



Svetlana Volkova

Skilled in data analysis, deep learning, and data integration. Have a vast experience in communication, project, and stakeholder management, and a good knowledge of academia, pharmaceutical and biotechnological industry.

Date of birth: 26 Nov 1993

Residency: Berlin, Germany, Work permit in Germany: Yes
+49 1629508241, svetlanavolkova.v@gmail.com

[LinkedIn](#) [Google Scholar](#)

Languages: English (business fluent), Russian (native),
German (basic), Danish (basic)

WORK EXPERIENCE

Founder's Associate – Cinference, Berlin, Germany

Jul 2022 – October 2022

- I applied to 3 Incubators with acceptance to all 3 programs.
- I made an analysis of different biotech and pharma markets, competitors and therapeutic needs and opportunities.
- I worked on portfolio development and the identification of new therapeutic targets. I identified new therapeutic leads for development.
- I worked on a PR strategy and website development. I designed both content and graphics, and made a new website for the company.
- I sourced candidates for research positions.

Ph.D. FELLOW – Novo Nordisk Foundation Center for Biosustainability (DTU Biosustain), Denmark

SEP 2017 – MAY 2022

I am a recipient of a PhD fellowship from the Copenhagen Bioscience PhD Programme.

Supervisor: Prof. Lars Keld Nielsen

- I developed and applied approaches to metabolomics data analysis with the help of mechanistic models. I used this approach to explain the metabolism of Red Blood Cells and aberrant metabolic phenotypes, like anemias.
- I did classical data analysis, deep learning, and dynamic analysis, constructed kinetic ODE models, and performed omics data integration.
- PhD committee. I was involved in taking care of the paperwork during PhD studies in our PhD school and the process of finding solutions to corner cases in student matters. I also participated in policy development and communication with other committees, PhD office and the Dean.

ANALYST – BOSTONGENE, Moscow, Russia

MAY 2016 – DEC 2016

I joined BostonGene at the very early stage as an Industrial Immersion intern during my Master's studies and continued as an Analyst. I was working on a Cancer Vaccines project. My responsibilities were: working together with software engineers to establish working pipelines, SNP/indels calling based on NGS data, variant filter (false positive variants detection) development and usage, variant annotation, and tumor neoantigen detection pipeline development.

EDUCATION

PHD IN BIOTECHNOLOGY – Technical University of Denmark (DTU Biosustain) SEP 2017 – MAY 2022

Due to formalities, PhD degree is expected to be awarded in January 2023
Thesis: Deep and Classical Kinetic Models

MASTER IN BIOTECHNOLOGY – Skolkovo Institute of Science and Technology SEP 2015 – JUN 2017, Diploma with distinction, GPA 5.0/5.0

Master program in Biotechnology with a strong emphasis on Entrepreneurship and Innovation.
Thesis: Validation of Egr2 as a target for RNAi-based suppression of liver fibrosis.

BACHELOR OF SCIENCE IN BIOLOGY – Lomonosov Moscow State University SEP 2011 – JUN 2015, With honours, GPA 4.9/5

Thesis: Deep sequencing-based identification of immediate-early genes set during activation of the central nervous system of *Helix lucorum*.

TECHNICAL SKILLS

- Data analysis and visualisation in Python, SQL, Mathematical Modelling, Advanced Machine Learning, Neural Networks, Optimisation and Linear programming, Bioinformatics
- Basic Wet lab skills
- Visualisation, Graphic design, Vector graphics, Presentation Design, illustrations, Adobe Illustrator, Affinity Designer

PUBLICATIONS, CONFERENCES

8 publications, 1 invited talk
See my [Google Scholar](#) page for details