Uladzislau Vadadokhau

Nationality: Belarusian   **Date of birth:** 21/02/1995   **Gender:** Male   📞 **Phone number:** (+36) 304483401

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📍 **Home:** Egyetem sgrt 37 1/6, 4032 Debrecen (Hungary)

WORK EXPERIENCE

Research Associate
CJS BIOCAD [09/2019 – 08/2022]

City: Moscow
Country: Russia
Name of unit or department: Genetic engineering department

- Was involved in support of pre-clinical trials of gene therapies (GLP).
- Performed DNA/RNA extraction from animal tissues and excrements.
- Performed qPCR and qPCR-RT for viral particles quantification in samples.
- Incorporated TECAN robotic platform for workflow automatization.
- Validated computerised system.
- Created 2 SOPs.

Best employee of 2020 for creation a software for research data processing using R programming language.
App repository: https://github.com/uladzislau21/qPCR-Data-Wizard

Biologist
National Anti-Doping Laboratory [04/2017 – 08/2017]

City: Minsk
Country: Belarus
Name of unit or department: Department of R&D in Doping Control

- Was an intern in period Sep 2014 - Apr 2017, then got officially employed.
- Performed samples preparation, equipment maintenance.
- Developed and optimized a method for recombinant erythropoietin purification from medicine.
- Developed a method for detection of recombinant erythropoietin by HPLC-MS.

EDUCATION AND TRAINING

Ph.D. student Molecular Cellular and Immune Biology
University of Debrecen [09/2022 – Current]

Address: Debrecen (Hungary)
Thesis: Cancer multiomics and the examination of malignancies using a system biology view

- Performed proteins isolation from serum sample with the following protein depletion and tryptic digestion.
- Performed BCA assay.
- Analysed samples by LC-MS in DIA mode.
- Analysed raw data with DIA-NN.

M.Sc. in Molecular Biology
University of Debrecen [09/2017 – 06/2019]

Address: Debrecen (Hungary)
Thesis: Expression, purification and investigation of retrotransposon-derived PEG10 protein

- Performed molecular cloning and recombinant protein production in bacterial system and its optimization.
- Performed affinity chromatography to purify produced protein.
- Mastered gel electrophoresis and western blot techniques.

B.Sc. in Biochemistry
International State Sakharov Environmental Institute of Belarusian State University, [09/2012 – 06/2017]

Address: Minsk (Belarus)

Thesis: Study of structural peculiarities of genetically engineered erythropoietin

- Performed preparation of buffers, samples, and running of general laboratory equipment.
- Performed purification of recombinant erythropoietin using ion-exchange chromatography.
- Used HPLC-MS (Agilent 6550 Q-TOF) method to analyse the structure of recombinant erythropoietin.

LANGUAGE SKILLS

Mother tongue(s): **Belarusian** | **Russian**

Other language(s):

English	**German**
LISTENING C1 **READING** C1 **WRITING** C1	**LISTENING** A1 **READING** A1 **WRITING** A1
SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1	**SPOKEN PRODUCTION** A1 **SPOKEN INTERACTION** A1

SKILLS

Lab skills

Molecular cloning / Expression and purification recombinant protein / Western blot / Gel electrophoresis / Affinity chromatography / HPLC / Mass spectrometry / DNA/RNA extraction / qPCR

Packages

shiny (R) / pandas / seaborn / scikit-learn / TensorFlow (basic) / numpy / matplotlib / ggplot2 / tidyverse

Data science

Machine learning / Calculus / Linear algebra / Probability theory / Statistics / Data visualisation / Exploratory data analysis / Computer vision (basic) / GraphPad Prism

Programming

Jupyter notebook / SQL / Python / Git / Bash / R

ADDITIONAL TRAINING

HelloAI (RIS)

[10/2022 – Current]

Application of AI to medical image processing.

Link: https://helloaionline.com

Specialist in Data Science (Yandex.Practicum)

[12/2021 – 10/2022]

- Acquired theoretical and practical experience in data science.
- Conducted 20 hands-on-projects on various topics.
- Performed the full workflow of data processing from acquirement of raw data to ML model performance assessment.

Selected projects:

- Age determination from photo (https://github.com/uladzislau21/YandexPracticum-projects/tree/main/cv)
- Study of the technological process of gold refining (https://github.com/uladzislau21/YandexPracticum-projects/tree/main/gold_proj)
- Model for car price prediction (https://github.com/uladzislau21/YandexPracticum-projects/tree/main/car_price)

Link: https://github.com/uladzislau21/YandexPracticum-projects