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International Researcher IDs

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Education Information

Doctorate, University College Dublin, Conway Institute, School Of Biomolecular And Biomedical Science, Ireland 2006 - 2011

Undergraduate, Halic University, Faculty Of Arts And Sciences, Moleküler Biyoloji, Turkey 2000 - 2005

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Using *Caenorhabditis elegans* to investigate the ciliary and molecular basis of Joubert syndrome-associated ARL-13 function and to uncover a novel ciliary role for kinesin-8, University College Dublin, Molecular Biology And Genetics, Biomolecular And Biomedical Science, 2011

Research Areas

Life Sciences, Molecular Biology and Genetics, Genetic Disorders, Genomics, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Abdullah Gul University, Yaşam Ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2018 - Continues

Assistant Professor, Abdullah Gul University, Yaşam Ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2015 - 2018

Academic and Administrative Experience

Courses

General Biology II, Undergraduate, 2021 - 2022
Human Genetics, Undergraduate, 2022 - 2023
Current topics in Molecular Biology, Undergraduate, 2021 - 2022
AGU ways, Undergraduate, 2022 - 2023
Stem Cells, Postgraduate, 2022 - 2023
Stem Cells, Undergraduate, 2022 - 2023
HUMAN MOLECULAR GENETICS , Postgraduate, 2019 - 2020
FOOD AND HEALTH , Undergraduate, 2018 - 2019
BIOLOGY FOR ENGINEERS I , Undergraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Matching variants for functional characterization of genetic variants**
ÇEVİK KAPLAN S., Zhao P., Zorluer A., Pir M. S., Bian W., KAPLAN O. İ.
G3: Genes, Genomes, Genetics, vol.13, no.12, 2023 (SCI-Expanded)
- II. **CiliaMiner: an integrated database for ciliopathy genes and ciliopathies**
Turan M. G., Orhan M. E., ÇEVİK KAPLAN S., KAPLAN O. İ.
Database : the journal of biological databases and curation, vol.2023, 2023 (SCI-Expanded)
- III. **ConVarT: a new search engine for orthologous variants for functional inference of human genetic variants**
Pir M. S., Bilgin H. I., Sayici A., Coskun F., Torun F. M., Zhao P., Kang Y., ÇEVİK KAPLAN S., KAPLAN O. İ.
EUROPEAN JOURNAL OF HUMAN GENETICS, vol.30, no.SUPPL 1, pp.504-505, 2022 (SCI-Expanded)
- IV. **ConVarT: a search engine for matching human genetic variants with variants from non-human species.**
Pir M. S., Bilgin H. I., Sayici A., Coşkun F., Torun F. M., Zhao P., Kang Y., Cevik S., Kaplan O. İ.
Nucleic acids research, vol.50, 2022 (SCI-Expanded)
- V. **Active Transport and Diffusion Barriers Restrict Joubert Syndrome-Associated ARL13B/ARL-13 to an Inv-like Ciliary Membrane Subdomain**
ÇEVİK KAPLAN S., Sanders A. A. W. M., Van Wijk E., Boldt K., Clarke L., van Reeuwijk J., Hori Y., Horn N., Hetterschijt L., Wdowicz A., et al.
PLOS GENETICS, vol.9, no.12, 2013 (SCI-Expanded)
- VI. **The AP-1 clathrin adaptor facilitates cilium formation and functions with RAB-8 in C. elegans ciliary membrane transport**
Kaplan O. İ., MOLLA-HERMAN A., Cevik S., GHOSSOUB R., Kida K., KIMURA Y., Jenkins P., Martens J. R., SETOU M., BENMERAH A., et al.
JOURNAL OF CELL SCIENCE, vol.123, no.22, pp.3966-3977, 2010 (SCI-Expanded)
- VII. **Joubert syndrome Arl13b functions at ciliary membranes and stabilizes protein transport in Caenorhabditis elegans**
ÇEVİK KAPLAN S., Hori Y., KAPLAN O. İ., Kida K., Toivenon T., Foley-Fisher C., Cottell D., Katada T., Kontani K., Blacque O. E.
JOURNAL OF CELL BIOLOGY, vol.188, no.6, pp.953-969, 2010 (SCI-Expanded)
- VIII. **Empirically controlled mapping of the Caenorhabditis elegans protein-protein interactome network**
Venkatesan K., Rua J. I., Vazquez A., Stelzl U., Lemmens I., Hirozane-Kishikawa T., Hao T., Zenkner M., Xin ., Goh K., et al.
NATURE METHODS, no.6, pp.47-54, 2009 (SCI-Expanded)
- IX. **An empirical framework for binary interactome mapping**
Simonis N., Rua J. I., Carvunis A., Tasan M., Lemmens I., Hirozane-Kishikawa T., Hao T., Sahalie J. M., Venkatesan K., Gebreab F., et al.
NATURE METHODS, no.6, pp.83-90, 2009 (SCI-Expanded)
- X. **Intraflagellar transport: from molecular characterisation to mechanism**

Blacque O. E., ÇEVİK KAPLAN S., KAPLAN O. İ.

FRONTIERS IN BIOSCIENCE-LANDMARK, vol.13, pp.2633-2652, 2008 (SCI-Expanded)

XI. Intraflagellar transport: from molecular characterisation to mechanism.

ÇEVİK KAPLAN S., BLACQUE O. E., KAPLAN O. İ.

FRONTIERS IN BIOSCIENCE, no.13, pp.2633-2652, 2007 (SCI-Expanded)

XII. Towards a proteome-scale map of the human protein-protein interaction network

Rua J. I., Venkatesan K., Hao T., Hirozane-Kishikawa T., Dricot A., Li N., Dreze M., Berriz G. F., Ayivi-Guedehoussou N., Gibbons F. D., et al.

NATURE, pp.1173-1178, 2005 (SCI-Expanded)

Articles Published in Other Journals

I. ConVarT: Search Engine for Missense Variants Between Humans and Other Organisms.

Pir M. S., Cevik S., KAPLAN O. İ.

Current protocols, vol.2, no.11, 2022 (Peer-Reviewed Journal)

II. Protocol for determining the average speed and frequency of kinesin and dynein-driven intraflagellar transport (IFT) in *C. elegans*.

Turan M. G., Kantarci H., Temtek S. D., Cakici O., Cevik S., KAPLAN O. İ.

STAR protocols, vol.3, no.3, pp.101498, 2022 (Peer-Reviewed Journal)

III. The Joubert syndrome protein CEP41 is excluded from the distal segment of cilia in *C. elegans*.

Cevik S., Kaplan O. İ.

microPublication biology, vol.2021, no.17912, 2021 (Peer-Reviewed Journal)

IV. Subcellular localization of the voltage-gated K⁺ channel EGL-36 , a member of the KV3 subfamily, in the ciliated sensory neurons in *C. elegans*.

Cevik S., Kaplan O. İ.

microPublication biology, vol.2021, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Cilia Biogenesis

ÇEVİK KAPLAN S.

Genie PI Meeting, 21 - 23 September 2017

II. Functional characterization of novel ciliary genes in *C. elegans*

Yenisert F., Ateş B., ÇEVİK KAPLAN S., KAPLAN O. İ.

International Molecular Biology Congress, 8 - 10 September 2017

III. The characterization of ARMC9, a Recently Identified Joubert Syndrome Gene, in Cilia Biogenesis

Artan E., Çiçek E., KAPLAN O. İ., ÇEVİK KAPLAN S.

International Molecular Biology Congress, 8 - 10 September 2017

IV. Hunt For Novel Genes Associated With Cilia Biogenesis/Ciliopathy

ÇEVİK KAPLAN S., Çiçek E., Gümüştöpe İ., KAPLAN O. İ.

Innovation In Medicine Meetings 3, 11 - 13 May 2017

V. *C. elegans*'ı Model Organizma Olarak Kullanarak Silyopati Hastalıklarının Araştırılması

ÇEVİK KAPLAN S.

II. Yaşam ve Doğa Bilimleri Konferansı, Turkey, 23 - 25 February 2017

Metrics

Publication: 22

Citation (WoS): 364

Citation (Scopus): 351

H-Index (WoS): 5

H-Index (Scopus): 5

Congress and Symposium Activities

Differential Requirements of Sequence Motifs and Ciliogenic/Ciliopathy Module Components in Restricting Joubert Syndrome-Associated ARL-13 to C. elegans Proximal Ciliary Compartments, Attendee, California, United States Of America, 2010

A homologue of Joubert syndrome-associated Arl13b regulates anterograde intraflagellar transport in C. elegans, Attendee, California, United States Of America, 2009

A homologue of Joubert syndrome-associated Arl13b regulates anterograde intraflagellar transport in C. elegans., Attendee, Dublin, Ireland, 2008

The GTPase Y37E3.5 is required for building normal Cilia Structure and Function, Attendee, Cork, Ireland, 2008