

“Imagination is more important than knowledge”, the renowned Albert Einstein once said. Although knowledge can essentially be acquired over time, the true essence of science is the ability to think innovatively. In this spirit, I have tried to let my creativity thrive since childhood, engaging myself in a variety of exercises, such as creating elaborate LEGO models depicting unconventional buildings or carrying out experiments on the resilience of plant-pollinator interactions under altered environmental conditions. With such a dedication to deciphering the origin, interconnection and cooperation of organisms in biological systems, I was moreover eager to understand the most fascinating network of networks, the human body. Since it is a uniquely intricate integration of multiple systems, from our genome to the molecules and cells that constitute organs, along with our relation to species, great creativity is required to provide a proper elucidation of why and how we exist. As imagination and curiosity stimulate my artistic side, they further my intellectual development and enhance my ability to make connections between numerous disciplines, including biology and chemistry.

J. Keeler and P. Wothers’ “Why Chemical Reactions Happen” and Peter Atkins’ “Molecules” somehow have satisfied my infinite thirst for knowledge. Not only was I provided an insight into how precisely chemistry shapes our surroundings, but I also experienced great academic advancement. Consequently, along with my absolute enjoyment in studying and ambition to be on top of my work, these books supported my intention to become a competent competitor. Specifically, my biggest accomplishments include a 10th prize at the Dürer National Mathematics Competition and placing in the top thirty in various national biology and innovation contests. Recently, I came 15th in the Hungarian round of the International Biology Olympiad, which provided me with a novel perspective on natural sciences, in addition to laboratory experiences, such as gel electrophoresis, spectrophotometry, PCR, ELISA, FISH, 2D SDS-PAGE, or Sanger-sequencing. As a result of these achievements, I will participate in a future research project on the genetic basis of hereditary kidney diseases at the 1st Department of Paediatrics of Semmelweis University in Budapest.

Having had the privilege of attending the 9th Meeting of Nobel Laureates and Talented Students at the Szeged Scientists Academy, I was highly inspired to encourage young minds in research and share my dedication to explicating the queries of science. Therefore, it has not posed an endeavour, rather a pleasant challenge to become a personal chemistry tutor at my country’s finest secondary school and the Programme Officer of the student-run Natural Sciences Society at the Milestone Institute, an advanced academic programme for the gifted. Whilst organising lectures with outstanding Hungarian researchers and promoting constant immersion in sciences for students, I intend to flourish the creativity, enthusiasm and advancement of the community.

In order not to stay locked in one field, I took up majorette dancing. Being imaginative and creative, the moves have emancipated my coordination, enabling me to perform complex choreographies. Attending International Majorette Festivals earned me multiple ‘gold with honours’ medals, a 5th place in Malgrat de Mar, Spain and three tambour major prizes. Additionally, I enjoy history and debating, and I am an active member of my school’s Model UN Club. This summer, I participated in the Hungarian Jewish Society’s camp for children to imprint curiosity for science in their young minds, which I hope to achieve by passing on my dedication and acting as a good example.

All in all, it would be my greatest honour to be accepted to your prestigious institution. Natural sciences, especially biology, are truly my life’s destination. And I strongly believe that a UK university is the best place for my dream to take off.