



# Varvara Lazarenko

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## PERSONAL STATEMENT

I am a highly motivated and hardworking graduate with a Master's degree in Medical biology. Having worked in fundamental research setting as well as in clinical trials development, I am passionate about translational research and societal aspects of healthcare innovations. With a strong biomedical foundation and a keen interest in disseminating knowledge, I envision a career in clinical research or consultancy.

## EDUCATION

- 09/2022 – 08/2024    **MSc in Medical Biology – Radboud University, Nijmegen, The Netherlands**
- ✓ Specialisation: Science, Management and Innovation
  - ✓ GPA 7.63/10.00
  - ✓ Principal subjects: Future of health, How Health Systems Work, Sustainable Innovation Management, Methods in Societal Research, Reaching the Sustainable Development Goals
  - ✓ Projects: «HTA of a Medical Guidance App for International Students in the NL»  
«A Shared Ownership Model of the Green Corridor, Nijmegen»  
«A Circular Alternative to Single-Use Cups Within the Dutch Train System»
  - ✓ Master thesis: «Potential added value of home telemonitoring technology in elderly care»
- 09/2016 – 06/2020    **BSc in Biology – Lomonosov Moscow State University (MSU), Moscow, Russia**
- ✓ Specialisation: Human and Animal Physiology
  - ✓ GPA 4.83/5.00
  - ✓ Principal subjects: Human and animal physiology, Electrophysiology of excited cells, Physiology of central nervous and visceral systems, Physiology of circulation, Microbiology, Genetics, Biochemistry, Biophysics, Immunology, Embryology
  - ✓ Skills: PCR, gel electrophoresis, wire myography, western blotting, ELISA, immunohistochemistry, intracellular recording (microelectrodes, patch clamp), behaviour testing (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»

## WORK EXPERIENCE

- 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<sup>2+</sup> imaging of the retrosplenial cortex in mice during head-fixed virtual social learning
  - ✓ Management of laboratory animals (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 >35 phase I, II, III clinical trials and bioequivalence trials
- ✓ >30 user interviews (testing the readability of pharmaceuticals' package leaflets)
- ✓ Advising on the number & design of (pre-)clinical studies for companies
- ✓ 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 (wire myography technique, rat coronary and renal arteries) and molecular (RNA extraction, reverse transcription, qPCR) experiments
- ✓ 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 [28th International Scientific Conference "Lomonosov-2021"](#), 12-23 April 2021

### DIGITAL SKILLS

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

### LANGUAGES

Russian (native), English (fluent – C<sub>2</sub>), German (intermediate – B<sub>1</sub>-B<sub>2</sub>), Dutch (low intermediate – A<sub>2</sub>-B<sub>1</sub>), French (beginner - A<sub>1</sub>)

### 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

### CERTIFICATES

- 2023        A course on ex. Art. 9 of the Dutch Act on animal experimentation, Radboudumc
- 2021        An upgrade training on ICH GCP guidelines, LABMGMU

### 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

Volleyball, reading, drawing, guitar playing, traveling

### 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>