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Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji, Turkey 2017 - 2024

Postgraduate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji, Turkey 2015 - 2017

Undergraduate, Middle East Technical University, Fen Edebiyat Fakültesi, Biyolojik Bilimler, Turkey 2009 - 2014

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, MEGAKONİYAL KONJENİTAL MÜSKÜLER DİSTROFİ HASTALIĞINDA MİTOKONDRI DİNAMİĞİNİN İNCELENMESİ, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji, 2017

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Medical Biology

Academic Titles / Tasks

Research Assistant, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Two distinct skeletal muscle microRNA signatures revealing the complex mechanism of sporadic ALS**
AKSU MENGEŞ E., Balci-Hayta B., Bekircan-Kurt C. E., Aydinoglu A. T., ERDEM ÖZDAMAR S., Tan E.
ACTA NEUROLOGICA BELGICA, vol.122, no.6, pp.1499-1509, 2022 (SCI-Expanded)
- Reduced mitochondrial fission and impaired energy metabolism in human primary skeletal muscle cells of Megaconial Congenital Muscular Dystrophy**
AKSU MENGEŞ E., Eylem C. C., NEMUTLU E., Gizer M., KORKUSUZ P., Topaloglu H., TALİM B., Balci-Hayta B.
SCIENTIFIC REPORTS, vol.11, no.1, 2021 (SCI-Expanded)

III. **The Common miRNA Signatures Associated with Mitochondrial Dysfunction in Different Muscular Dystrophies**

AKSU MENGEŞ E., Akkaya-Ulum Y. Z., DAYANGAÇ ERDEN D., Balci-Peynircioglu B., YÜZBAŞIOĞLU A., Topaloglu H., TALİM B., Balci-Hayta B.

AMERICAN JOURNAL OF PATHOLOGY, vol.190, no.10, pp.2136-2145, 2020 (SCI-Expanded)

IV. **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 (SCI-Expanded)

V. **Establishment of primary myoblast cell cultures from cryopreserved skeletal muscle biopsies to serve as a tool in related research & development studies**

Balci-Hayta B., Bekircan-Kurt C. E., AKSU MENGEŞ E., DAYANGAÇ ERDEN D., Tan E., ERDEM ÖZDAMAR S.

JOURNAL OF THE NEUROLOGICAL SCIENCES, vol.393, pp.100-104, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. **Organelle Positioning in Neurons and Skeletal Muscle Cells**

AKSU MENGEŞ E., KURAL MANGIT E., Bekircan-Kurt C. E., BORA G.

GAZI MEDICAL JOURNAL, vol.32, pp.341-347, 2021 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Differentially Expressed microRNA Profile in Skeletal Muscle Tissue of Sporadic ALS Patients**

Bekircan-Kurt C. E., AKSU MENGEŞ E., Balci-Hayta B., Aydinoglu A. T., Erdem-Ozdamar S., Tan E.

71st Annual Meeting of the American-Academy-of-Neurology (AAN), Pennsylvania, United States Of America, 4 - 10 May 2019, vol.92

II. **In-Silico Methods to Identify Common MicroRNAs and Pathways of Neuromuscular Diseases**

ÜNLÜ YAZICI M., AKSU MENGEŞ E., Ulum Y. Z. A., HAYTA B., Bakir-Gungor B.

27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019

Supported Projects

BALCI B., AKSU MENGEŞ E., KUMTEPE E. T., Project Supported by Higher Education Institutions, Mitokondri hasarı ile ilişkili miR-382-5p ve miR-409-3p'nin hedef genlerinin araştırılması, 2024 - Continues

KURT C. E., BALCI B., ERGÜL ÜLGER Z., ERDEM ÖZDAMAR S., TAN M. E., AKSU MENGEŞ E., BİLECEN K., Project Supported by Higher Education Institutions, Erişkin Charcot-Marie-Tooth Hastalığından Sorumlu Yeni GenPatolojik Varyasyonların Tanımlanması ve İşlevlerinin Araştırılması, 2023 - Continues

BALCI B., AKPINAR G., AKSU MENGEŞ E., TALİM B., KASAP M., Project Supported by Higher Education Institutions, Mitokondri Hasarı İle İlişkili Nöromusküler Hastalıklarda Mitokondriyal Protein İmport Mekanizmasının Araştırılması, 2021 - Continues

KOCAEFE Y. Ç., PEYNİRCİOĞLU B., YEŞBEK KAYMAZ A., AKKAYA ULUM Z. Y., GÜNTEKİN ERGÜN S., AKSU MENGEŞ E., AKBABA T. H., YURTER H., DİNÇER P. R., DAYANGAÇ ERDEN D., et al., Project Supported by Higher Education Institutions, Hücre Temelli Hastalık Modellerinin Geliştirilmesi ile İşlevsel Genombilim Araştırmalarının Etki Gücünün Arttırılması, 2022 - 2024

BALCI B., PEYNİRCİOĞLU B., AKSU E., ÖZMEN M., AKKAYA ULUM Z. Y., TOPALOĞLU H. A., YARIM-YÜKSEL M., DİNÇER P. R., DAYANGAÇ ERDEN D., BAKIR-GÜNGÖR B., et al., Project Supported by Higher Education Institutions, Nöromusküler Hastalıklarda Hedefe Yönelik Tedavide Mitokondriyal Mikro RNA Biyobelirteçlerinin Tanımlanması, 2017 - 2021

BALCI B., KURT C. E., AKSU E., AYDINOĞLU A. T., PEYNİRCİOĞLU B., Project Supported by Higher Education Institutions,

Metrics

Publication: 11

Citation (WoS): 8

Citation (Scopus): 23

H-Index (WoS): 1

H-Index (Scopus): 3