



# Varvara Lazarenko

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**Date of birth** 29.12.1998 (25 years)

## PERSONAL STATEMENT

I am a recent graduate of the Medical Biology Master program in the specialisation Science, management & Innovation (SMI) at Radboud University. I am inspired by the societal and business aspects of biotech/medical innovations and enthusiastic about using scientific knowledge to create practical, real-world solutions in healthcare. With a strong biomedical foundation and a keen interest in business, I envision a career in business development, product management, health technology assessment (HTA), value assessment, and health economics.

## 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, Neurochemistry, Physiology of central nervous and visceral systems, Physiology of circulation
  - ✓ 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 and interviewing medical professionals on their home telemonitoring experience/attitude
  - ✓ Cost-effectiveness analysis 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)
  - ✓ 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 clinical trial design, synopses, protocols, investigator's brochures
- ✓ User interviews (testing the readability of pharmaceuticals' package leaflets)
- ✓ 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 and molecular biology experiments (wire myography, real-time PCR, western blot)
- ✓ Management of laboratory animals (Wistar rats)
- ✓ Statistical analysis of the obtained data (STATISTICA, GraphPad Prism)
- ✓ Project management (experiment and research strategy planning)
- ✓ Presentation of the results at two conferences (Oct, 2020; Apr, 2021)

## **DIGITAL SKILLS**

Python (beginner), DeepLabCut, STATISTICA and GraphPad Prism softwares

## **LANGUAGES**

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

## **VOLUNTEERING ACTIVITY**

- 2023          Organization of the BBB Career Event 2023, Nijmegen
- 2022-2023      Organization of volleyball tournaments in the international volleyball group at Radboud
- 2018-2021      Mentoring 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>