

Emil Viesná

BIOINFORMATICIAN · SYSTEM ADMINISTRATOR · DEVELOPER

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"Bad choices make good stories."



Education

NSU (Novosibirsk State University), V. Zelman Institute for Medicine and Psychology

GENERAL PRACTITIONER

Novosibirsk, Russia

Sep. 2011 - June. 2022

Skills

Bioinformatics Tools	GATK, SAMtools, BEDtools, BWA, Bowtie2, HISAT2, Cutadapt, Juicer, Cooler
Programming	Python, C, C++, PHP, JavaScript, $\text{\LaTeX}$
System Administration	Linux (Ubuntu, Debian), Bash, SSH, PuTTY, Git, Nginx, Lighttpd, Apache, Squid
Security	TAILS, Tor, Privoxy, GnuPG, eCryptFS
Front-end	HTML5, CSS3, WordPress, PureCSS, Primer, Tabulator
Languages	English, Russian, German, Chinese

Experience

Institute of Cytology and Genetics, SB RAS

LAB TECHNICIAN

Novosibirsk, Russia

Jun. 2019 - present

- Research in genetics, molecular biology and bioinformatics.
- Processing, quality control and interpretation of new generation sequencing data (WGS, WES, ChIP-seq, Hi-C, Exo-C).
- Administration and security control of laboratory servers, bypass of blocks.
- Front-end and back-end development, as part of research projects.
- Bioinformatics tools development (Python, C, C++).

Articles

3DGenBench: a web-server to benchmark computational models for 3D Genomics

Nucleic Acids Research

BELOKOPYTOVA, P., VIESNÁ, E., CHILIŃSKI, M., QI, Y., SALARI, H., DI STEFANO, M., ESPOSITO, A., CONTE, M., CHIARIELLO, A. M.,

TEIF, V. B., PLEWCZYNSKI, D., ZHANG, B., JOST, D. & FISHMAN, V.

DOI: 10.1093/nar/gkac396

2022

A cookbook for DNase Hi-C

Epigenetics & Chromatin

GRIDINA, M., MOZHEIKO, E., VALEEV, E., NAZARENKO, L. P., LOPATKINA, M. E., MARKOVA, Z. G., YABLONSKAYA, M. I., VOINOVA,

V. Y., SHILOVA, N. V., LEBEDEV, I. N. & FISHMAN, V.

DOI: 10.1186/s13072-021-00389-5

2021

Analysis of Rare Variants in Genes Related to Lipid Metabolism in Patients with Familial Hypercholesterolemia in Western Siberia (Russia)

Journal of Personalized Medicine

SHAKHTSHNEIDER, E., IVANOSHCHUK, D., TIMOSHCHENKO, O., ORLOV, P., SEMAEV, S., VALEEV, E., GOONKO, A., LADYGINA, N. &

VOEVOVA, M.

DOI: 10.3390/jpm11111232

2021