

MUSTAFA SAMET PIR

EDUCATION

- 2020
|
2017
- **M.Sc. Bioengineering**
Abdullah Gül University 📍 Kayseri, Turkey
 - Thesis: Characterization of novel ciliary gene tmem145
 - **B.S., Molecular Biology and Genetics**
Bilkent University 📍 Ankara, Turkey

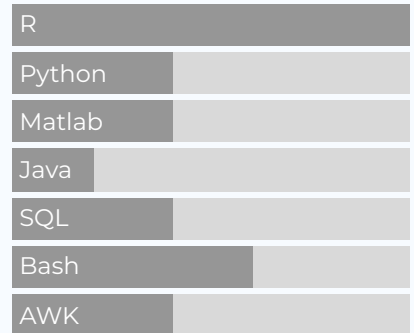
RESEARCH EXPERIENCE

- Current
|
2017
- **Research Assistant**
Kaplan Lab 📍 Abdullah Gül University
 - Curated, analysed and visualized the data for ConVarT, a search engine for matching human genetic variants with variants from non-human species.
 - Developed an integrative bioinformatics tool for predicting ciliary genes (CilioGenics) and a shiny app to explore the data from this tool (<https://ciliogenics.com/>)
 - Identified new ciliary genes from single cell data and functionally characterized them using *C. elegans* as a model organism.
 - **Undergraduate Researcher**
Seker Lab 📍 UNAM, Bilkent University
 - Design of whole cell urea and uric acid sensors in *E. coli*
 - **Undergraduate Researcher**
Laboratory of Molecular and Cellular Immunology (Fujita Lab) 📍 Kyoto University
 - Revealing biochemical properties of mouse MDA5 protein
- 2016
|
2015
- August,
2015
|
June,
2015

CONTACT

- ✉ mustafapir29@gmail.com
- 🐦 [MustafaPir29](https://twitter.com/MustafaPir29)
- 📄 github.com/mustafapir
- 🌐 [linkedin.com/in/mustafapir](https://www.linkedin.com/in/mustafapir)

LANGUAGE SKILLS



RS

Made with the R package
[pagedown](#).

Last updated on 2022-05-08.



TEACHING EXPERIENCE

2019
|
2019



Genetics class

Abdullah Gül University

📍 Kayseri, Turkey

- TA
- Lectured about molecular cloning applications
- Undergrad class

March,
16, 2019
|
March,
16, 2019



CRISPR/Cas9 workshop

Eskisehir University

📍 Eskisehir, Turkey

- Lectured
- Hands on demonstration of CRISPR/Cas9 in bacteria



ORAL & POSTER PRESENTATIONS

2021



ConVarT: a new search engine for orthologous variants for functional inference of human genetic variants

ESHG 2021 (European Human Genetics Conference)

- Pir et al.
- E-poster presentation

2021



ConVarT: a search tool for orthologous variants and functional inference of human genetic variants

20th BSCB GenSoc UK Cilia Network e-symposium

- Pir et al.
- Talk

2019



Functional Characterization of Joubert Syndrome Associated CEP41

7th International Congress of the Molecular Biology Association of Turkey

📍 Istanbul, Turkey

- Pir MS, Cevik S, Kaplan OI
- Poster presentation



FELLOWSHIPS AND AWARDS

2021



Conference Fellowship

- European Human Genetic Conference (ESHG)



PUBLICATIONS

- 2021 ● **ConVarT: a search engine for matching human genetic variants with variants from non-human species**
Nucleic Acids Research
- Mustafa S Pir, Halil I Bilgin, Ahmet Sayici, Fatih Coskun, Furkan M Torun, Pei Zhao, Yahong Kang, Sebiha Cevik, Oktay I Kaplan
 - <https://doi.org/10.1093/nar/gkab939>
- 2021 ● **WDR31 is a novel ciliopathy protein displaying functional redundancy with GTPase-activating proteins ELMOD and RP2 in recruiting BBSome to cilium**
Under-Review (Pre-print)
- Sebiha Cevik, Lama Alabdi, Xiaoyu Peng, Tina Beyer, Atiyye Zorluer, Mustafa S Pir, Ferhan Yeniser, Ranad Shaheen, Franziska Woerz, Felix Hoffmann, Betül Altunkaynak, Betül Pir, Karsten Boldt, Asli Karaman, Miray Cakiroglu, S Sadik Oner, Ying Cao, Marius Ueffing, Fowzan S Alkuraya, Oktay I Kaplan
 - <https://doi.org/10.1101/2021.06.10.445528>



REFERENCES

- **Oktay I. Kaplan, PhD**
- Assistant Professor
 - Faculty of Life Science
 - Abdullah Gül University
 - Kayseri, Turkey
 - E-mail: oktay.kaplan@agu.edu.tr
 - Phone: +90-541-716-5849
- **Takashi Fujita, Prof.**
- Professor
 - Institute for Virus Research
 - Kyoto University
 - 53 Shogoin Kawara-cho, Sakyo-ku, Kyoto 606-8507, Japan
 - E-mail: fujita.takashi.86e@st.kyoto-u.ac.jp
 - Phone: +81-75-751-4002
- **Sebiha Çevik, PhD.**
- Assistant Professor
 - Faculty of Life Science
 - Abdullah Gül University
 - Kayseri, Turkey
 - E-mail: sebihacevik@gmail.com
 - Phone: +90-352-224-8880