



Varvara Lazarenko

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Date of birth 29.12.1998 (26 years)
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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 societal aspects of healthcare innovations. With a strong biomedical foundation and a keen interest in sustainable healthcare, I envision a career in health technology assessment (HTA), value assessment, health economics, healthcare education 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, Physiology of secretory system, Introduction to endocrinology
- ✓ 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* Ca²⁺ 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 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)
- ✓ 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, GraphPad Prism, and MS Office softwares

LANGUAGES

Russian (native), English (fluent – C₂), German (intermediate – B₁-B₂), Dutch (low intermediate – A₂-B₁), French (beginner - A₁)

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>

РОССИЙСКАЯ ФЕДЕРАЦИЯ
RUSSIAN FEDERATIONМОСКОВСКИЙ
ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ
имени М.В.ЛОМОНОСОВАLOMONOSOV MOSCOW
STATE UNIVERSITY**ПРИЛОЖЕНИЕ
к ДИПЛОМУ**

AAM 1706415

**DIPLOMA
SUPPLEMENT**Российская Федерация,
119991, г. Москва,
Ленинские горы, д. 11 Leninskie Gory
Moscow 119991
Russian Federation<http://www.msu.ru>

НАСТОЯЩЕЕ ПРИЛОЖЕНИЕ К ДИПЛОМУ СООТВЕТСТВУЕТ МОДЕЛИ, РАЗРАБОТАННОЙ ЕВРОПЕЙСКОЙ КОМИССИЕЙ,
СОВЕТОМ ЕВРОПЫ И ЕВРОПЕЙСКИМ ЦЕНТРОМ ВЫСШЕГО ОБРАЗОВАНИЯ ЮНЕСКО.
THIS DIPLOMA SUPPLEMENT FOLLOWS THE MODEL DEVELOPED BY THE EUROPEAN COMMISSION,
COUNCIL OF EUROPE AND UNESCO/CEPES.

**1. СВЕДЕНИЯ О ЛИЧНОСТИ ОБЛАДАТЕЛЯ ДИПЛОМА /
INFORMATION IDENTIFYING THE HOLDER OF THE DIPLOMA**

1.1. Фамилия / Family name

Лазаренко
Lazarenko

1.2. Имя, отчество / Given name(s)

Варвара Сергеевна
Varvara

1.3. Дата рождения / Date of birth

29 декабря 1998 года
29 December 19981.4. Идентификационный номер или код студента /
Student identification number or code

05160044

1.5. Предыдущий документ об образовании или об образовании и о квалификации / Document confirming
previous education or previous education and qualificationАттестат о среднем общем образовании, выданный 24 июня 2016 года, N
07704000094635, Российская Федерация
Certificate of secondary general education, issued on 24 June 2016, N 07704000094635,
Russian Federation**2. СВЕДЕНИЯ О КВАЛИФИКАЦИИ / INFORMATION IDENTIFYING THE QUALIFICATION**

2.1. Наименование квалификации, дата присуждения / Name of qualification conferred, date of awarding

БАКАЛАВР
BACHELORРешение Государственной экзаменационной комиссии /
Decision of the State Examination Commission

23 июня 2020 года / 23 June 2020

2.2. Направление подготовки (специальность); профиль подготовки, наименование программы (специализация) /
Main field of study for the qualification; specializationНаправление подготовки: 06.03.01 Биология
Main field of study for the qualification: 06.03.01 Biology
Профиль подготовки: Физиология человека и животных
Specialization: Human and Animal Physiology2.3. Наименование, организационно-правовая форма и тип образовательной организации, выдавшей диплом /
Name and status of awarding institutionМосковский государственный университет имени М.В.Ломоносова, федеральное государственное бюджетное образовательное учреждение высшего образования
Lomonosov Moscow State University, Federal State Budgetary Educational Institution of Higher Education

2.4. Наименование, организационно-правовая форма и тип образовательной организации, осуществляющей обучение; период обучения / Name and status of institution administering studies; period of instruction

Московский государственный университет имени М.В.Ломоносова, федеральное государственное бюджетное образовательное учреждение высшего образования, 2016 - 2020.
Lomonosov Moscow State University, Federal State Budgetary Educational Institution of Higher Education, 2016 - 2020.

2.5. Язык(и) обучения (экзаменов) / Language(s) of instruction (examination)

Русский / Russian

3. СВЕДЕНИЯ О УРОВНЕ ОБРАЗОВАНИЯ / INFORMATION ON THE LEVEL OF EDUCATION

3.1. Уровень образования / Level of education Бакалавриат / Bachelor's programme

3.2. Срок освоения образовательной программы в очной форме обучения /
Length of full-time programme 4 года / 4 years

3.3. Требования к поступающим / Access requirement(s)

Документ установленного в соответствии с действующим законодательством образца о среднем общем образовании или среднем профессиональном образовании и успешное прохождение конкурсных вступительных испытаний
Document of secondary general education or secondary professional education approved by the legislation in force and successful passage of competitive entrance examinations

4. СВЕДЕНИЯ О СОДЕРЖАНИИ ОБРАЗОВАНИЯ И ПОЛУЧЕННЫХ РЕЗУЛЬТАТАХ / INFORMATION ON THE CONTENTS OF EDUCATION AND RESULTS GAINED

4.1. Форма обучения / Mode of study

Очная / Full-time

4.2. Описание образовательной программы / Programme description

Образовательная программа подготовки бакалавра по направлению «Биология» реализуется на биологическом факультете и направлена на подготовку высококвалифицированного бакалавра, обладающего фундаментальными знаниями в области биологии, способного поставить цель и сформулировать задачи, связанные с изучением животного и растительного мира на всех уровнях организации функционирования основных систем животных и растений и молекулярных механизмов биологических процессов. Выпускник овладел классическими и современными методами лабораторных исследований, современными информационными технологиями, получил навыки полевых исследований во время уникальных полевых практик. Выпускник подготовлен к научно-исследовательской, научно-производственной и педагогической деятельности.

Образовательная программа по профилю "Физиология человека и животных" реализуется на биологическом факультете. Целью программы является формирование высококвалифицированного специалиста, обладающего знаниями в области фундаментальной биологии, осуществляющего деятельность по исследованию функционирования различных систем организма человека и животных, а также регуляции соответствующих процессов. Выпускнику бакалавриата по профилю "Физиология человека и животных" присущи: владение навыками и методами анатомических, морфологических, гистологических, биохимических исследований на организменном, органном, тканевом и клеточном уровнях в целях решения физиологических задач; владение навыками исследований в области практической патофизиологии, сравнительной физиологии, нервно-мышечной физиологии, практической физиологии центральной нервной системы и висцеральных систем; знание физиологии нервной и гуморальной регуляции, основных закономерностей процесса обмена веществ, электрофизиологии возбудимых клеток, сердца и пейсмекерных систем организма, основ эндокринологии, физиологии центральной нервной системы, физиологии кровообращения; знание основ вальеологии, сравнительной физиологии нервной системы, сердечно-сосудистой системы и системы пищеварения; обладание глубокими фундаментальными знаниями строения, организации и работы всех систем жизнеобеспечения человека и животных; знание регуляторных механизмов, обеспечивающих гомеостаз живых систем, принципы системной организации, дифференциации и интеграции функций организма.

The Bachelor of Biology educational programme is implemented by the faculty of biology; its objective is to train highly qualified bachelors of biology with fundamental knowledge of natural science, able to set goals and formulate objectives for studying the structure and functions of plants and animals at all levels and to research molecular mechanisms of biological processes. The bachelors have learned classical and up-to-date techniques of laboratory research, cutting-edge information technologies and acquired skills of fieldwork during summer practice. The graduates are prepared to start their career in scientific research, science and technology or in education and training.

The Biological Faculty offers a program for a Bachelor of Science in Physiology. The students focus on human and animal physiology and study the functioning of various systems in human and animal organisms. Bachelor's Degree holders in Physiology possess the following competencies: skills necessary to conduct morpho-physiological, histological and biochemical research at various levels (organism, organ, tissue and cell), with regards to practical pathophysiology as well as comparative and neuromuscular physiology and practical physiology of the central nervous and visceral systems; knowledge of physiology of nervous and humoral regulation, major metabolic and endocrine processes, electrophysiology of cells, the heart and pacemaker systems as well as physiology of the central nervous system and circulatory physiology; knowledge of fundamental valeology and comparative physiology of the nervous, circulatory and digestion systems; profound knowledge of the structure and function of all human and animal life systems, regulation of their homeostasis, as well as organization, differentiation and integration of bodily functions.

Лазаренко Варвара Сергеевна / Lazarenko Varvara

4.3. Сведения о результатах освоения образовательной программы / Programme details and results gained

N	Наименование дисциплин (модулей) программы / Title of programme courses (modules)	Зачетные единицы / Общее количество часов (в том числе аудиторных) / Credits / Academic hours (including in-class hours)	Оценка / Mark
1	Английский язык / English language	8 / 288 (208)	отлично / excellent
2	Экономика / Economics	4 / 144 (60)	зачтено / passed
3	Философия / Philosophy	2 / 72 (24)	зачтено / passed
4	История / History	2 / 72 (24)	зачтено / passed
5	Отечественная история / History of Russia	2 / 72 (28)	зачтено / passed
	История и методология биологии / History and methodology of biology		
	Русский язык и культура речи / Russian language and standard of speech		
6	Русский язык / Russian language	2 / 72 (36)	зачтено / passed
7	Риторика / Rhetoric	2 / 72 (36)	зачтено / passed
8	Физическая культура / Physical training	2 / 72 (72)	зачтено / passed
9	Элективные курсы по физической культуре / Elective courses in physical training		зачтено / passed
10	Безопасность жизнедеятельности / Life safety	2 / 72 (36)	зачтено / passed
11	Биоэтика / Bioethics	4 / 144 (36)	зачтено / passed
	Современное естествознание / Modern natural sciences		
12	Геология / Geology	2 / 72 (36)	зачтено / passed
13	География / Geography	2 / 72 (36)	зачтено / passed
14	Почвоведение / Soil science	2 / 72 (24)	зачтено / passed
15	Проблемы современной биологии / Current challenges in biology	2 / 72 (36)	зачтено / passed
16	Клеточная биология / Cell biology	3 / 108 (90)	отлично / excellent
17	Охрана природы / Environment protection	2 / 72 (24)	зачтено / passed
	Математика / Mathematics		
18	Высшая математика / Higher mathematics	6 / 216 (198)	отлично / excellent
19	Математические методы в биологии / Mathematical methods in biology	3 / 108 (72)	хорошо / good
20	Физика / Physics	5 / 180 (150)	отлично / excellent
	Химия / Chemistry		
21	Общая и неорганическая химия / General and inorganic chemistry	4 / 144 (108)	отлично / excellent
22	Органическая химия / Organic chemistry	5 / 180 (156)	отлично / excellent
23	Аналитическая химия / Analytical chemistry	3 / 108 (72)	отлично / excellent
24	Физическая химия / Physical chemistry	3 / 108 (72)	хорошо / good
25	Коллоидная химия / Colloid chemistry	2 / 72 (24)	зачтено / passed
	Информатика / Computer science		
26	Биоинформатика / Bioinformatics	3 / 108 (60)	зачтено / passed
27	Математическое моделирование в биологии / Mathematical modelling in biology	2 / 72 (54)	отлично / excellent
	Зоология / Zoology		
28	Зоология беспозвоночных / Invertebrate zoology	5 / 180 (126)	хорошо / good
29	Зоология позвоночных / Zoology of vertebrates	4 / 144 (120)	хорошо / good
	Ботаника / Botany		
30	Микология и альгология / Mycology and phycology	4 / 144 (108)	отлично / excellent
31	Высшие растения / Higher plants	5 / 180 (120)	отлично / excellent
32	Микробиология с основами биотехнологии микроорганизмов / Microbiology and fundamentals of microbial biotechnology	5 / 180 (120)	отлично / excellent
33	Вирусология / Virology	2 / 72 (28)	отлично / excellent
34	Методы современной биологии / Modern methods in biology	2 / 72 (36)	зачтено / passed
35	Гистология / Histology	2 / 72 (60)	хорошо / good
36	Эмбриология / Embryology	3 / 108 (72)	отлично / excellent
37	Физиология человека и животных / Human and animal physiology	3 / 108 (90)	отлично / excellent
38	Физиология высшей нервной деятельности / Physiology of higher nervous activity	2 / 72 (28)	зачтено / passed

N	Наименование дисциплин (модулей) программы / Title of programme courses (modules)	Зачетные единицы / Общее количество часов (в том числе аудиторных) / Credits / Academic hours (including in-class hours)	Оценка / Mark
39	Физиология растений / Plant physiology	3 / 108 (90)	отлично / excellent
40	Основы молекулярной биологии / Foundations of molecular biology	2 / 72 (28)	отлично / excellent
41	Биофизика / Biophysics	5 / 180 (120)	хорошо / good
42	Генетика / Genetics	4 / 144 (120)	отлично / excellent
43	Иммунология / Immunology	3 / 108 (42)	хорошо / good
44	Теории эволюции / Evolution theories	3 / 108 (70)	отлично / excellent
45	Экология / Ecology	2 / 72 (36)	отлично / excellent
46	Антропология с основами анатомии / Anthropology and fundamentals of anatomy	2 / 72 (60)	зачтено / passed
47	Биохимия / Biochemistry	5 / 180 (126)	отлично / excellent
48	Практическая биология / Practical biology	8 / 288 (168)	зачтено / passed
49	Клиническая психология обыденной жизни / Clinical psychology of everyday life	1 / 36 (26)	зачтено / passed
50	Основы астрономии / The basics of astronomy	1 / 36 (30)	зачтено / passed
51	Обязательные дисциплины профиля / General obligatory courses Морфология центральной нервной системы / Morphology of central nervous system	2 / 72 (54)	отлично / excellent
52	Физиология висцеральных систем / Physiology of visceral systems and peptides	3 / 108 (96)	зачтено / passed
53	Патофизиология / Pathophysiology	2 / 72 (36)	зачтено / passed
54	Электрофизиология возбудимых клеток / Electrophysiology of excited cells	2 / 72 (56)	отлично / excellent
55	Введение в эндокринологию / Introduction to endocrinology	2 / 72 (56)	зачтено / passed
56	Физиология кровообращения / Physiology of circulation	2 / 72 (24)	отлично / excellent
57	Введение в общую физиологию / Introduction to general physiology	2 / 72 (54)	зачтено / passed
58	Частная физиология / Some chapters of physiology	2 / 72 (60)	отлично / excellent
59	Избранные разделы биохимии / Selected chapters of biochemistry	3 / 108 (84)	отлично / excellent
60	Физиология выделительной системы / Physiology of excretory system	2 / 72 (24)	отлично / excellent
61	Дисциплины профиля по выбору / Optional profile subjects Молекулярная электрофизиология сердца / Molecular electrophysiology of the heart	2 / 72 (60)	отлично / excellent
62	Практическая физиология висцеральных систем / Practical physiology of visceral systems	3 / 108 (72)	зачтено / passed
63	Практическая физиология центральной нервной системы / Practical physiology of the central nervous system	3 / 108 (84)	зачтено / passed
64	Сравнительная физиология центральной нервной системы и поведения / Comparative physiology of the central nervous system and behavior	1 / 36 (28)	зачтено / passed
65	Физиология центральной нервной системы / Physiology of central nervous system	1 / 36 (28)	зачтено / passed
66	Частная физиология дыхания / Some chapters of physiology of breathing	2 / 72 (48)	зачтено / passed
	Курсовые работы / Course papers: не предусмотрены / not required		
	Практики / Practical training:		
67	Учебная практика после 1-го курса / Summer practice after 1st year	12 / 432 (0)	отлично / excellent
68	Учебная практика после 2-го курса / Summer practice after 2nd year	12 / 432 (0)	отлично / excellent
69	Учебно-производственная практика после 3-го курса / Internship after 3rd year	12 / 432 (0)	отлично / excellent

N	Наименование дисциплин (модулей) программы / Title of programme courses (modules)	Зачетные единицы / Общее количество часов (в том числе аудиторных) / Credits / Academic hours (including in-class hours)	Оценка / Mark
70	Преддипломная / Pre-graduation	6 / 216 (0)	зачтено / passed
71	Итоговые государственные экзамены / Final State Examinations: Государственный экзамен по профилю "Физиология человека и животных" / State examination in Human and Animal Physiology	3 / 108 (0)	хорошо / good
72	Выполнение и защита итоговой квалификационной работы / Accomplishment and defence of final qualifying paper: Тема: "Вклад TASK-1 каналов в регуляцию тонуса артерий разных органов у крыс" / Subject: "Role of TASK-1 channels in arterial tone regulation in different organs in rats" ИТОГО / TOTAL	6 / 216 (0) 240 / 8640(4460)	отлично / excellent
1	Изучено студентом сверх учебного плана / Extracurricular courses: Частная физиология пищеварения / Some chapters of gastrointestinal physiology	2 / 72 (36)	зачтено / passed
2	Частная физиология сердечно-сосудистой системы / Some chapters of physiology of the cardiovascular system КОНЕЦ ТАБЛИЦЫ / END OF TABLE	4 / 144 (96)	зачтено / passed

N	Наименование дисциплин (модулей) программы / Title of programme courses (modules)	Зачетные единицы / Общее количество часов (в том числе аудиторных) / Credits / Academic hours (including in-class hours)	Оценка / Mark

4.4. Система оценок в Московском государственном университете имени М.В.Ломоносова / Grading scheme at Lomonosov Moscow State University
Приименяется следующая система оценок: «отлично», «хорошо», «удовлетворительно», «неудовлетворительно», а также «зачтено», «не засчитано»

The following grading scheme is adopted: "excellent" is the highest possible mark, "good" is the second passing mark, "satisfactory" is the lowest passing mark, "unsatisfactory" is a failure; for pass-or-fail examination "passed" or "failed" are the possible marks

4.5. Дополнительные сведения о дипломе / Overall classification of the diploma _____

ПОДПИСИ И ПЕЧАТИ / CERTIFICATION OF THE SUPPLEMENT

/ Ректор / Rector

Н.В.Гусев / N.V.Gusev

Декан / Dean

М.П.Кирпичников / M.P.Kirpichnikov

Секретарь / Secretary

Е.Е.Баскакова / E.E.Baskakova

ПРИЛОЖЕНИЕ
к ДИПЛОМУ

ААМ 1706415

DIPLOMA
SUPPLEMENT

05z-0224-21w

Регистрационный номер /
Registration number



30 июня 2020 года / 30 June 2020

Дата выдачи / Issued on

МА 3717926

5. ПРАВА, ПРЕДОСТАВЛЯЕМЫЕ ДИПЛОМОМ / RIGHTS AND PRIVILEGES GIVEN BY THE DIPLOMA

5.1. Возможность дальнейшего обучения / Access to further study

Присвоенная квалификация дает возможность продолжить обучение в магистратуре
Qualification conferred gives the right to continue education in Master's programme

5.2. Профессиональный статус / Professional status

Присвоенная квалификация дает право профессиональной деятельности в соответствии с уровнем образования и квалификацией
Qualification conferred gives the right to be employed at positions according to the level of education and qualification

6. ДОПОЛНИТЕЛЬНЫЕ СВЕДЕНИЯ /ADDITIONAL INFORMATION

Свидетельство о государственной аккредитации Московского государственного университета имени М.В.Ломоносова от 1 июня 2015 г. серия 90A01 N 0001389 / Certificate of State Accreditation for Lomonosov Moscow State University of 1 June 2015 series 90A01 N 0001389

Официальные названия Московского государственного университета имени М.В.Ломоносова:

– 22 октября 2014 года – Федеральное государственное бюджетное образовательное учреждение высшего образования Московский государственный университет имени М.В.Ломоносова.

Official names of Lomonosov Moscow State University:

– October 22, 2014 – Federal State Budgetary Educational Institution of Higher Education Lomonosov Moscow State University.

7. СВЕДЕНИЯ О СИСТЕМЕ ОБРАЗОВАНИЯ В РОССИЙСКОЙ ФЕДЕРАЦИИ / INFORMATION ON THE SYSTEM OF EDUCATION IN THE RUSSIAN FEDERATION

Выдержка из Конституции Российской Федерации

Статья 43

1. Каждый имеет право на образование.
2. Гарантируются общедоступность и бесплатность дошкольного, основного общего и среднего профессионального образования в государственных или муниципальных образовательных учреждениях и на предприятиях.
3. Каждый вправе на конкурсной основе бесплатно получить высшее образование в государственном или муниципальном образовательном учреждении и на предприятии.
4. Основное общее образование обязательно. Родители или лица, их заменяющие, обеспечивают получение детьми основного общего образования.
5. Российская Федерация устанавливает федеральные государственные образовательные стандарты, поддерживает различные формы образования и самообразования.

*Выдержка из Федерального закона «Об образовании
в Российской Федерации» от 29 декабря 2012 года N 273-ФЗ*

Статья 10. Структура системы образования

2. Образование подразделяется на общее образование, профессиональное образование, дополнительное образование и профессиональное обучение, обеспечивающие возможность реализации права на образование в течение всей жизни (непрерывное образование).
3. Общее образование и профессиональное образование реализуются по уровням образования.
5. В Российской Федерации устанавливаются следующие уровни профессионального образования:
 - 1) среднее профессиональное образование;
 - 2) высшее образование — бакалавриат;
 - 3) высшее образование — специалитет, магистратура;
 - 4) высшее образование — подготовка кадров высшей квалификации.

Excerpt from the Constitution of the Russian Federation

Article 43

1. Everyone shall have the right to education.
2. General access and free pre-school, secondary and secondary vocational education in State and municipal educational institutions and at enterprises shall be guaranteed.
3. Everyone shall have the right to receive on a competitive basis free higher education in State and municipal educational institutions and at enterprises.
4. Basic general education shall be compulsory. Parents or guardians shall ensure that children receive a basic general education.
5. The Russian Federation shall establish federal State educational standards and shall support various forms of education and self-education.

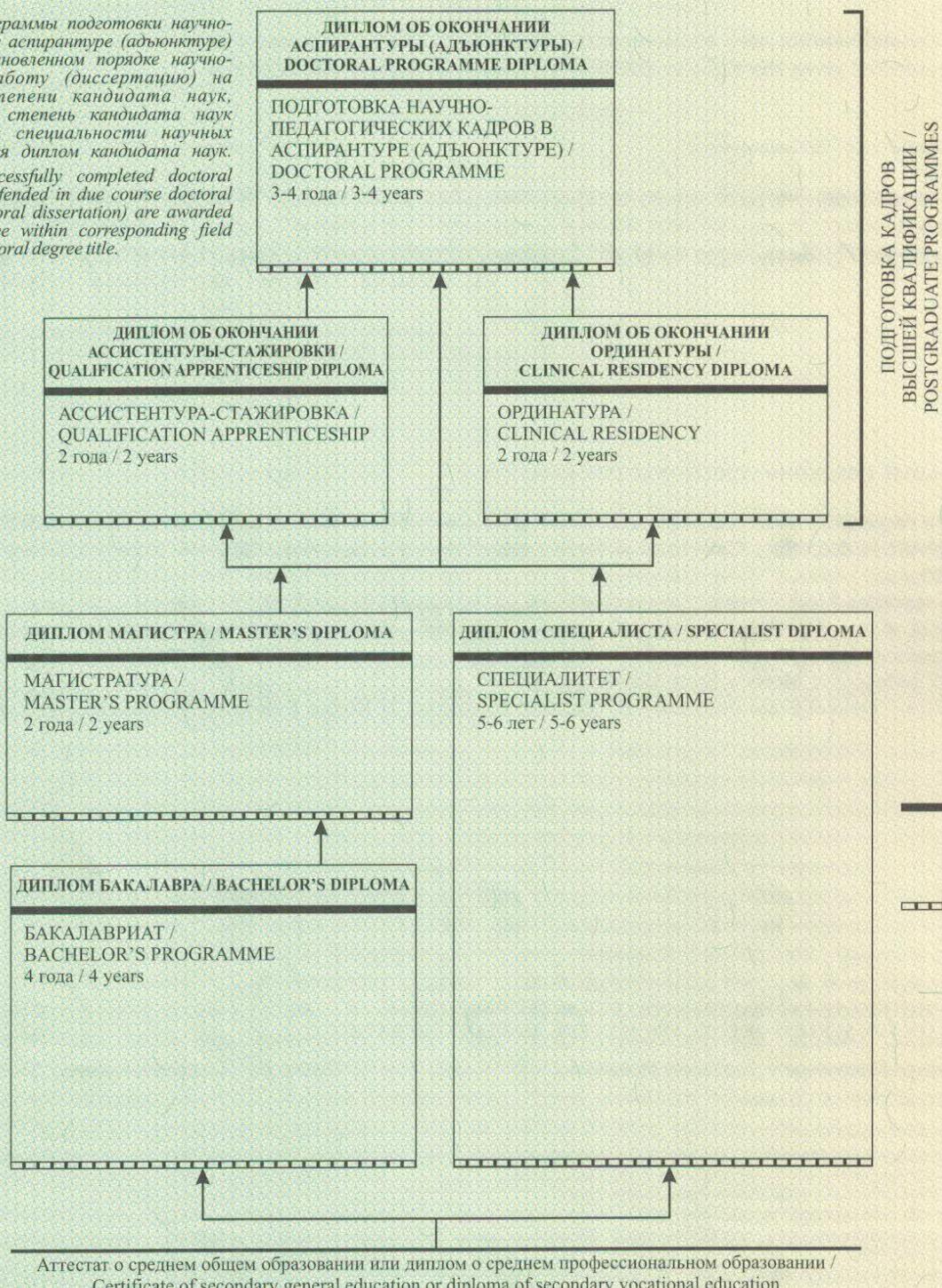
*Excerpt from the Federal Law «On Education in the
Russian Federation» of 29 December 2012 N 273-FZ*

Article 10. Structure of the system of education

2. Education comprises general education, vocational education, additional education, and vocational training providing an opportunity to realise the right for lifelong education (continuing education).
3. General education and vocational education are implemented by levels.
5. In the Russian Federation the following levels of vocational education are established:
 - 1) secondary vocational education;
 - 2) higher education — bachelor's programme;
 - 3) higher education — specialist programme, master's programme;
 - 4) higher education — postgraduate programmes.

Лицам, освоившим программы подготовки научно-педагогических кадров в аспирантуре (адъюнктуре) и защитившим в установленном порядке научно-квалификационную работу (диссертацию) на соискание ученой степени кандидата наук, присваивается ученая степень кандидата наук по соответствующей специальности научных работников и выдается диплом кандидата наук.

Persons who have successfully completed doctoral programmes and have defended in due course doctoral qualification paper (doctoral dissertation) are awarded doctoral academic degree within corresponding field which is confirmed by doctoral degree title.



ПОДПИСИ И ПЕЧАТИ / CERTIFICATION OF THE SUPPLEMENT

Ректор / Rector

Н.В.Гусев / N.V.Gusev

Декан / Dean

М.П.Кирпичников / M.P.Kirpinichnikov

Секретарь / Secretary

Е.Е.Баскакова / E.E.Baskakova

ПРИЛОЖЕНИЕ
к ДИПЛОМУ

ААМ 1706415

DIPLOMA
SUPPLEMENT

05z-0224-21w

Регистрационный номер /
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30 июня 2020 года / 30 June 2020

Дата выдачи / Issued on



МА 3717926

MASTER DIPLOMA SUPPLEMENT

Preface

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of this supplement is to provide independent data to improve the international transparency and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. For those who are not familiar with the system of higher education in the Netherlands or Radboud University, an appendix with additional information has been added.

1 Information identifying the holder of the qualification

1.1 Family name(s)	Lazarenko
1.2 Given name(s)	Varvara
1.3 Date of birth	December 29, 1998
1.4 Student identification number	1099549

2 Information identifying the qualification

2.1 Name of qualification and title conferred

Master of Science (MSc)

2.2 Main field(s) of study for the qualification

Science, Management and Innovation - Medical Biology

Description in the Central Register of Higher Education Study Programmes (CROHO): M Medical Biology

CROHO-number:60610

The Master's programme comprises the last two years of the 5-year academic programme, the purpose of which is to have the student complete an academic training in medical biology in the explicitly defined specialism and to prepare the student for a post-Master training programme and/or a position in society. By doing specialized research traineeships, attending general and specialist lectures on special topics and, if desired, taking additional courses, students are to train themselves in gaining independence and a sense of responsibility when carrying out scientific work and upon acquiring up-to-date knowledge pertaining to one's specialism.

Within the Master's programme students can choose one of the following specialisations:

- a. Human Biology
- b. Medical Epigenomics
- c. Neurobiology
- d. Science, Management and Innovation
- e. Science in Society
- f. Science and Education

Within all these specialisations, the first year of the programme exists of a research internship and other medical biology components. The courses and internships in the second year depend on the chosen specialisation. Graduates with specialisation Science and Education are qualified to teach as first degree teachers in pre-university education.

Specialisation(s):

Master's Specialisation Science, Management and Innovation

2.3 Name and status of awarding institution

Radboud University, private university and state recognized and state regulated.

2.4 Name and status of institution administering studies



Radboud University, private university and state recognized and state regulated.

2.5 Language(s) of instruction/examination

English



3 Information on the level of the qualification

3.1 Level of qualification

Master's Degree, second cycle National Qualifications Framework for Higher Education; level 7 EQF for LLL.

3.2 Official length of programme

The official duration of the study programme is 2 years, during which 120 European Credits (EC) are obtained; 60 credits a year. 1 European Credit stands for 28 hours; a total of 1,680 hours a year.

3.3 Access requirement(s)

Admitted to the Master's degree programme in Medical Biology are students who have:

- passed the exam of the Bachelor's programme in Biology with the minor Medical Biology or Medicine at the Radboud University
- received a Declaration of Admittance for the present academic year from the Board of Radboud University.

4 Information on the contents and results gained

4.1 Mode of study

full-time

4.2 Programme requirements

The goal of the Master's programme Medical Biology at Radboud University can be formulated as follows: 'the educational programme aims to have the student acquire knowledge, insight and practical skills and to master a scientific way of thinking, in such a way that the student can be considered capable of generating solutions for scientific problems - particularly those of a medical biological nature - in a manner that is inventively, scientifically and socially sound'.

Final attainment levels

A. General cognitive skills

1. The Master is capable of thinking in a manner that is problem-oriented and that provides insight, with a critical approach to scientific insights.
2. The Master is capable of analysing a scientific problem by reducing the problem to verifiable sub-problems, in which the main issues and the side issues in the analysis are distinguished.
3. The Master is capable of bringing about a synthesis based on the solutions for the sub-problems, of placing this synthesis within a scientific framework and of contributing to the general development of theories in this fashion.

B. Scientific knowledge and insight

1. The Master has acquired a broad basic knowledge of the Natural Sciences, Medical Biology in particular, and has gained insight into the relationships between the components that make up these fields of science.
2. The Master has a thorough knowledge of and insight into the chosen medical biological specialisation.
3. The Master is capable of mastering newly acquired scientific knowledge, particularly that of a medical biological nature, both inside and outside the chosen specialisation, and to integrate this knowledge within the already acquired knowledge.

C. Scientific research method

1. The Master is capable of formulating new scientific problems and hypotheses.
2. The Master is capable of setting up a scientific experiment with which to test these hypotheses.
3. The Master is capable of selecting the correct approaches to reaching a solution and the appropriate methods of research, taking into account the availability of services and means.
4. The Master is capable of collecting and systematically processing research results.
5. The Master is capable of critically interpreting the research results and can formulate the conclusions that can be derived from these results.
6. The Master is capable of outlining the scientific and social consequences of the conducted research.

D. Acquiring scientific information

1. The Master is capable of formulating which information is needed in order to solve a scientific problem, or more specifically, a medical biological problem.
2. The Master is capable of locating relevant sources of information, particularly scientific literature, by making use of the (automated) means that are available for that purpose.
3. The Master is capable of comprehensively reading scientific textbooks in the English language, as well as scientific articles regarding the chosen specialisation.

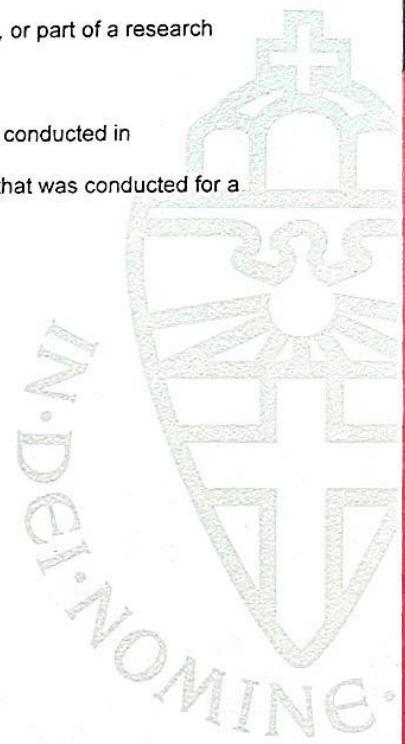


E. Practical realisation of the research

1. The Master has the practical skills that are required to conduct experimental, scientific, medical biological research concerning the chosen specialisation and/or is capable of quickly mastering these skills.
2. The Master is capable of independently planning and conducting medical biological research, or part of a research study of that kind, which is carried out in the form of a cooperation.

F. Presentation of the research

1. The Master is capable of writing a report regarding the research or theoretical study that was conducted in accordance with the structure of a scientific article.
2. The Master is capable of giving a clear oral presentation of the research or theoretical study that was conducted for a non-specific expert audience.



4.3 Programme details and the individual grades obtained

The following index lists the courses of the programme the student has attended, the number of European Credits attributed to each course and the final mark the student has acquired for the course.

M Medical Biology

Compulsory Track Courses:

	EC	Grade
Molecular and Cellular Neurobiology	6.0	6.0
Molecular Therapy	6.0	7.0
Trends in Stem Cell Biology	3.0	6.0

Philosophy Courses:

Upgrading the Human?	3.0	8.0
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Master Portfolio:

Master Portfolio Biosciences	0.0	P
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Free Electives:

Food and Brain Health	3.0	7.5
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Review Article:

Review Article	6.0	8.0
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Internship:

Master (Medical) Biology SMI/SIS internship (Donders Centre for Cognition, Netherlands)	33.0	8.5
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Extracurricular Courses:

Course on Laboratory Animal Sciences	3.0	8.5
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Master's Specialisation Science, Management and Innovation

Compulsory Courses SMI:

Sustainable Innovation Management	6.0	7.0
Reaching the Sustainable Development Goals Reaching the Sustainable Development Goa	6.0	7.5
Methods in Societal Research: Science, Management & Innovation	3.0	8.5

Themes SMI:

The Future of Health	6.0	7.5
How Health Systems Work	6.0	6.0
Advanced Endocrinology	3.0	6.0

SMI Final Research Project:

Science, Management and Innovation Research Project (HAN University of Applied Sciences, Netherlands)	30.0	8.0
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Total EC: 123.0



4.4 Grading scheme

In the Dutch grading system, a scale from 1 to 10 (as shown in the table below) is used from primary school to university. On this scale a 10 is the highest grade and a 1 the lowest. A 6 is the lowest sufficient grade.

Dutch grading system

Grade	Definition
10	Excellent
9	Very good
8	Good
7	Satisfactory
6	Sufficient
5-1	Fail

Grade	Definition
VG	Very good
G	Good
S	Satisfactory
SU	Sufficient
P	Passed
EX	Exemption

Grading distribution

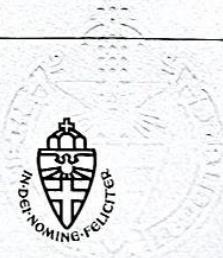
The data in the overview below are based on the past two academic years. They are based on all of the grades of the students registered for this study programme, including grades for subjects taken outside their own degree programme. In the overview, partial grades are abbreviated to the grade before the decimal, i.e. 7.1 to 7.9 are all shown in the following table as a 7.

National /institutional grade	Total number awarded in the reference group	Percentage of the total number
10	1	0.2%
9	27	4.6%
8	190	32.5%
7	275	47.1%
6	91	15.6%
	584	100%

More information: www.ru.nl/dutchgradingsystem.

4.5 Overall classification of the qualification

Passed



5 Information on the function of the qualification

5.1 Access to further study

A Master's degree in Medical Biology forms a good basis for a PhD programme.

5.2 Professional status

Not applicable.

6 Additional information

6.1 Additional information

The programme was accredited by the Accreditation Organisation of The Netherlands and Flanders (NVAO: Nederlands-Vlaamse Accreditatie Organisatie).

6.2 Further information sources

Additional information can be obtained from:

Radboud University
P.O. Box 9102
6500 HC Nijmegen
The Netherlands
Tel.: +31 24 361 61 61
Fax: +31 24 356 46 06
www.ru.nl

www.nuffic.nl

- Netherlands organisation for international cooperation in higher education

www.vsnu.nl

- Association of Universities in the Netherlands

www.minocw.nl

- Ministry of Education, Culture and Science

www.nvao.net

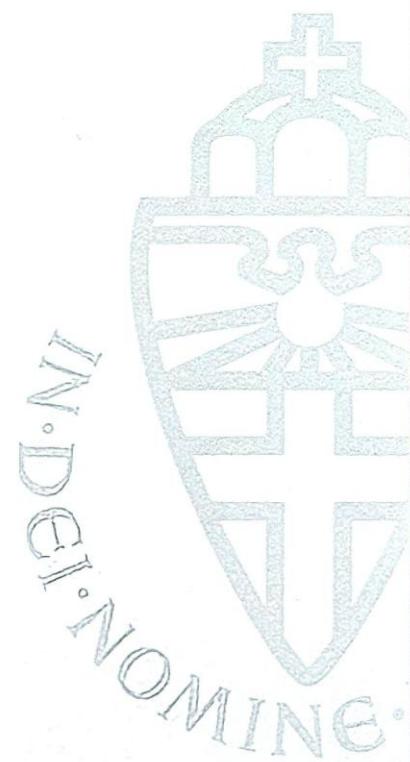
- Accreditation Organisation of the Netherlands and Flanders

www.unesco.nl

- United Nations Educational, Scientific and Cultural Organisation



7 Certification of the supplement



7.1 Date

August 30, 2024

7.2 Signature and Name

See diploma

7.3 Capacity

See diploma

7.4 Official stamp or seal



Radboud University

Radboud University is an internationally active, student-oriented research university in which quality according to international standards is the main focus. It is active in a wide range of scientific disciplines and goes beyond the traditional academic boundaries. With its university education and scientific research Radboud University helps shape social developments and creates an intellectual climate essential to society. The main aim of its staff is to increase the quality in research and education.

Radboud University is dedicated to innovative research. Scientific developments and social issues are a permanent source of inspiration for its research, which is conducted on the interface of knowledge and ability. All efforts are directed at developing new ideas and acquiring new insights. Through its research Radboud University emphatically and conscientiously helps push back the frontiers of knowledge in the interest of society.

The education offered by Radboud University is inspired by its own research and current developments in science. It is tailored to the needs of the individual student and crosses disciplinary boundaries. The students at Radboud University are active participants in the academic community. Radboud University trains them to become critical and committed members of society who are willing to take up responsible positions and have a clear vision on science and society.

The name Radboud refers to the origin of our university: the Radboud Foundation that founded the university in 1923. The name confirms the existing ties with the Catholic community. Thanks in part to this tradition Radboud University has kept an open mind towards science, society and the search for meaning.



REFEREES

- Geert Frederix, supervisor of the master thesis, geert.frederix@han.nl
- Stijn Boeren, daily supervisor of the master thesis, stijn.boeren@hotmail.com
- Janneke Grutters, the second reviewer of the master thesis, janneke.grutters@radboudumc.nl