

Asst. Prof. Salih GENCER

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Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 2004 - 2009

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey 2002 - 2004

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Turkey 1998 - 2002

Dissertations

Doctorate, Mide kanserinde matriks metalloproteinaz (MMP) genlerinin ifadesi üzerine oksidatif stres ve RNA müdahalesinin etkisi, Inonu University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), 2009

Postgraduate, Vitreoscilla hemoglobin geni klonlanmış bakterilerde L-asparajinaz enziminin sentezi: Önemli bir kanser kemoterapi ajanı, Inonu University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 2004

Academic Titles / Tasks

Istanbul Medipol University, Uluslararası Tıp Fakültesi, 2019 - Continues

Uskudar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2016 - 2019

Research Assistant, Medial University Of South Carolina, College Of Medicine, Biochemistry And Molecular Biology, 2011 - 2016

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2003 - 2006

Courses

Scientific Method and Analysis, Undergraduate, 2019 - 2020

Medical Biology and Genetics, Undergraduate, 2019 - 2020

Biyomoleküllerde Ayrıştırma ve Saflaştırma Teknikleri, Postgraduate, 2018 - 2019

Genetik, Undergraduate, 2018 - 2019

İş İngilizcesi, Undergraduate, 2018 - 2019

Moleküler Hücre Biyolojisi, Undergraduate, 2018 - 2019, 2016 - 2017

Biyoteknolojiye Giriş, Postgraduate, 2018 - 2019

Recombinant DNA Technology, Undergraduate, 2018 - 2019

Moleküler Kanser Biyolojisi, Undergraduate, 2017 - 2018

Mikrobiyoloji, Undergraduate, 2017 - 2018

Advanced Molecular Techniques in Bioengineering, Undergraduate, 2017 - 2018

Enzimoloji, Postgraduate, 2017 - 2018

Molecular Biology of Cancer, Undergraduate, 2016 - 2017

Biyokimya, Undergraduate, 2015 - 2016

Advising Theses

Salih G., D-erythro-MAPP ve nanopartikül formülasyonunun meme kanseri hücrelerinde apoptoz ile ilişkili ölüm yollarının in-vitro ve in-vivo olarak araştırılması, Doctorate, H.İZGÖRDÜ(Student), 2022

Salih G., Farklı core-shell yapısındaki süperparamanyetik demir oksit nanoparçacıkların glioblastoma multiform (GBM) üzerindeki anti-kanser aktiviteleri, Postgraduate, T.ÖZTUZCU(Student), 2021

Published journal articles indexed by SCI, SSCI, and AHCI

I. Alterations of ceramide synthesis induce PD-L1 internalization and signaling to regulate tumor metastasis and immunotherapy response

Wofford W., Kim J., Kim D., Janneh A. H., Lee H. G., Atilgan F. C., Oleinik N., Kassir M. F., Saatci O., Chakraborty P., et al. Cell Reports, vol.43, no.8, 2024 (SCI-Expanded)

Articles Published in Other Journals

I. Impact of the Ceramide Metabolism on Primary Cilia Length and Tumor Metastasis in HNSCC Cells

GENCER S.

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.6, pp.213-221, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Investigating Side Effects of Existing Drugs Used in Covid-19 Treatment

Alhajj S., GENCER S.

12th IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining, ASONAM 2020, Virtual, Online, Netherlands, 7 - 10 December 2020, pp.803-810

II. Primary Cilia membranında lokalize olan TGF- β Reseptör I/II'xxün seramid tarafından regülasyonu ve tümör metastazının kontrolü

GENCER S., Öğretmen B.

XV. ULUSAL TIBBİ BIYOLOJİVE GENETİK KONGRESİ, Turkey, 26 - 29 October 2017

III. TGF-b receptor I/II trafficking and signaling at primary cilia are inhibited by ceramide to attenuate cell migration and tumor metastasis

GENCER S., Öğretmen B.

Organelle Biogenesis and Function in Cell Physiology and in Disease, Turkey, 27 - 28 May 2019

IV. Ceramide Regulates TGF- β Receptor I/II trafficking to the Primary Cilia by Stabilizing the Smad7-T β RI Complex to Attenuate Tumor Metastasis

GENCER S., Öğretmen B.

7. Multidisipliner Kanser Araştırma ve 1. Temel Onkoloji Kongresi, Turkey, 11 - 14 October 2018

V. TGF-b receptor I/II signaling at primary cilia membrane is regulated by ceramide to modulate cell migration

GENCER S., Öğretmen B.

28th EORTC-NCI-AACR Symposium on Molecular Targets and Cancer Therapeutics, 29 November 2016 - 02 December 2017

VI. TGF- β Receptor I/II Signaling at Primary Cilia Membrane is Regulated by Ceramide to Modulate Cell Migration

GENCER S., Öğretmen B.

5. MolBiyKon'xx17 Congress, Turkey, 8 September - 10 October 2017

VII. **Primer Cilia Membranında Lokalize olan TGB reseptör I/II'xxnin Seramid tarafından regülasyonu ve Tümör metastazının baskılanması**

GENCER S., Öğretmen B.

II. Lipid Araştırmaları Çalıştayı, Turkey, 07 October 2017

VIII. **TGF-β Receptor I/II Signaling at Primary Cilia Membrane is Regulated by Ceramide to Modulate Cell Migration**

GENCER S., Öğretmen B.

6th FEBS Advanced Lecture Course Matrix Pathobiology, Signaling and Molecular Targets, 25 - 30 May 2017

IX. **TGF-beta receptor I/II signalin at primer cilia membrane is regulated by ceramide to modulate cell migration**

GENCER S., Öğretmen B.

AACR International Conference on Translational Cancer Medicine, 4 - 06 May 2017

X. **TGF-beta receptor signaling at primary cilia membrane is regulated by ceramide to modulate cell migration**

GENCER S., Öğretmen B.

9th International Ceramide Conference, 1 - 05 May 2017

XI. **Ceramide is A Key Factor That Regulates The Crosstalk Between TGF-β and Sonic Hedgehog Signaling at The Basal Cilia To Control Cell Migration and Tumor Metastasis**

GENCER S., Oleinik N., Dany M., Öğretmen B.

ASBMB 2016 Annual Meeting, 2 - 06 April 2016

XII. **A Novel Signaling Pathway that Governs Tumor Metastasis: Ceramide Regulates Direct Crosstalk Between TGF-β and Sonic Hedgehog Signaling**

GENCER S., Öğretmen B.

EB Conference 2016, 2 - 06 April 2016

XIII. **Ceramide is a key factor that regulates the crosstalk between TGF beta and Sonic Hedgehog signaling at the basal cilia to control cell migration and tumor metastasis**

GENCER S., Oleinik N., Dany M., Helke K. L., Senkal C., Öğretmen B.

50th Annual Southeastern Regional Lipid Conference, 11 - 13 November 2015

XIV. **CERS4/CERAMIDE METABOLISM IN THE REGULATION OF TGF- BETA RECEPTOR SIGNALING AND TUMOR METASTASIS**

GENCER S., Senkal C., Ponussamy S., Oleinik N., Dany M., Selvam S., Oaks J., Öğretmen B.

International Ceramide Conference and Sphingolipid Club Joint Meeting, 6 - 10 May 2015

XV. **Regulation of TGF-Beta Receptor Signaling and Cell Migration by Ceramide Metabolism**

GENCER S., Senkal C., Ponnusamy S., Oleinik N., Selvam S., Dany M., Öğretmen B.

Experimental Biology Congress 2015, 28 March - 01 April 2015

XVI. **Matrix metalloproteinase Gene expressions and Oxidative stress in Gastric Cancer**

Irmak Yazıcıoğlu M. B., ÇEBECİ A., GENCER S.

Annals of Oncology, 12 - 16 June 2012

XVII. **Differential apoptotic, oxidative stress, and MMP-7 expression response of MKN-45 and 23132/87 gastric carcinoma cell lines to H₂O₂ exposure**

Irmak Yazıcıoğlu M. B., GENCER S.

European Biotechnology Congress (Current Opinion in Biotechnology), 28 September - 01 October 2011

XVIII. **Targeting MMP-3 Gene by siRNA transfection in Gastric Cancer AGS cells**

Irmak Yazıcıoğlu M. B., ÇEBECİ A., GENCER S.

4th International Congress of Molecular Medicine, 27 - 30 June 2011

XIX. **The role of MMP-3 in gastric tumor invasion**

GENCER S., AKBAŞ F.

FEBS Congress 2010, 26 June - 01 July 2010

XX. **Analysis of Wnt ligands and b-catenin in gastric tumors**

Sen G., GENCER S., Irmak Yazıcıoğlu M. B., Dogusoy G., Belli A. K., Paksoy M.

FEBS Congress 2008, 28 June - 03 July 2008

- XXI. **Noncanonical pathway stimulator Wnt5a is upregulated in gastric carcinoma**
GENCER S., Sen G., Irmak Yazıcıoğlu M. B., Dogusoy G., Belli A. K.
FEBS Congress 2008, 28 June - 03 July 2008
- XXII. **Expression of MMP-2 and MMP-9 in gastric cancer**
GENCER S., Irmak Yazıcıoğlu M. B., Dogusoy G., Belli A. K.
FEBS Congress 2008, 28 June - 03 July 2008
- XXIII. **Production of L-asparaginase, a chemotherapeutic enzyme, in bacteria expressing Vitreoscilla haemoglobin**
ATEŞ B., GENCER S., ERENLER A. Ş., UÇKUN M., ÖZER U., YILMAZ İ., GEÇKİL H.
FEBS Congress 2006, 24 - 29 June 2006
- XXIV. **Vitreoscilla hemoglobin expressing Enterobacter aerogenes and Pseudomonas aeruginosa respond differently to carbon catabolite and oxygen repression for production of L-asparaginase: an enzyme used in cancer therapy**
GENCER S., GEÇKİL H., UÇKUN M.
XVII. Biyoloji Kongresi, Turkey, 21 - 24 June 2004
- XXV. **Vitreoscilla Hemoglobin Geni Klonlanmış Enterobacter Aerogenesi'xin Çoğalma ve Antioksidant Karakteristikleri**
UÇKUN M., GEÇKİL H., GENCER S., KAHRAMAN H., ERENLER A. Ş.
17. Ulusal Biyoloji Kongresi, Turkey, 21 - 24 June 2004
- XXVI. **Vitreoscilla Hemoglobin Geni Klonlanmış Enterobacter aerogenes ve Pseudomonas aeruginosa'xda L-asparaginaz Üretimi: Kanser Kemoterapisinde Kullanılan Önemli Bir Enzim**
ATEŞ B., YILMAZ İ., GEÇKİL H., GENCER S., UÇKUN M.
II. Klinik Biyokimya ve Kanser Sempozyumu, Turkey, 16 - 18 April 2004
- XXVII. **Vitreoscilla Hemoglobin Geni Klonlanmış Bakterilerde Antineoplastik L-asparaginaz Enziminin Sentezi**
GENCER S., UÇKUN M., GEÇKİL H.
II. Klinik Biyokimya ve Kanser Sempozyumu, Turkey, 16 - 18 April 2004
- XXVIII. **Gram-negatif Bakterilerde L-asparaginaz Salınımı için Potasyum fosfat/hekzan Sulu Faz Sistemi ile Membran Permeabilizasyonu**
GEÇKİL H., ATEŞ B., YILMAZ İ., GENCER S., UÇKUN M.
II. Klinik Biyokimya ve Kanser Sempozyumu, Turkey, 16 - 18 April 2004