EVGENIIA CHIKINA

I am Bioinformatic Master student who previously graduated from Medical University. I use all my medical and biological knowledge to combine with the world of computer science. At the moment I have especially good knowledge and skills in analyzing RNA sequencing data. Now and in the future I try to develop and gain knowledge in various aspects of bioinformatics, in particular in such areas as: data science and machine learning, multi-omics data analysis.

View and download this CV with links at https://github.com /JaneChik/cv or here

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



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.



Identifying Metabolic Modules in TCGA Datasets

ITMO University

Saint-Petersburg, Russia

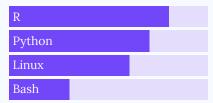
- Course Project
- With previousy developed GAM-clustering algorithm analyzed TCGA datasets (LUSC) - bulk RNA-seq data. Identified metabolic modules and performed biological analysis of them. During work was involved in the modification of the tool and testing.

CONTACT

github.com/JaneChik

in evgenia_chikina

SKILLS



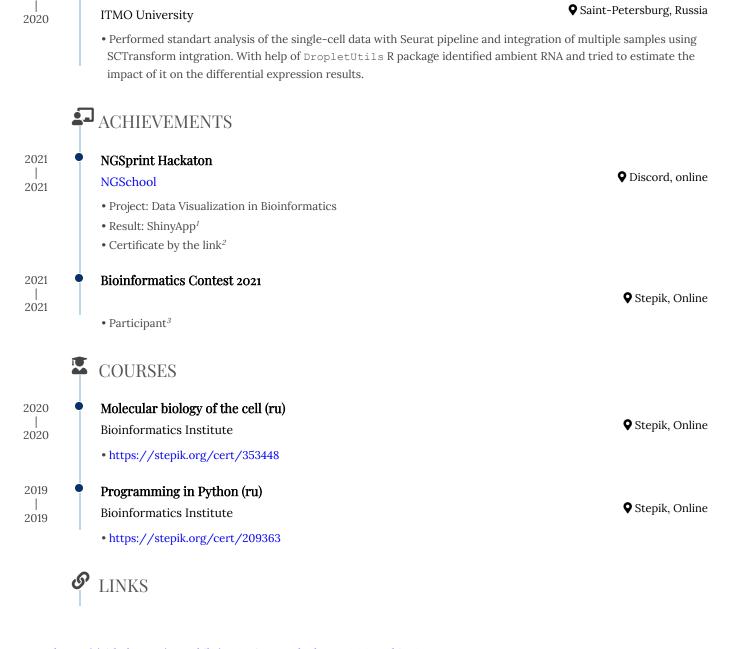
LANGUAGES

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 2022-03-03.



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

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

2020

- $2. \verb| https://drive.google.com/file/d/1PS_joxoZYsNmJzZyqR5xkMqH9ZiE5UrO/view?usp=sharing| \\$
- $3. \verb|filter| https://drive.google.com/file/d/1SEgIqYqY7m2tne_XPy9rAscXteFH957N/view?usp=sharing$