EVGENIIA CHIKINA

I am Bioinformatic Master student who previously graduated from Medical University

EDUCATION

Current 2020

M.S., Applied Mathematics and Informatics, Bioinformatics and System Biology

ITMO University

- Saint-Petersburg, Russia
- Thesis: Metabolic Modules Identification in Single-Cell Data
- Course Project: Identifying Metabolic Modules in TCGA Datasets
- Semester Project: Effects of Background RNA Noise on Differential Expression Results in scRNA-seq

2020 2014

Specialist, Medicine, Pediatrics

Saint-Petersburg State Pediatric Medical University

Saint-Petersburg, Russia

Pediatrician

RESEARCH PROJECTS

Current 2021

Metabolic Modules Identification in Single-Cell Data

ITMO University

Saint-Petersburg, Russia

- Thesis
- Main goal of the project is to extend applications of the GAM-clustering tool on the single-cell RNA-seq data. In order to find optimal clustering algorithm performed and analysed multiple clustering strategies for the single-cell RNAseq data. Used trajectories and gene set enrichment analysis for biological interpretation of the results. Involved in the modification of the tool.

2021 2021 **Identifying Metabolic Modules in TCGA Datasets**

ITMO University

Saint-Petersburg, Russia

- Course Project
- With previousy developed GAM-clustering algorithm analyzed TCGA datasets (LUSC) - bulk RNA-seq data. Identified metabolic modules and performed biological analysis of them. During work was involved in the modification of the tool and testing.

2020 2020 Effects of Background RNA Noise on Differential Expression Results in scRNA-seq

ITMO University

Saint-Petersburg, Russia

• Performed standart analysis of the single-cell data with Seurat pipeline and integration of multiple samples using SCTransform intgration. With help of DropletUtils R package identified ambient RNA and tried to estimate the impact of it on the differential expression results.

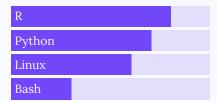
View this CV online with links at D:/CV

CONTACT

github.com/JaneChik

in evgenia_chikina

SKILLS



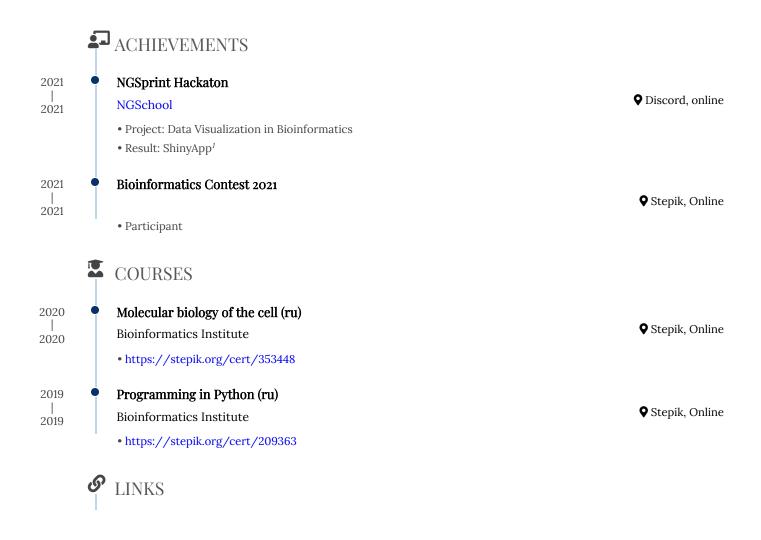
LANGUAGES

Russian	
English	
German	

Made with the R package pagedown.

The source code is available on github.com/nstrayer/cv. Modified source code for this CV is available

Last updated on 2022-03-02.



1. https://github.com/JaneChik/NGSprint_Hackathon-TCGA_RShinyApp