

## Res. Asst. PhD İlgin İşiltan

### Personal Information

Email: [isiltani@itu.edu.tr](mailto:isiltani@itu.edu.tr)

Web: <https://avesis.itu.edu.tr/isiltani>

### Education Information

Doctorate, Istanbul Technical University, Moleküler Biyoloji - Genetik Ve Biyoteknoloji, Moleküler Biyoloji - Genetik Ve Biyoteknoloji, Turkey 2016 - Continues

Doctorate, Bezmialem Vakif University, Health Sciences Institute, Biyoteknoloji Doktora Programı, Turkey 2015 - 2016

Postgraduate, Istanbul Technical University, Moleküler Biyoloji - Genetik Ve Biyoteknoloji, Moleküler Biyoloji - Genetik Ve Biyoteknoloji, Turkey 2012 - 2015

Undergraduate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2008 - 2012

### Dissertations

Postgraduate, Understanding the Interplay Between Anti-Apoptotic BAG-1 and AKT in mTORC1-Mediated Autophagy in Breast Cancer Cell Lines , Istanbul Technical University, Fen Bilimleri Enstitüsü, 2015

### 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, 2013 - Continues

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

### Refereed Congress / Symposium Publications in Proceedings

#### I. Motor-driven sliding and static crosslinking regulate the organization of axonal microtubules

Patil A., İşiltan I., Karabay Korkmaz A., Craig E. M., Baas P. W.

Cell Bio Virtual 2020 - An ASCB | EMBO Meeting, Maryland, United States Of America, 2 - 16 December 2020

#### II. Motor-driven sliding and static crosslinking regulate the organization of axonal microtubules

Patil A., İşiltan I., Karabay Korkmaz A., Craig E. M., Baas P. W.

Annual Day of Research Discovery, Pennsylvania, United States Of America, 08 October 2019

#### III. PRC1 and kinesin-1 add regulation to a dynein-driven mechanism of microtubule polarity-sorting in the axon

Patil A., İşiltan I., Baas P. W.

Philadelphia Society for Neuroscience (PSfN) Meeting, Pennsylvania, United States Of America, 02 May 2019

#### IV. A Putative Network of Interactions Controls the Opening and Closing Dynamics of the ATPase

### **Domain of E. Coli Hsp70, DNAk**

Dinler Doğanay G., Gunsel U., Kicik A., Avcilar I., Balta B., İşıltan I.

57th Annual Meeting of the Biophysical-Society, Pennsylvania, United States Of America, 2 - 06 February 2013,  
vol.104

### **V. Hydrophobic linker regulates ADP-release rate in the ATPase domain of DnaK**

Günsel U., Balta B., Avcilar İ., Kılıç A., İşıltan I., Dinler Doğanay G.

FEBS Special Meeting on Protein Quality Control and Ubiquitin System in Health and Disease, Aydin, Turkey, 14 - 16 November 2012

## **Supported Projects**

Karabay Korkmaz A., İşıltan I., Project Supported by Higher Education Institutions, Meteorin - p60 Katanın Etkileşiminin İncelenmesi, 2019 - Continues

## **Metrics**

Publication: 5