

Prof. HAYAT YURTER

Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Tıp Fakültesi, Tıbbi Biyoloji, Turkey 1987 - 1991

Post Graduate, Hacettepe Üniversitesi, Tıp Fakültesi, Temel Onkoloji, Turkey 1985 - 1987

Under Graduate, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji, Turkey 1980 - 1985

Foreign Languages

English, C1 Advanced

Research Areas

Life Sciences, Molecular Biology and Genetics, Genetic Disorders, Natural Sciences

Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2001 - Continues

Associate Professor, Hacettepe Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1995 - 2001

Assistant Professor, Hacettepe Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1992 - 1995

Research Assistant, Hacettepe Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1987 - 1992

Professional Experience

Head of Department, Hacettepe Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2011 - 2013

Courses

HÜCRE BİYOLOJİSİ, Post Graduate, 2016 - 2017, 2017 - 2018

Biyoinformatiğe giriş, Doctorate, 2017 - 2018

TIBBİ BİYOLOJİ, Under Graduate, 2016 - 2017, 2017 - 2018

moleküler biyolojide terminoloji, Post Graduate, 2016 - 2017, 2017 - 2018

Genetik Bilgi akışı, Doctorate, 2016 - 2017

Advising Theses

- YURTER H., Spinal mskler atrofi hastalığında grlen fenotipik eřitiliđin inslin benzeri byme faktrleri ve bađlayıcı protein dzeyleri ile iliřkisi, Doctorate, A.YEŐBEK(Student), 2017
- YURTER H., Polifenolik bileřiklerden resveratrol ve kurkuminin nrit boyu uzamasına etkisinin PC12 hcre hattında arařtırılması, Doctorate, G.BORA(Student), 2012
- YURTER H., SMN2 gen ifadesi zerinde kafeik asit ve btanoik asit ester trevlerinin etkisinin arařtırılması, Post Graduate, G.UZUNALLI(Student), 2010
- YURTER H., Histon deasetilaz 8 zgl inhibitrlerin in-vitro arařtırılması, Post Graduate, T.DENİZ(Student), 2010
- YURTER H., Spinal mskler atrofide (SMA) oksidatif stres yollarının aydınlatılması, Doctorate, A.SEVGİ(Student), 2010
- YURTER H., Histon deasetilaz inhibitr aktivitesinin florometrik yntemle gsterilmesi, Post Graduate, G.BORA(Student), 2006
- YURTER H., Spinal mskler atrofi'de RNA iřlenme hatasının ve tedavinin arařtırılması, Doctorate, D.DAYANGAÇ(Student), 2005
- YURTER H., Sistinri de molekler genetik incelemeler, Post Graduate, D.DAYANGAÇ(Student), 1999

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

- I. **MAP1B upregulation and its involvement of microtubule stability in spinal muscular atrophy**
BORA G., Hensel N., Rademacher S., Koyunoglu D., Sunguroglu M., Aksu-Menges E., Balci-Hayta B., Claus P., Erdem-Yurter H.
FEBS OPEN BIO, vol.9, pp.32, 2019 (Journal Indexed in SCI)
- II. **Effects of Arm Cycling Exercise in Spinal Muscular Atrophy Type II Patients: A Pilot Study.**
BORA G., Subasi-Yildiz Ő., Yesbek-Kaymaz A., BULUT N., Alemdaroglu I., Tunca-Yilmaz O., Topaloglu H., KARADUMAN A. A. , Erdem-Yurter H.
Journal of child neurology, vol.33, pp.209-215, 2018 (Journal Indexed in SCI Expanded)
- III. **Recent therapeutic developments in spinal muscular atrophy**
BORA G., YEŐBEK KAYMAZ A., Bekircan Kurt C. E. , HALİLOĐLU V. G. , TOPALOĐLU H. A. , Erdem Yurter H., ERDEM ZDAMAR S.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.48, pp.203-211, 2018 (Journal Indexed in SCI)
- IV. **Effects of Exercise on Low Density Lipoprotein Receptor Related Protein 5 Gene Expression in Patients With Postmenopausal Osteoporosis**
Kilic G., DAYANGAÇ ERDEN D., Erol O., Kilic E., KARA M., Erdem Yurter H., AKINCI A.
ARCHIVES OF RHEUMATOLOGY, vol.31, pp.314-320, 2016 (Journal Indexed in SCI)
- V. **Spinal muscular atrophy type III: Molecular genetic characterization of Turkish patients**
BORA-TATAR G., YESBEK-KAYMAZ A., BEKIRCAN-KURT C. E. , ERDEM-OZDAMAR S., Erdem-Yurter H.
EUROPEAN JOURNAL OF MEDICAL GENETICS, vol.58, pp.654-658, 2015 (Journal Indexed in SCI)
- VI. **Effects of flavonoid quercetin on survival of motor neuron gene expression**
Uzunalli G., Bora-Tatar G., Dayangac-Erden D., Erdem-Yurter H.
CELL BIOLOGY INTERNATIONAL, vol.39, pp.350-354, 2015 (Journal Indexed in SCI)
- VII. **Aryl butenoic acid derivatives as a new class of histone deacetylase inhibitors: synthesis, in vitro evaluation, and molecular docking studies**
Esiyok P. A. , Seven O., Eymur G., Tatar G. B. , DAYANGAÇ ERDEN D., YELEKÇİ K., YURTER H., DEMİR A. G.
TURKISH JOURNAL OF CHEMISTRY, vol.38, pp.338-344, 2014 (Journal Indexed in SCI)
- VIII. **Investigations of Curcumin and Resveratrol on Neurite Outgrowth: Perspectives on Spinal Muscular Atrophy**
Bora-Tatar G., Erdem-Yurter H.
BIOMED RESEARCH INTERNATIONAL, 2014 (Journal Indexed in SCI)
- IX. **Spinal muscular atrophy: An oxidative stress response counteracted with curcumin**

Kostel-Bal A. S. , Bora-Tatar G., Erdem-Yurter H.

FREE RADICAL BIOLOGY AND MEDICINE, vol.65, 2013 (Journal Indexed in SCI)

- X. **Carboxylic acid derivatives of histone deacetylase inhibitors induce full length SMN2 transcripts: a promising target for spinal muscular atrophy therapeutics**
Dayangac-Erden D., Bora-Tatar G., DALKARA S., DEMİR A. G. , Erdem-Yurter H.
ARCHIVES OF MEDICAL SCIENCE, vol.7, pp.230-234, 2011 (Journal Indexed in SCI)
- XI. **Power of inhibition activity screening and 3D molecular modeling approaches in HDAC 8 inhibitor design**
Tatar G. B. , Tokluman T. D. , YELEKÇİ K., YURTER H.
TURKISH JOURNAL OF CHEMISTRY, vol.35, pp.861-870, 2011 (Journal Indexed in SCI)
- XII. **Evaluation of the effects of vitamin D receptor and estrogen receptor 1 gene polymorphisms on bone mineral density in postmenopausal women**
Tanriover M. D. , Tatar G. B. , Uluturk T. D. , Erden D. D. , Tanriover A., Kilicarslan A., ÖZ Ş. G. , Yurter H., Sozen T., Guven G. S.
CLINICAL RHEUMATOLOGY, vol.29, pp.1285-1293, 2010 (Journal Indexed in SCI)
- XIII. **The Relationship between Vitamin D Receptor Gene Polymorphisms and Bone Density, Osteocalcin Level and Growth in Adolescents**
Ozaydin E., Dayangac-Erden D., Erdem-Yurter H., DERMAN O., COŞKUN T.
JOURNAL OF PEDIATRIC ENDOCRINOLOGY & METABOLISM, vol.23, pp.491-496, 2010 (Journal Indexed in SCI)
- XIV. **Molecular modifications on carboxylic acid derivatives as potent histone deacetylase inhibitors: Activity and docking studies**
Bora-Tatar G., Dayangac-Erden D., DEMİR A. G. , DALKARA S., Yelekci K., Erdem-Yurter H.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.17, pp.5219-5228, 2009 (Journal Indexed in SCI)
- XV. **Histone Deacetylase Inhibition Activity and Molecular Docking of (E)-Resveratrol: Its Therapeutic Potential in Spinal Muscular Atrophy**
Dayangac-Erden D., Bora G., Ayhan P., Kocafee C., DALKARA S., Yelekci K., DEMİR A. G. , Erdem-Yurter H.
CHEMICAL BIOLOGY & DRUG DESIGN, vol.73, pp.355-364, 2009 (Journal Indexed in SCI)
- XVI. **A preliminary report on spinal muscular atrophy lymphoblastoid cell lines: Are they an appropriate tool for drug screening?**
Dayangac-Erden D., Topaloglu H., Erdem-Yurter H.
ADVANCES IN THERAPY, vol.25, pp.274-279, 2008 (Journal Indexed in SCI)
- XVII. **Are lymphoblastoid cell lines suitable to study increased SMN gene expression by histone deacetylase inhibitors?**
DAYANGAÇ ERDEN D., Topaloglu H., YURTER H.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.38, pp.7-12, 2008 (Journal Indexed in SCI)
- XVIII. **Vitamin D receptor gene polymorphisms in Turkish children with vitamin D deficient rickets**
BORA G., Oezkan B., Dayangac-Erden D., Erdem-Yurter H., COŞKUN T.
TURKISH JOURNAL OF PEDIATRICS, vol.50, pp.30-33, 2008 (Journal Indexed in SCI)
- XIX. **Polymorphisms of vitamin D receptor gene in Turkish familial psoriasis patients**
Dayangac-Erden D., Karaduman A., Erdem-Yurter H.
ARCHIVES OF DERMATOLOGICAL RESEARCH, vol.299, pp.487-491, 2007 (Journal Indexed in SCI)
- XX. **MEDI 333-Histone deacetylase inhibition activity of resveratrol and its analogs**
Dayangac-Erden D., Ayhan P., BORA G., Yelekci K., DALKARA S., DEMİR A. G. , Erdem-Yurter H.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.234, 2007 (Journal Indexed in SCI)
- XXI. **COMP 297-Experimental and molecular docking simulation studies of Histone deacetylases (HDACs) enzyme inhibitors**
Yelekci K., BORA G., Dayangac-Erden D., Ayhan P., DALKARA S., DEMİR A. G. , Erdem-Yurter H.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.234, 2007 (Journal Indexed in SCI)
- XXII. **Analysis of the modifying effects of TAP 1/2 genes on cystic fibrosis phenotype**
Ozbas-Gerceker F., Ozcelik U., Kiper N., Anadol D., Gocmen A., Yilmaz E., Erdem-Yurter H., Ozguc M.
TURKISH JOURNAL OF PEDIATRICS, vol.44, pp.91-97, 2002 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Class I histone deacetylase inhibition by aryl butenoic acid derivatives: In silico and in vitro studies**
BORA G., SARI S., Taskor G., DALKARA S., Erdem-Yurter H.
JOURNAL OF RESEARCH IN PHARMACY, vol.23, pp.952-959, 2019 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Serum IGF1 and IGFBP3 levels in SMA patients**
Kaymaz A. Y. , Bal A., Bora-Tatar G., Ozon A., ALİKAŞİFOĞLU A., TOPALOĞLU H. A. , Erdem-Yurter H.
21st International Congress of the World-Muscle-Society, Granada, Nicaragua, 4 - 08 October 2016, vol.26
- II. **Microtubule-associated protein 1B is dysregulated in spinal muscular atrophy**
Bora-Tatar G., Rademacher S., Hensel N., Claus P., Erdem-Yurter H.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.28-29
- III. **Curcumin and neurite outgrowth: investigations for spinal muscular atrophy**
Tatar G. B. , Erdem-Yurter H.
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.523
- IV. **Phenolic compounds and their effect on full length and delta7 SMN2 transcripts**
Dayangac-Erden D., Bora-Tatar G., DALKARA S., Erdem-Yurter H.
16th International Congress of the World-Muscle-Society, Algarve, Portugal, 18 - 22 October 2011, vol.21, pp.685-686
- V. **Spinal muscular atrophy: oxidative stress modulating the pathogenesis?**
Kostel A. S. , Bora-Tatar G., Erdem-Yurter H.
4th ESF Conference on Functional Genomics & Disease, Dresden, Germany, 14 - 17 April 2010, vol.27

Supported Projects

- YURTER H., TUBITAK Project, Polifenolik Bileşiklerden Resveratrol ve Kurkuminin Nörit Boyu Uzamasına Etkisinin PC12 Hücre Hattında Araştırılması, 2013 - Continues
- YURTER H., BORA G., KOYUNOĞLU D., Project Supported by Higher Education Institutions, Survival Motor Nöron Protein Eksikliğinin Mikrotübül Pozitif Uç Proteinleri Üzerindeki Etkisinin Araştırılması, 2018 - 2019
- BORA G., YURTER H., Project Supported by Higher Education Institutions, NSC34 Hücre Hattında SMN Proteinini Eksikliğine Bağlı Mikrotübül Polimerizasyonunun Araştırılması, 2017 - 2018
- YURTER H., Project Supported by Higher Education Institutions, Spinal Müsküler Atrofi Tip III: Türk Hastaların Moleküler Genetik Analizleri, 2016 - 2017
- BORA G., ERDEM ÖZDAMAR S., YEŞBEK KAYMAZ A., YURTER H., TOPALOĞLU H. A. , Project Supported by Higher Education Institutions, MikrotübülAsosiye Protein 1B Gen İfadesinin Spinal Müsküler Atrofi Hastalığının Ciddiyeti Üzerindeki Etkisinin Araştırılması, 2015 - 2017
- YEŞBEK KAYMAZ A., BORA TATAR G., YURTER H., TALİM B., Project Supported by Higher Education Institutions, Spinal müsküler atrofi hastalarının iskelet kasında insülin benzeri büyüme faktörleri ve bağlayıcı protein düzeylerinin araştırılması, 2015 - 2016
- YURTER H., Project Supported by Higher Education Institutions, Spinal Müsküler Atrofi Hastalığında Görülen Fenotipik Çeşitliliğin İnsülin Benzeri Büyüme Faktörleri ve Bağlayıcı Protein Düzeyleri ile İlişkisi, 2014 - 2016
- YURTER H., Project Supported by Higher Education Institutions, PC12 Hücre Hattında Kurkumin ile İndüklenen Nörit Uzamasının Moleküler Mekanizmasının Araştırılması, 2013 - 2016
- BORA G., YURTER H., Project Supported by Higher Education Institutions, Spinal Müsküler Atrofi Hastalığında Kurkumin ve Resveratrolün Nörit Uzamasına Etkisinin Araştırılması, 2015 - 2015
- YURTER H., TUBITAK Project, Egzersizin postmenapozal osteoporozlu kadınlarda LRP5 gen ekspresyonuna olan etkisinin

arařtırılması, 2012 - 2014

YURTER H., TUBITAK Project, RNA Splicing Hatalarının Neden Olduđu Kalıtsal Hastalıklarda Potansiyel İlaç Adayı Bileşiklerin Arařtırılması, 2004 - 2009

Citations

Total Citations (WOS):264

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