

## Widening Country Inspiration Story

“Find an experienced supervisor involved in several European projects.”

**Name of the fellow:** Anastasia Beketova  
**Country of the host:** Latvia  
**Project Acronym:** RegrOssBio  
**Project start and end date:** 1.08.23-31.07.2025  
**Type of MSCA, Horizon Europe:** Postdoctoral Fellowship



### What is your project about?

Every year 1.8 million dental implants are implanted in the European Union. Concurrently, periimplantitis (PI), the inflammatory infectious disease around dental implants, is becoming an emerging complication. Clinicians are often confused regarding the effective local antimicrobial therapy for PI, while no appropriate pharmaceutical solution exists so far. RegrOssBio aims to develop injectable composite material with antibacterial and bone regenerative properties for local PI treatment, and to introduce it into the dental market. Our project will contribute to the development of the contemporary clinical protocols for management of this disease.

### Why is your project important for society?

Periimplantitis ends with implant loss in half of the cases. It means that a senior patient will undergo implant replacement surgery, and bone grafting procedures with corresponding costs, pain, and discomfort. The average cost of implants runs between €2750 and 4125. Conservative treatment by RegrOssBio materials will contribute towards the reduction of treatment costs for patients and society in general. RegrOssBio is clinically

oriented and focused on patients' well-being.

### What communication and public engagement measures have you foreseen?

To engage the public, we will participate in different events, such as the European Researchers' Night and "Science is Wonderful!" fair, publish general information about the project on the official website of Riga Technical University (RTU), facebook and in popular science magazines.

### Why did you choose a widening country as a host?

I am a Ukrainian national and the reason why I have chosen Latvia is because Latvia and the Latvian people strongly support my home country against Russian aggression. Here, more than anywhere else, you can find Ukrainian flag symbols in public transport, on the public buildings, even in cafeterias, while people wear blue-and-yellow colours of the Ukrainian flag to express their solidarity. Specifically,

RTU, my host institution, is a Ukrainian friendly organisation. Latvia is also a beautiful country with ancient castles and delicious cuisine.

## How did you find your host organisation?

I found my host organisation in the Marie Curie partner search service and it nicely matched my scientific interests. Baltic Biomaterials Center of Excellence (<https://bbcentre.eu/>) in RTU is the largest and most modern center for biomaterials research in the Baltic States.



## What kind of support did you get?

I received very good support from my supervisor, who showed me step by step the application process in the electronic system and instructed me in detail how the proposal should be written. My co-supervisor from the host organisation, helped me with draft editing, and made important remarks, that helped improve the quality of the proposal. During my project writing I used the [MSCA-NET Handbook](#) and watched some YouTube videos about open science practices and results dissemination strategies that explained how to fill in the corresponding fields in the template.

## What tips can you give other researchers who would like to apply for MSCA?

I would advise future applicants to find an experienced supervisor involved in several European projects who would be interested in cooperating with you. Ask yourself what you can offer, what is your strong side. It also takes a lot of imagination and effective communication to decide on a topic that interests you both. I believe that coming up with a good idea is half the battle won. Another tip from me is to strictly follow both the rules stated in the template and the guidance of your supervisor.

More information on the project:



The Marie Skłodowska-Curie Actions (MSCA) support researchers at all stage of their career across all disciplines. The MSCA also support cooperation between industry and academia and provide innovative trainings and career developments.

The MSCA Postdoctoral Fellowships (PF) enable talented researchers to work on project in Europe and beyond. They aim at enhancing the innovative potential of postdoctoral researchers through advanced trainings, international and intersectoral mobility.

The MSCA-NET project is the MSCA NCP project to facilitate the transnational cooperation to achieve a consistent and harmonised level of NCP support. The scientific community can also profit from our project to support their MSCA application.

