Varvara Lazarenko

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PERSONAL STATEMENT

I am a curious and dedicated graduate with a Master's degree in Medical Biology, driven by a passion for advancing healthcare through science. My experience spans both fundamental research and clinical trial development. With a solid biomedical background and a keen interest in sharing knowledge, I am motivated to learn new research methods and to grow within the clinical, pharmaceutical, or academic field.

EDUCATION

09/2022 – 08/2024 **MSc in Medical Biology – Radboud University, Nijmegen, The Netherlands**

- ✓ Specialisation: Science, Management and Innovation
- ✓ GPA result: **7.63/10.00**
- ✓ Principal subjects: Future of health, How Health Systems Work, Sustainable Innovation Management, Molecular and Cellular Neurobiology, Molecular Therapy, Trends in Stem Cell Biology
- ✓ Master thesis: «Potential added value of home telemonitoring technology in elderly care», GPA result: **8.00/10.00**

09/2016 – 06/2020 **BSc in Biology – Lomonosov Moscow State University (MSU), Moscow, Russia**

- ✓ Specialisation: Human and Animal Physiology
- ✓ GPA result: **4.83/5.00**
- ✓ Principal subjects: Human and animal physiology, Electrophysiology of excited cells, Physiology of central nervous and visceral systems, Physiology of circulation, Biochemistry, Immunology, Genetics, Microbiology, Embryology
- ✓ Skills: qPCR, RT-PCR, gel electrophoresis, wire myography, western blotting, ELISA,HPLC, microscopy, cell culture, immunohistochemistry, intracellular recording (microelectrodes, patch clamp), behaviour tests (open field test, elevated plus maze, light-dark box test)
- ✓ Bachelor thesis: «Role of TASK-1 channels in arterial tone regulation in different organs in rats», GPA result: **5.00/5.00**

WORK EXPERIENCE

10/2024 – current **Part-time staff while searching for a life sciences position**

Renato's Pizzeria – Nijmegen, The Netherlands

- ✓ Providing customer service
- ✓ Selling the restaurant's menu

02/2024 – 08/2024 **Intern at Digital Transformation of Rehabilitation Care**

HAN University of Applied Sciences – Nijmegen, The Netherlands

- ✓ Added value research of home telemonitoring in elderly care based on the HTA framework presented onto the Quadruple aim
- ✓ Deployment of surveys (22) in Dutch and interviewing (7) medical professionals in English on their home telemonitoring experience/attitude
- ✓ Cost-effectiveness analysis (Markov model cohort simulation) on home telemonitoring in the Netherlands

02/2023 – 08/2023 **Intern at Neuronal Networks of Memory**

Donders Institute – Nijmegen, The Netherlands

- ✓ *In vivo* Ca^{2+} imaging of the retrosplenial cortex in mice during head-fixed virtual social learning using two-photon microscopy
- ✓ Management of laboratory animals (GCaMP6 transgenic mice, handling & feeding, craniotomy)
- ✓ Computational analysis of the obtained data (Python, DeepLabCut)

| 08/2021 – 08/2022 | **Assistant at the Science Department of the Contract Research Organization LABMGMU, LLC – Moscow, Russia** |

- ✓ Developing designs, synopses, protocols, investigator's brochures for more than 35 phase I, II, III clinical trials and bioequivalence trials
- ✓ More than 30 user interviews (testing the readability of pharmaceuticals' package leaflets)
- ✓ Advising on the number & design of (pre-)clinical studies for pharma clients
- ✓ Project management (control of the deadlines; compliance with the sponsor's requirements)
- ✓ Computational analysis of the obtained data (STATISTICA, GraphPad Prism)

| 10/2020 – 10/2021 | **Junior Research Assistant at Faculty of Biology Lomonosov Moscow State University – Moscow, Russia** |

- ✓ Physiological experiments (wire myography technique, rat coronary and renal arteries)
- ✓ Molecular experiments (RNA extraction, reverse transcription, qPCR, western blotting)
- ✓ Cell and tissue culture experiments (cultivation of arteries in the presence of methoxamine, isoproterenol, and H2O)
- ✓ Management of laboratory animals (Wistar rats: housing, care, breeding)
- ✓ Statistical analysis of the obtained data (STATISTICA, GraphPad Prism)
- ✓ Project management (experiment and research strategy planning)
- ✓ Presentation of the results at the virtual conference ARTERY20, 23-24 October 2020, and at the Conference "Lomonosov-2021", 12-23 April 2021

SCIENTIFIC JOURNAL PUBLICATIONS

1. Shvetsova Anastasia A., **Lazarenko Varvara S.**, Gaynullina Dina K., Tarasova Olga S., Schubert Rudolf (2022). TWIK-Related Acid-Sensitive Potassium Channels (TASK-1) Emerge as Contributors to Tone Regulation in Renal Arteries at Alkaline pH. *Frontiers in physiology, 13*: 895863. https://doi.org/10.3389/fphys.2022.895863

2. **Lazarenko Varvara**, Shvetsova Anastasia, Gaynullina Dina, Schubert Rudolph (2020). TASK-1 Channels Play an Anticontractile Role in Rat Septal Coronary Artery Under Pharmacological Blockade of Endothelium. *Artery Research, 26*(S1): S58. https://doi.org/10.2991/artres.k.201209.048

3. Borzykh A.A., Kuzmin I.V., Kiryukhina O.O., Selivanova E.K., Shvetsova A.A., **Lazarenko V.S.**, Los-Arkos Uvarova S., Nesterenko A.M., Tarasova O.S. (2020). Voluntary running training of female rats during gestation: characteristics of an experimental model [in Russian]. *Aviakosmicheskaya i Ekologicheskaya Meditsina, 54*(2): 89–95. https://www.elibrary.ru/item.asp?id=42721639

CERTIFICATES

| 2023 | A FELASA accredited course on Laboratory Animal Science (EU function B) at Radboudumc |
| 2021 | An upgrade training on ICH guidelines on Good Clinical Practice (GCP) at LABMGMU |

ACADEMIC HONORS AND AWARDS

2022-2024	Awarded Orange Tulip Scholarship for the studies at Radboud University
2020-2021	Awarded MSU Increased State Academic Scholarship for scientific and academic achievements
2021	Second prize-winner in the Lomonosov Universiade on modern problems of biology

DIGITAL SKILLS

Python (beginner), DeepLabCut, STATISTICA, GraphPad Prism, Rotor-Gene Q Series, and MS Office softwares

LANGUAGES

Russian (native), English (fluent – C_2), German (intermediate – B_1-B_2), Dutch (low intermediate – A_2-B_1), French (beginner - A_1)

VOLUNTEERING ACTIVITY

2024	Mentorship of the international exchange and Master's students at the Radboud Intro
2023	Organization of the BBB Career Event 2023, Nijmegen
2022-2023	Organization of volleyball tournaments in the international volleyball group at Radboud
2018-2021	Mentorship of the first-year students at Faculty of Biology, MSU, Moscow

HOBBIES

Animals (horses & dogs), volleyball, reading, drawing, guitar playing, traveling