

## ÉVA JÓZSEF



**Bolyai Farkas Highschool, Târgu Mureș**

**Address:** Strada Bolyai 3, Târgu Mureș, Romania

## TEACHING CAREER IN BRIEF

I graduated from the University of Bucharest with a biology degree in 1995. I am grateful to the university because during that time, outstanding professionals guided my scientific development, I received a remarkable training in molecular biology and genetics and they provided an insight into science that defined my further development. Thanks to this I have become always open to new things and, having received a strong foundation, I have always been able to keep up with the advancement of science, knowing that my knowledge is at a certain stage and that will always be new things that need to be understood and passed on.

I began to take study trips abroad in 2003. That year I received continuative education at EMBL (European Molecular Biology Laboratory). That same year I participated in teaching workshops in Heidelberg and Jerusalem, where I got a glimpse of the current questions science was asking and the research conducted. Consequently, I went to continue this kind of work in Heidelberg in 2005 and 2007. In 2010 I gained insight into the work of EMBL and EBI (European Bioinformatics Institute) in Hinxton, where I studied bioinformatics. In 2014 I took my first steps in structural biology in Grenoble. Also in 2014 I obtained a master's degree in medicinal biotechnology at the University of Medicine and Pharmacy of Targu Mures. In 2020 and 2021, I also learned about the microbiome and CRISPR/cas9 technology online in the courses organized by EMBL.

There are so many novelties in the various areas of science that if high school teachers cannot explain them adequately to their students, society is going to fall behind on everything that happens on the level of scientific life. This is why I aim to be a bridge between my students and the current scientific level so that my students won't have to feel left out and behind and so they understand that science isn't stagnant and they need to acquire enough knowledge so they can keep up with the pace of development.

## PUBLICATIONS

**Bioinformatics in public education, Teaching natural science in an up-to-date and engaging way,** Lecture notes, Eötvös Lóránd University Center for Science Methodology, 2011

**The theory and implementation of evolution in public education, Let's Research Together!** Presentations of the conference organized by the Csíkszereda Faculty of the Sapientia Transylvanian Hungarian University, Cluj University Publishing House, 2019

**To raise to life. History of the Department of Biology, 65 Years in Bolyai Highschool,** Lector Publishing House, Targu Mures, 2021

## SUCCESSFUL STUDENTS

### Dr. Krisztina Kelemen

university teaching assistant, George Emil Palade University of Medicine, Pharmacy, Science and Technology in Marosvásárhely (Hereinafter: UMFST)

- TUDOK 2010, grand prize
- Nature's World Student Competition 2011, First Prize in Medicine

### Tímea Csorvási

biologist, ELTE TTK

- 8. Youth Bolyai Competition 2016, 1<sup>st</sup> place

### Dr. Zsófia Germán Sallo

pediatric resident doctor, UMFST

- TUDOK 2010, grand prize
- Nature's World Student Competition 2011, First Prize in Medicine

### Engel Botond

bioengineering, BME Budapest

- World of Nature Student Competition 2017, Biophysics 1<sup>st</sup> prize
- BUGÁT PÁL Carpathian Basin Natural Science Literacy Contest 5<sup>th</sup> place

### Tamás György

medical student, UMFST

- TUDOK 2017, 1<sup>st</sup> prize
- The World of Nature Student Competition 2017: First Prize in Medicine;
- 2018: Special Prize

### Réka Pálosi

pharmacy student, UMFST

- TUDOK 2017, 1<sup>st</sup> prize,
- The World of Nature Student Competition 2017: First Prize in Medicine;
- 2018: Special Prize