

## LEVENTE LÁNG



National Academy of Scientist Education, 2<sup>nd</sup> year

University of Pécs  
Faculty of Pharmacy II.  
Biotechnology BSc 2<sup>nd</sup> year

#### YEAR OF BIRTH:

2005

#### FORMER SZENT-GYÖRGYI PUPIL:

no

#### SZENT-GYÖRGYI MENTOR:

Gábor Kemenesi

#### JUNIOR MENTOR:

Zsófia Lanszki

#### SPECIALIZATION:

virology

#### SECONDARY SCHOOL:

VSZC Boronkay György  
Technical Secondary School  
and Technical College, Vác

#### NAME OF TEACHER:

Ágota Kónyáné Csirik

#### LANGUAGES:

English/intermediate

#### IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

The Lloviu cuevavirus, a filovirus identified in bats that is related to the Ebola and Marburg viruses, exhibits endemic characteristics in Hungary and several other European countries. The primary objective of our research is to conduct a comprehensive analysis of the virus to better understand its natural occurrence, effects on bats and other animal species, and the possibilities for preventing human infections. To achieve this, we will develop and refine diagnostic and sequencing techniques that facilitate the rapid and accurate identification of the virus and the understanding of its natural operation. In our work, we will utilize our most advanced laboratory equipment for a detailed examination of the virus's molecular mechanisms and the development of potential therapeutic solutions. This research will not only aid in a deeper understanding of the Lloviu virus but will also contribute to expanding our knowledge of other filoviruses that pose a risk to human health, with particular attention to the Ebola and Marburg viruses, which are increasingly causing epidemics in Africa.

#### AMBITIONS AND CAREER GOALS

My primary goal during the programme is to reach a higher level in scientific life within my age group. Networking is also one of my main goals, I consider it important to create a broad network of researchers within my field. This will allow fresh discoveries and ideas to flow more easily between professionals and open up more opportunities and collaborations. I would also like to master the writing of scientific articles and publications, and to improve my skills. Last but not least, I plan to learn different laboratory techniques used in my field of research, so that one day I will be able to carry out my own research, from pre-work planning, through laboratory experiments, to writing the final publication.

#### HONORS AND PRIZES

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#### PUBLICATIONS

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