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Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri, Turkey 2012 - 2017

Postgraduate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji, Turkey 2008 - 2010

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji, Turkey 2003 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, İskelet Kası Dejenerasyonu Sürecinde Stromal Hücre Alt Gruplarının İncelenmesi, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Kök Hücre Bilimleri, 2017

Postgraduate, KAS DOKUSU TAMİRİNDE ÇÖZÜNEBİLİR FAKTÖRLERİN GEN İFADESİNİN İNCELENMESİ, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji, 2010

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Medical Biology

Academic Titles / Tasks

Lecturer PhD, Hacettepe University, Rektörlük-B, Rektörlük-M, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Circadian-based metabolomics and lipidomics of bone marrow adipose tissue and implications in myeloid leukemia pathogenesis: the crucial role of cell synchronization**
Muratoglu B., ÖZDEMİR SAKA C., Recber T., Eylem C. C., Nemutlu E., Uckan-Cetinkaya D.

FEBS OPEN BIO, pp.259, 2024 (SCI-Expanded)

- II. **Multiparametric analysis of etoposide exposed mesenchymal stem cells and Fanconi anemia cells: implications in development of secondary myeloid malignancy**
ÖZDEMİR SAKA C., Muratoğlu B., Özel B., ALPDÜNDAR BULUT E., Tonyalı G., ÜNAL S., Uçkan-Çetinkaya D.
Clinical and Experimental Medicine, vol.23, no.8, pp.4511-4524, 2023 (SCI-Expanded)
- III. **Pro-fibrogenic and adipogenic aspects of chronic muscle degeneration are contributed by distinct stromal cell subpopulations**
ÖZDEMİR SAKA C., Akçay D., Yöyen-Ermiş D., Taşkıran E. Z., Soylu-Kucharz R., ESENDAĞLI G., KOCAEFE Y. Ç.
PloS one, vol.18, no.7, 2023 (SCI-Expanded)
- IV. **Identification of mesenchymal stem cell subpopulations from bone marrow adipose tissue of Fanconi anemia and acute myeloid leukemia patients**
Ozdemir C., Muratoglu B., Tonyali G., Uckan-Cetinkaya D.
FEBS OPEN BIO, vol.12, pp.98, 2022 (SCI-Expanded)
- V. **Investigation of time-course and dose-dependent regulation of circadian clock genes with aryl hydrocarbon receptor-induced human bone marrow mesenchymal stem cells**
Muratoglu B., Ozdemir C., Ozmen E. B., Uckan-Cetinkaya D.
FEBS OPEN BIO, vol.12, pp.298, 2022 (SCI-Expanded)
- VI. **Alterations in Hematopoietic and Mesenchymal Stromal Cell Components of the Osteopetrotic Bone Marrow Niche**
Zeytin I. C., Alkan B., ÖZDEMİR SAKA C., ÇETİNKAYA F. D., OKUR F. V.
STEM CELLS TRANSLATIONAL MEDICINE, vol.11, no.3, pp.310-321, 2022 (SCI-Expanded)
- VII. **The investigation of mechanisms of secondary leukemia through etoposide exposed mesenchymal stromal cells**
Ozdemir C., Ozel B. N., Bulut E. A., Cetinkaya D. U.
FEBS OPEN BIO, vol.11, pp.424, 2021 (SCI-Expanded)
- VIII. **Osteopetrotic induced pluripotent stem cells derived from patients with different disease-associated mutations by non-integrating reprogramming methods**
OKUR F. V., Cevher I., ÖZDEMİR SAKA C., Kocaefe C., ÇETİNKAYA F. D.
STEM CELL RESEARCH & THERAPY, vol.10, 2019 (SCI-Expanded)
- IX. **The fibrogenic activation kinetics of stromal stem cells in three different skeletal muscle degeneration models**
Ozdemir C., Akçay D., Ermis D. Y., ESENDAĞLI G., Kocaefe C.
FEBS OPEN BIO, vol.8, pp.93, 2018 (SCI-Expanded)
- X. **GENERATION OF INDUCED PLURIPOTENT STEM CELLS FROM MESENCHYMAL STEM CELLS OF OSTEOPETROSIS PATIENTS BY TWO DIFFERENT INTEGRATION-FREE METHODS UNDER FEEDER-FREE CONDITIONS**
Okur F. V., Cevher I., Kilic E., Ozdemir C., Kocaefe C., Cetinkaya D. U.
CYTOTHERAPY, vol.20, no.5, 2018 (SCI-Expanded)
- XI. **Periostin is temporally expressed as an extracellular matrix component in skeletal muscle regeneration and differentiation**
OZDEMİR C., Akpulat U., SHARAFI P., YILDIZ Y., ONBAŞILAR İ., Kocaefe C.
GENE, vol.553, no.2, pp.130-139, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **The evaluation of telomere length and telomerase activity measurement in Neurofibromatosis type 1 NF1 tumors**
SHARAFI P., KILIÇ Z., ANLAR B., VARAN A., ERSOY EVANS S., VARGEL İ., YILDIRIM Ö., AYTER Ş.
Türk Hijyen ve Deneysel Biyoloji Dergisi, vol.80, no.3, pp.365-372, 2023 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Modeling Hematopoietic Niche in Osteopetrosis Using Patient-Derived Induced Pluripotent Stem Cells**
cevher i., Alkan B., ÖZDEMİR SAKA C., ÇETİNKAYA F. D., OKUR F. V.
ESGCT, Barcelona, Spain, 22 - 25 October 2019
- II. **Modeling haematopoietic niche in osteopetrosis using patient-derived induced pluripotent stem cells**
Cevher I., Alkan B., Ozdemir C., Cetinkaya D. U., Okur F. V.
ESGCT 27th Annual Congress in collaboration with SETGyc Meeting, Barcelona, Spain, 22 - 25 October 2019, vol.30
- III. **Characterization of the Cellular Localization and Expression of AEBP1/ACLP Transcripts with an Unknown Function in Myoblasts**
kılıç h. b., akçay d., sevim d., ÖZDEMİR SAKA C., KOCAEFE Y. Ç.
Molbiokon18 6th International Congress of the Molecular Biology Association of Turkey, 5 - 08 September 2018
- IV. **Characterization of the Cellular Localization and Expression of AEBP1/ACLP Transcripts with an Unknown Function in Myoblasts**
KILIÇ H. B., Akçay D., ÖZDEMİR SAKA C., KOCAEFE Y. Ç.
Molbiyokon'18, İzmir, Turkey, 05 September 2018
- V. **The Fibrogenic Activation Kinetics of Stromal Stem Cells in Three Different Skeletal Muscle Degeneration Models**
ÖZDEMİR SAKA C., AKÇAY D., YÖYEN ERMİŞ D., ESENDAĞLI G., KOCAEFE Y. Ç.
43rd FEBS CONGRESS, 7 - 12 July 2018
- VI. **Comparative Transcriptome Analysis of Distinct Stromal Cell Populations During Extracellular Matrix Remodeling in Skeletal Muscle**
ÖZDEMİR SAKA C., AKÇAY D., YÖYEN ERMİŞ D., TAŞKIRAN Z. E., ESENDAĞLI G., KOCAEFE Y. Ç.
13th Meeting of the Mediterranean Society of Myology, 27 - 29 June 2018, vol.37, pp.129-183
- VII. **GENERATION OF INDUCED PLURIPOTENT STEM CELLS FROM MESENCHYMAL STEM CELLS OF OSTEOPTROSIS PATIENTS BY TWO DIFFERENT INTEGRATION-FREE METHODS UNDER FEEDER-FREE CONDITIONS**
OKUR F. V., CEVHER İ., KILIÇ E., ÖZDEMİR SAKA C., KOCAEFE Y. Ç., ÇETİNKAYA F. D.
ISCT, 2 - 05 May 2018
- VIII. **AEBP1/ACLP is upregulated in differentiation, injury repair and fibrotic degeneration of skeletal muscle**
Ozdemir C., Akpulat U., Onbasilar I., Kocafe C.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.287
- IX. **Klf5 acts as a differentiation switch from proliferation to fusion in myoblasts**
Akpulat U., YILDIZ Y., Ozdemir-Saka C., Akcay D., Kocafe C.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.114

Supported Projects

- YALNIZOĞLU D., GÜNBEY C., ÖZDEMİR SAKA C., ÇETİNKAYA F. D., Muratoglu B., Project Supported by Higher Education Institutions, Pediatrik Epilepside Erken Senesens Biyobelirteçlerinin Değerlendirilmesi Gelişimsel ve Bilişsel Fonksiyonlar Üzerine Etkilerinin Belirlenmesi, 2022 - 2024
- OKUR F. V., ÇETİNKAYA F. D., ALP DÜNDAR BULUT E., ÖZDEMİR SAKA C., Project Supported by Higher Education Institutions, Akım sitometri ile kök hücre araştırmaları ve farklı kaynaklardan hücrelerin fonksiyonel analizleri, 2022 - 2023
- ÇETİNKAYA F. D., ÖZÇİMEN B., ÖZDEMİR SAKA C., Sevindi S., Muratoğlu B., Project Supported by Higher Education Institutions, İnsan Somatik Hücrelerinin Uyarılmış Plüripotent Kök Hücreye Yeniden Programlanması Sürecinde

Arilhidrokarbon Reseptörü Sinyalizasyonundaki Değişimlerin İncelenmesi, 2022 - 2023

ÇETİNKAYA F. D., Muratoğlu B., ÖZDEMİR SAKA C., Project Supported by Higher Education Institutions, Multiomiks yaklaşımı ile kemik iliği yağ-spesifik Arilhidrokarbon reseptörünün AhR sirkadiyen saat regülasyonundaki rolünün incelenmesi, 2021 - 2023

KOCAEFE Y. Ç., ÖZDEMİR SAKA C., ŞİMŞEK R., BORA G., DÖKMECİ S., Project Supported by Higher Education Institutions, Mezenkimal dokularda TGFB1 ve IGF1 faktörlerinin bir epigenetik düzenleyici olarak Klf5 kontrolündeki rolünün araştırılması, 2018 - 2021

ÖZDEMİR SAKA C., ÇETİNKAYA F. D., ALPDÜNDAR BULUT E., Project Supported by Higher Education Institutions, Topoizomeraz 2 inhibitörü Etoposidin Stromal Hücrelerin Dicer İfadesi Yönündeki Etkisinin Araştırılması, 2019 - 2020

KOCAEFE Y. Ç., TUBITAK Project, İskelet Kası Dejenerasyonunda Rol Oynayan Stromal Hücre Populasyonunun Karakterizasyonu, 2015 - 2016

Metrics

Publication: 21

Citation (WoS): 31

Citation (Scopus): 37

H-Index (WoS): 2

H-Index (Scopus): 2

Non Academic Experience

Technology Development Zone, THINKLAB Teknoloji

THINKLAB Teknolojik Hiz. Tic. Ltd.Şti

Technology Development Zone, Hemosoft bilişim eğitim hizmetleri a.ş, ARGE

HEMOSOFT Bilişim ve Eğitim Hiz. A.Ş.

Technology Development Zone, IDC SAVUNMA A.Ş, ARGE

IDC SAVUNMA SANAYİİ TİC. A.Ş