



# ANASTASIIA NOVIKOVA

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📅 11.04.2000

🌐 Ukrainian

## ABOUT ME

As a highly motivated Master's student in Biomedicine with three years of laboratory experience, I am eager to further my skills and advance my knowledge in the field of medical research. I am seeking a position that will provide me with the opportunity to expand my expertise and apply my knowledge to help improve people's health. With a passion for the field and a commitment to making a difference, I am confident that I will make a valuable contribution to the research team I join.

## WORK HISTORY

**LABORATORY TECHNICIAN**, 08/2022 - Current

*Josep Carreras Leukaemia Research Institute*, Barcelona, Spain

- Immunological assays (flow cytometry; ELISA assays)
- Cell culture work (seeding and plating; FACS; transfection and transduction; gene editing CRISPR/Cas9; drug screening assay)
- Molecular biology techniques (DNA/RNA extraction; PCR; gel electrophoresis; next-generation sequencing (NGS))
- Bioinformatic tools (statistical analysis; sequence analysis; data visualization)

**LABORATORY ASSISTANT**, 10/2019 - 05/2022

*Odesa Social Significance Disease Centre (OSDC)*, Odesa, Ukraine

- **Participation in the international INNOVA4TB project HORIZON2020**
- Basic molecular biology techniques (DNA/RNA extraction; real-time/qPCR)
- Maintain laboratory cleanliness and reagents (media/working solution preparation; sterilization; autoclaving)
- Bacteriological techniques (plating techniques; drug resistance tests; bacterial staining; microscopy)
- Immunological assays (flow cytometry; ELISA assays)

**BACTERIOLOGIST'S ASSISTANT**, 11/2016 - 01/2017

*Odesa Regional Military Hospital*, Odesa, Ukraine

- Bacterial culture maintenance (plating techniques)
- Antibiotic susceptibility/drug resistance tests
- Bacterial identification (Gram staining; microscopy)
- Maintain laboratory cleanliness and reagents (media preparation; sterilization; autoclaving)

## EDUCATION

*University of Barcelona, Barcelona, Spain*, 09/2022 - Current

**Master of Science in Biomedicine: Basic and Translational Research in Human Pathology**

At present, I am pursuing my master's degree and concurrently working part-time as a laboratory technician in the Leukaemia and Immuno-Oncology group at the Josep Carreras Leukaemia Research Institute, where I am also engaged in my master's project. My research involves examining the impact of *PTPN11* gene mutations on the development of Acute Myeloid Leukaemia.

*Odesa National I.I. Mechnikov University, Odesa, Ukraine*, 09/2017 - 05/2021

**Bachelor of Science in Biology**

- Degree Thesis "Detecting molecular markers of resistance to Bedaquiline in the Mycobacteria Tuberculosis genome"
- Government academic scholarship 2017-2021, fully paid scholarship by Ministry of Education and Science Ukraine
- Average note - original scale: 81,35/100 (GPA - 3.1) - EQF level 5
- The bachelor's program was aimed at obtaining 240 ECTS credits
- During my studies at university, I actively participated in various scientific events and extracurricular activities organized by the university: XVII/XVI Student Scientific Conference "English in Touch With Science" (2019/2018) - with oral presentations; I actively participated in the events arranged by the student

council and university trade union, contributing my services as both a photographer and organizer

- Participation in XIII International Summer School-Conference "Molecular Microbiology and Biotechnology" (2018); XIV International Summer-Conference School "Molecular Microbiology and Biotechnology" (2019); XV International Summer-Conference School "Molecular Microbiology and Biotechnology" (2020); XVI International Summer School-Conference "Molecular Biology, Biotechnology and Biomedicine" (2021)

## INTERNSHIPS

07/2021 – 05/2022

### Early-stage Researcher in Project “INNOVA4TB” at Institute Germans Trias i Pujol (IGTP), Barcelona

- Immunological assays (PBMCs isolation; Flow cytometry; ELISA assays)
- Molecular biology techniques (DNA/RNA extraction; PCR; Gel electrophoresis; next-generation sequencing (NGS))
- Cell viability assays (MTT; Trypan Blue staining)
- Cell culture work (seeding/plating; FACS; transfection and transduction; gene editing CRISPR/Cas9; drug screening assay)
- Participating in conferences and symposia, presenting interim results, and actively engaging with other project members through business trips to collaborate with external laboratories
- The INNOVA4TB project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 823854

## SKILLS

- |                        |                                  |
|------------------------|----------------------------------|
| • Adaptability         | • Continuous learning            |
| • Teamwork             | • Research and analytical skills |
| • Attention to details | • Multitasking abilities         |
| • Critical thinking    | • Problem-solving                |

## LIST OF PUBLICATIONS

- S.Gushcha, A.Novikova, et al. Assessment of the influence on sodium chloride water on the course of toxic liver damage in the experiment. Pharmacology OnLine Archives. 2021. Vol.3. 698-706.
- S.Gushcha, A.Novikova, et al. Autochthonous microbiota of mineral natural waters of Ukraine as a health maintenance factor. Abstracts of the I International Scientific and Technical Conference "Water Quality: Biomedical, Technological, Agricultural and Environmental Aspects". 2021. p58-59.
- S.Gushcha, A.Novikova, et al. Experimental studies of natural coniferous extract in different dilutions. Medical rehabilitation, balneology, physiotherapy. 2019. p35-40.
- V.Stepanova, A.Novikova, et al. Experience in the use of halo-aerosol therapy in the rehabilitation of patients with bronchial asthma. PainMedicine Journal. 2018. Vol.3. No.2/1. p40.
- S.Gushcha, A.Novikova, et al. Prospects for the use of underground mineral waters of the Eastern region of Ukraine in the rehabilitation of patients with osteoarthritis and dorsopathies. PainMedicine Journal. Vol.3. No. 2/1. p37.

## LANGUAGES

Ukrainian Native

English

B2

Spanish

A2

Upper intermediate

Elementary

German

B1

Russian

C2

Intermediate

Proficient

## REFEREES CONTACT INFORMATION

### 1) Dr. Laura Belver - Current Supervisor

Principal Investigator of the group in which I am doing my final Master's thesis.

**Email:** lbelver@carrerasresearch.org

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### 2) Dr. José Domínguez - Internship Supervisor

Principal Investigator of the group in which I did my Bachelor's research during my internship.

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### 3) Prof. Kostiantyn Babov - Bachelor Thesis Supervisor

Director of The «Ukrainian Research Institute of Medical Rehabilitation and Resort Therapy of the Ministry of Health of Ukraine»

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