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International Researcher IDs

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Education Information

Doctorate, Hacettepe University, Tıp Fakültesi, Biyofizik, Turkey 2015 - Continues

Postgraduate, Hacettepe University, Tıp Fakültesi, Biyofizik, Turkey 2012 - 2014

Undergraduate, Middle East Technical University, Fen Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik, Turkey 2007 - 2012

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Cloning and determination of tissue specific expression pattern of *Astacus leptodactylus* Na⁺/Ca²⁺ exchanger gene, Hacettepe Üniversitesi, Tıp Fakültesi (İngilizce), Temel Tıp Bilimleri Bölümü, 2014

Research Areas

Information Systems, Communication and Control Engineering, Signal Processing, Life Sciences, Biophysics, Neurobiophysics, Molecular Biology and Genetics, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Hacettepe University, Tıp Fakültesi (İngilizce), Temel Tıp Bilimleri Bölümü, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Cloning and in silico investigation of a putative voltage-gated calcium channel gene and protein in *Astacus leptodactylus***
PURALI N., SAĞLAM B., ERGİN B., Beyatlı N. C., Arslan K., BAŞTUĞ T.
Turkish Journal of Biochemistry, vol.48, no.6, pp.675-681, 2023 (SCI-Expanded)
- II. **De novo cloning and functional characterization of potassium channel genes and proteins in the**

crayfish *Astacus leptodactylus* (Eschscholtz, 1823) (Decapoda: Astacidea: Astacidae)

ERGİN B., SAĞLAM B., TAŞKIRAN Z. E., BAŞTUĞ T., PURALI N.

JOURNAL OF CRUSTACEAN BIOLOGY, vol.42, no.1, 2022 (SCI-Expanded)

III. Functional analysis of AQP2 mutants found in patients with diabetes insipidus

KARADUMAN T., Ozcan Turkmen M., Ozer E., ERGİN B., SAĞLAM B., ERDEM TUNÇDEMİR B., MERGEN H.

BIOLOGIA, vol.76, no.9, pp.2767-2776, 2021 (SCI-Expanded)

IV. Cloning of a putative sodium/calcium exchanger gene in the crayfish

ERGİN B., PURALI N.

INVERTEBRATE NEUROSCIENCE, vol.18, no.3, 2018 (SCI-Expanded)

V. Effect of touch coordinate display as a form of augmented, concurrent visual feedback on the accuracy of single-handed typing via smartphone virtual keyboards

SOYLU A. R., YAVAŞ G., ERGİN B., Keceli S.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.3, pp.1724-1732, 2017 (SCI-Expanded)

VI. Comparison of the efficiency and relevancy of reference genes in crayfish tissue samples

ERGİN B., PURALI N.

TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.41, no.3, pp.144-149, 2016 (SCI-Expanded)

Articles Published in Other Journals

I. De Novo Cloning and Functional Characterization of a Mechanosensitive Piezo-Like Ion Channel in the Crayfish

ERGİN B., SAĞLAM B., Arslan K., COŞKUN BEYATLI N., TAŞKIRAN Z. E., BAŞTUĞ T., PURALI N.

Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology, vol.57, no.4, pp.226-237, 2023 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. Limb-Girdle Muscular Dystrophy 2R modelling in zebrafish to determine a novel mechanism related to desmin-lamin B interaction

KAYMAN KÜREKÇİ G., KURAL MANGIT E., ÜNSAL Ş., YERSAL N., ERGİN B., SAĞLAM B., DÜZ N., ÇINAR Z., TALİM B., KORKUSUZ P., et al.

Keystone Symposia, 11 - 15 November 2018

II. Disease Modeling in Zebrafish: Limb-Girdle Muscular Dystrophy 2R

ÜNSAL Ş., KAYMAN KÜREKÇİ G., KURAL MANGIT E., TALİM B., YERSAL N., ERGİN B., DÜZ N., ÇINAR Z., KORKUSUZ P., PURALI N., et al.

6th International Congress of the Molecular Biology Association of Turkey, Turkey, 5 - 08 September 2018, pp.5-6

III. Nefrojenik Diabetes İnsipidus'xxlu hastaların AQP2 geninde tespit edilen mutasyonların *Xenopus laevis* Oosit İfade sistemi ile fonksiyonel karakterizasyonu

KARADUMAN T., SAĞLAM E., SAĞLAM B., ERGİN B., ÖZCAN M., DENİZ F., ERDEM B., MERGEN H.

40. Türkiye Endokrinoloji ve Metabolizma Hastalıkları Kongresi, Turkey, 9 - 13 May 2018

IV. Modeling of a unique desmin mutation in zebrafish by using genome editing brings new insights into desmin function

KAYMAN KÜREKÇİ G., Koyunlar C., KURAL MANGIT E., TALİM B., ERGİN B., ÜNSAL İ., PURALI N., KORKUSUZ P., ERDEM ÖZDAMAR S., DİNÇER P. R.

European Human Genetics Conference, 27 - 30 May 2017

Supported Projects

PURALI N., ERGİN B., Project Supported by Higher Education Institutions, Kerevit (*Astacus leptodactylus*) Kalsiyuma bağlı Potasyum Kanalı geninin belirlenmesi ve moleküler özelliklerinin araştırılması, 2018 - 2021

PURALI N., ERGİN B., TAŞKIRAN Z. E., SAĞLAM B., Project Supported by Higher Education Institutions, Bir primer reseptör nöronda mekanoelektriksel çevrimden sorumlu yapılara ait genlerin klonlanması ve kodlanan proteinlerin moleküler özelliklerinin belirlenmesi, 2017 - 2020

SOYLU A. R., ERGİN B., YAVAŞ G., Project Supported by Higher Education Institutions, DOKUNMATİK EKRANA SAHİP BİR CİHAZ, 2015 - 2016

Metrics

Publication: 14

Citation (WoS): 2

Citation (Scopus): 2

H-Index (WoS): 1

H-Index (Scopus): 1