KADIR KOCABAŞ

BIOINFORMATICIAN
BIOMEDICAL EGNINEER

Address: Istanbul, Pendik, TURKEY
Mail: kocabaskadir@gmail.com
Phone: +90 534-841-9133

LANGUAGES

- TURKISH - NATIVE
- ENGLISH - FLUENT

CORE SKILLS

PYTHON	★★★★½
MATLAB	★★★★½
R	★★★★½
DATA SCIENCE	★★★★☆
MACHINE LEARNING	★★★★☆
DEEP LEARNING	★★★★☆
STATISTICS	★★★½☆

CERTIFICATES

COURSERA

- NEURAL NETWORKS AND DEEP LEARNING
- IMPROVING DEEP NEURAL NETWORKS: HYPERPARAMETER TUNING, REGULARIZATION AND OPTIMIZATION
- R PROGRAMMING
- GETTING AND CLEANING DATA
- THE DATA SCIENTIST'S TOOLBOX

UDEMY

- THE COMPLETE SQL BOOTCAMP 2020: GO FROM ZERO TO HERO

SUMMARY

I am a PhD student in Bioinformatics and Systems Biology at Gebze Technical University. I am a contributor to The COBRA Toolbox (Link1, Link2). I have experience in constraint-based mathematical modelling, machine learning, statistics and data analysis. As a highly self-motivated person, I like to improve myself and learn new things. I know how to research and I am good at finding information.

EXPERIENCE

Project Assistant
TUBITAK | 02.03.2021 - Current

120S824, Alzheimer Hastalığı İçin RNA-Seq Verilerinden Faydalanarak Kişiye Özel Moleküler Etkileşim Modelleri Geliştirilmesi ve Hastalık Mekanizmalarının Aydınlatılması

Project Assistant
TUBITAK | 02.12.2019 - 15.12.2020

315S302, Parkinson Hastalığı İçin Transkriptom Verilerinin ve Hücre İçi Ağyapıların Biyoinformatik Analizi: İlaç Hedefi ve İlaç Geliştirilmesi

Project Assistant
TUBITAK | 23.07.2019 - 01.12.2019

316S005, Metabolik Yolakların Kısıt-Tabanlı Modelleme Yaklaşımı ile İncelenmesi ile Klebsiella Pneumoniae ve Salmonella Enterica Kaynaklı Ölümcül Enfeksiyon Hastalıkları İçin Potansiyel İlaç Hedefi Tespiti, Uluslararası

EDUCATION

GEBZE TECHNICAL UNIVERSITY
PHD. | FEBRUARY 2021- CURRENT

BIOINFORMATICS AND SYSTEMS BIOLOGY

- MATHEMATICAL MODELLING OF BRAIN CELLS
- NLP - BIOLOGICAL DATA ANALYSIS - MACHINE LEARNING

GEBZE TECHNICAL UNIVERSITY
MSC. | JULY 2018- JANUARY 2021

BIOINFORMATICS AND SYSTEMS BIOLOGY

- MATHEMATICAL MODELLING OF BRAIN CELLS
- ANALYSIS OF PARKINSON DISEASE - ANALYSIS OF SALMONELLA
- BIOLOGICAL DATA ANALYSIS - MACHINE LEARNING - DECONVOLUTION

ERCIYES UNIVERSITY
MSC. | SEPTEMBER 2011 - JUNE 2016

BIOMEDICAL ENGINEERING

GRADUATION PROJECT: DEVELOPING NUTRITION APPLICATION FOR ANDROID PLATFORM

REFERANSLAR

Tunahan Çakır

Associate Professor at Gebze Technical University

Mail: tcakir@gmail.com

PUBLICATIONS

- KOCABAS K., ÇAKIR T. (2020). INTEGRATIVE ANALYSIS OF MULTI-CELLULAR GENOME-SCALE METABOLIC NETWORKS WITH CELL TYPE SPECIFIC TRANSCRIPTOME DATA PREDICTED BY DECONVOLUTION ALGORITHMS: APPLICATION TO PARKINSON'S DISEASE. POSTER SESSION PRESENTED AT THE ANNUAL MEETING OF INTERNATIONAL EURASIAN CONFERENCE ON BIOTECHNOLOGY AND BIOCHEMISTRY

- KOCABAŞ K., ÇAKIR T. (2019). IDENTIFICATION OF DRUG TARGET FOR SALMONELLA ENTERICA INDUCED INFECTIONS BY ANALYSIS OF INTEGRATED PATHOGEN HOST METABOLIC NETWORK. POSTER SESSION PRESENTED AT THE ANNUAL MEETING OF THE TÜRK TIP DÜNYASI KURULTAYI.

- KOCABAŞ K., ÇAKIR T. (2019). INTEGRATIVE ANALYSIS OF PATHOGEN HOST METABOLIC NETWORK OF SALMONELLA ENTERICA WITH DUAL RNA SEQ DATA. POSTER SESSION PRESENTED AT THE ANNUAL MEETING OF THE INTERNATIONAL SYMPOSIUM ON HEALTH INFORMATICS AND BIOINFORMATICS.