ÁGNES BITSKEY

Biotechnology Master Student

I am a Hungarian final year Master of Biotechnology in the **Budapest University of Technology and Economics (BME)**, where my specialization is in Pharmaceutical and Medical Biotechnology. Before that, I made my Bachelor of Biology in **Eötvös Loránd University (ELTE)**.

During my Bachelor's degree, I won a three-month **CEEPUS internship** at the **University of Zagreb** in the **Faculty of Food Technology and Biotechnology**. Where I could learn the microbiology and biochemistry techniques (bacteria culturing, PCR, SDS and PAGE electrophoresis etc.) in the Laboratory of Antibiotics, Enzyme, Probiotics, and Starter Cultures technology. After coming back to my home university my Bachelor Thesis project was to investigate the molecular mechanisms of the biological clock.

During my Master studies, I started to work as a **Junior Researcher** for a Hungarian Biotechnology Company, **Solvo Biotechnology** in the **R&D sector**. My job and my thesis work were to create mammalian cell lines overexpressing amino acid transporter and to develop and validate bioassays using these cells. With this work, I won the **Scientific Student Conference 1. st prize** in my university and I learned biochemistry and biotechnology tools (RNA isolation, RT-PCR, Western Blot, RNA silencing, cell culturing).

Before finishing my Master's this summer, I won a six-month **Erasmus scholarship** for the summer semester at the **Technical University of Madrid (UPM)**. My main interest here, is to study bioinformatics, programming, and molecular simulation, that is why I chose classes from the **Computational Biology Master**. My other aim is to learn the language, that later I could work for a Spanish Biotechnology Company.

During all these years my main interests were research in gene technology, immunbiotechnology, protein science and cellular regulation fields. However, in the last year of my Master's, after attending the bioinformatics, proteomics, genomics, and bioanalytics classes I realized what a huge amount of biological data we have and how important it is to use them for speeding-up our knowledge and technological advances.

Now my main focus is to learn programming and broaden my knowledge about all the bioinformatics tools to become a better scientist and to know how to work both *in vitro* and *in silico*. After finishing my Master's, I would like to start an international Ph.D.

MOTIVATION

My aim is to work in an enthusiastic group which could facilitate my professional development and to obtain practice not only in academic, but also in industrial environments.

SKILLS

Spoken languages:
Hungarian Native, English C1, German B1, Russian B1, Spanish in progress

Software knowledge:
Origin, Prism, Statistica, Cytoscape, Jalview, FigTree, Chimera, CATH, SuperPro designer

PERSONALITY

Quick learner, Curious, Flexible, Reliable
Outstanding problem-solver,
Good in team but, also independent,
Interdisciplinary thinking,
Great communication skills

CONTACTS

📞 +3670 240 5112

✉️ agbits@gmail.com

in www.linkedin.com/in/agnesbitskey