Yalçinkaya T., ŞİMŞEK E., ÇARHAN A., ÖZENSOY GÜLER Ö.
10th ISMRC International Symposium on Minimal Residual Cancer Liquid Biopsy in Cancer Diagnostic and Treatment, Hamburg, Germany, 19 - 21 March 2016, pp.74
- XXVI. **a noninvasive method for bladder cancer CTC detection with flow cytometry**
ercan E., ersan b., ARKAN T. K. , ÖZ B. E. , CANDA A. E. , pınarlı f., ŞİMŞEK E., ÖZENSOY GÜLER Ö., ÇARHAN A.
10th ISMRC International Symposium on Minimal Residual Cancer: Liquid Biopsy in Cancer Diagnostics and Treatment, 19 - 21 March 2016
- XXVII. **a novel strategy for determining circulating tumor cells in lung cancer**
ARKAN T. K. , ÖZ B. E. , ersan b., ercan E., ŞENDUR M. A. N. , pınarlı f., ŞİMŞEK E., ÇARHAN A., ÖZENSOY GÜLER Ö.
10th ISMRC International Symposium on Minimal Residual Cancer: Liquid Biopsy in Cancer Diagnostics and Treatment, 19 - 21 March 2016
- XXVIII. **The importance of the circulating tumor cells in cancer**
YALÇINKAYA T., ÖZ B. E. , ŞİMŞEK E., ÖZENSOY GÜLER Ö., ÇARHAN A.
10th ISMRC International Symposium on Minimal Residual Cancer: Liquid Biopsy in Cancer Diagnostics and Treatment, 19 - 21 March 2016
- XXIX. **Does CO2 make us fat A study on Turkish obese children to evaluate carbonic anhydrase levels**
ersan b., ARKAN T. K. , beyaztaş s., buluş a. d. , bitkay a., ŞİMŞEK E., ANDIRAN N., ARSLAN O., ÖZENSOY GÜLER Ö.

5th World Congress on Controversies to Consensus in Diabetes, Obesity and Hypertension (CODHy), 5 - 07
November 2015

- XXX. **Catalase carbonic anhydrase and xanthine oxidase activities in patients with mycosis fungoides**
TERZİ E., ÖZ B. E. , CENGİZ F. P. , Beyaztaş S., gökçe b., ARSLAN O., ŞİMŞEK E., ÖZENSOY GÜLER Ö.
39th FEBS 2014, 30 August - 04 September 2014

Citations

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