

## Res. Asst. Şeyma Akarsu

### Personal Information

Email: akarsuse@itu.edu.tr

### Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik, Turkey 2015 - Continues

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Other, Deneysel Hayvanları Kullanım Sertifikası, Boğaziçi Üniversitesi, 2018

### Research Areas

Life Sciences, Molecular Biology and Genetics, Neurobiology, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Fen-Edebiyat, Moleküler Biyoloji Ve Genetik, 2017 - Continues

Researcher, Drexel University, College of Medicine, Department of Neurobiology and Anatomy , 2019 - 2020

### Refereed Congress / Symposium Publications in Proceedings

- I. **Hereditary spastic paraplegia SPG4 is caused by gain-of-function cytotoxicity and exacerbated by haploinsufficiency**  
Piermarini E., Akarsu Ş., Connors T., Niceforo A., Kneussel M., Lane M. A. , Karabay Korkmaz A., Baas P. W. , Qiang L.  
ASCB, Maryland, United States Of America, 2 - 16 December 2020
- II. **Spastin dosage affects the vitality of vertebrate axons**  
Piermarini E., Akarsu Ş., Qiang L., Baas P. W.  
Discovery Day, Pennsylvania, United States Of America, 08 October 2020
- III. **Etiology investigation of HSP-SPG4 by isogenic hiPSC transgenic mouse model and derived neuronal model**  
Piermarini E., Niceforo A., Muralidharan H., Akarsu Ş., Baas P. W. , Qiang L.  
Discovery Day, Pennsylvania, United States Of America, 07 November 2019
- IV. **Physical interaction of septin3 p60 katanin and the role of septin3 Tau relation in this interaction**  
SUCU B., BARAN D., KIRIMTAY K., TEMİZCİ B., AKARSU Ş., KARABAY KORKMAZ A.  
41st FEBS Congress, Molecular and Systems Biology for a Better Life, 3 - 08 September 2016, vol.283, pp.428-441

## **Supported Projects**

Akarsu Ş., Karabay Korkmaz A., Project Supported by Higher Education Institutions, HSP Modelinde Spastin Proteininin Nöronal Rejenerasyon Üzerindeki Etkisinin İncelenmesi, 2018 - 2022

## **Scholarships**

YUDAB, YOK, 2019 - 2020

100/2000 Öncelikli Alanlar Doktora Bursu, YOK, 2017 - 2017