

## Res. Asst. PhD Işıltañ

### Personal Information

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### Education Information

Doctorate, İstanbul Teknik Üniversitesi, Moleküler Biyoloji - Genetik Ve Biyoteknoloji, Moleküler Biyoloji - Genetik Ve Biyoteknoloji, Turkey 2016 - Continues

Doctorate, Bezm-İ Âlem Vakıf Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyoteknoloji Doktora Programı, Turkey 2015 - 2016

Postgraduate, İstanbul Teknik Üniversitesi, Moleküler Biyoloji - Genetik Ve Biyoteknoloji, Moleküler Biyoloji - Genetik Ve Biyoteknoloji, Turkey 2012 - 2015

Undergraduate, İstanbul Teknik Üniversitesi, 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 , İstanbul Technical University, Fen Bilimleri Enstitüsü, 2015

### Research Areas

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

### Academic Titles / Tasks

Research Assistant, İstanbul 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., Işıltañ 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., Işıltañ 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., Işıltañ 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 Dođanay G., Günsel U., Kıcık A., Avcılar I., Balta B., Işıltan 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., Avcılar İ., Kıcık A., Işıltan I., Dinler Dođanay G.

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

**Supported Projects**

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