



Scientific Internship in Biotechnology & Sustainable Agriculture

at **ekolive s.r.o.** – Innovator of **InnoBioTech®** Biotechnology

About **ekolive**

ekolive is an award-winning biotech start-up/scale-up based in Košice, Slovakia, revolutionizing agriculture with our **patented and EU-certified (ETV) InnoBioTech® technology**. Our method replicates natural microbial mineral weathering to produce **chemical-free liquid bio|me|stimulants** that act as:

- **Soil health enhancers** (improving fertility).
- **Plant strengtheners** (boosting systemic resilience to biotic and abiotic stress).
- **Yield boosters** (increasing crop productivity).
- **Bio-enhancers** (supporting natural ecosystem processes).

Our mission is to make **regenerative agriculture globally accessible**, particularly in developing countries facing soil degradation and dependence on agrochemicals.

Internship Description

Title: Scientific Internship (R&D) in Bio|me|stimulant Development & Bioleaching

Duration: 6 months (flexible start date)

Location: Košice, Slovakia (partial remote work possible)

Mentorship: Guided by our expert R&D team

Responsibilities & Projects

You will contribute to **cutting-edge projects** optimizing our existing and developing new bio|me|stimulants and support:

1. **Experimental Research**

- Conduct **metabarcoding/metagenomic analyses** to characterize soil microbiomes.
- Develop and test the bio|me|stimulants under varying conditions (pH, drought, frost).
- Develop and optimize **analytical methods** (e.g., silica, phosphorus, ammonia quantification).



2. Sustainability Assessment

- Compare efficacy of our bio|me|stimulants vs. alternatives.
- Investigate **CO₂ sequestration potential** of treated soils.
- Contribute to **regulatory processes** and EU grant applications.

3. Interdisciplinary Collaboration

- Work with farmers, microbiologists, and chemists.
- Prepare **scientific reports and publications** and marketing materials (social media, wiki).
- Participate in **international scientific project** on behalf of *ekolive*.

Your Profile

- Degree in **Biotechnology, Agricultural Sciences, Microbiology, Environmental Sciences**, or related fields.
- Hands-on lab experience (e.g., PCR, spectroscopy, data analysis).
- Basic **bioinformatics skills** (e.g., R, Python) are a plus.
- Proactive, creative, and passionate about **sustainability**.
- Fluent in English (Slovak not required).
- **Most importantly:** interested, engaged, committed and proactive in solving challenges.

What We Offer

- **Real-world impact:** Develop solutions for sustainable agriculture.
- **Mentorship by leading scientists** in a dynamic start-up.
- **Networking opportunities** within EU initiatives (EIT Food, industry partners).
- **Flexible work environment** with potential for future employment.

Application

Internships can be financially supported through the **InnoNext project**.

Please apply via the website: <https://www.innonext-project.eu/en/>

Deadline: Rolling applications (early submission encouraged). InnoNext implements an enduring open call until July 2026.

More info: Please visit our website: <https://ekolive.eu>