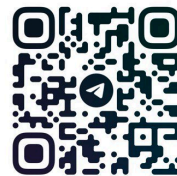


ANASTASIYA PUNKO



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EDUCATION

HIGHER SCHOOL OF ECONOMICS, MOSCOW. MASTER'S DEGREE, 2022 - 2024.

DATA ANALYSIS IN BIOLOGY AND MEDICINE

BELARUSIAN STATE UNIVERSITY, MINSK. BACHELOR DEGREE, 2014 - 2018.

BIOLOGICAL FACULTY, SPECIALIZATION: GENETICS

EMPLOYMENT

RESEARCHER, CENTER FOR ADVANCED TECHNOLOGIES ; TASHKENT. SEP2024 – JUN2025

Performing statistical analysis of genome wide association studies (GWAS); Used R, bash for data preparation and GWAS software for SNP analysis; Performed design, implementation, data management, and statistical analysis of clinical research studies; Data processing and plotting using R programming language.

RESEARCHER, MODELING & SIMULATION DECISIONS; MOSCOW. JAN 2023 - JUN 2024
Mathematical modelling of immunotherapy; Compilation of a database of published experiments; Reproduction of a mathematical model; Calibration of the model; Model simulation. Data processing and plotting using R programming language.

MOLECULAR DIAGNOSTIC SPECIALIST, TOSILENA; MINSK. OCT2021 - DEC2021

JUNIOR RESEARCHER, BELARUSIAN PEDIATRIC CENTER OF ONCOLOGY, HEMATOLOGY
AND IMMUNOLOGY; MINSK. APR 2017 - SEP 2022

Performing NGS and statistically analyzing the data with bioinformatics tools; Designing experiments, collecting data, working with control sets; Diagnosis of patients by various molecular-genetic methods: chimerism; minimal residual disease; diagnostics of brain tumors using the NGS panel; Writing and reporting results.

SKILLS

Bioinformatics: GWAS, NGS data analysis, SNP analysis

Programming & Data Analysis: R, Bash, Python

Mathematical Modeling: Monolix, PKPD, QSP

Machine Learning: Model development, dashboards, analytics systems

Statistics

Molecular Techniques: PCR, primer/probe design, Sanger & NGS sequencing

LANGUAGES

Russian (native)

English (B1)