Đỗ Huyền Anh
Hungary, Debrecen, 4032
huyenanh.d@gmail.com
+36203870260

Selection committee
TSSP ExSci 2024
Nicolaus Copernicus University
Toruń, Poland

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To whom it may concern,

My name is Anh H. Do, a Vietnamese girl, doing my degreed university study at the University of Debrecen, Hungary. As a student of physics, I am writing to express my strong interest in the research opportunities available, particularly in "Dimensionality reduction for exploring conformational landscapes and motions from experiments and molecular dynamics using Python" and "Bridging the knowledge gap: computational insights into sulfonylurea inhibition across KATP channel diversity". I am eager to contribute to these projects and expand my knowledge in computational biology and biophysics.

Coming from an academic background, with my parents both deeply involved in academia, I have developed a profound passion for learning and doing research. My academic journey has been marked by consistent dedication and curiosity-driven exploration, leading me to achieve a high GPA and earn recognition for academic excellence, including participation in physics competitions and acceptance into my university's talent program, both when I was at VNU University of Science in my home country and now that I am at the University of Debrecen, who has granted me with scholarships for outstanding students.

I bring to the table a solid foundation in programming, particularly in C language, along with proficiency in mathematics. Although my experience with Python is basic, I am committed to enhancing my skills in the language to effectively engage with the computational aspects of the research. Additionally, I am currently working on a project involving a stimulating fiber bundle model using C language, which has further strengthened my programming skills, especially in stimulation.

The opportunity to delve into the realms of molecular dynamics and computational biology resonates deeply with my research interests and aspirations. I am particularly intrigued by the objectives of both projects, including integrating dimensionality reduction techniques to explore conformational landscapes in protein structures and comparing sulfonylurea inhibition across KATP channel diversity. These two projects fit perfectly with my passion for scientific inquiry and analytical problem-solving.

If given the opportunity to be part of these research programs, I will dedicate my time to leveraging my skills and knowledge to contribute significantly to their objectives. I am excited about the possibility of immersing myself in the vibrant research environment at your institution and collaborating with esteemed researchers to advance scientific knowledge in these fields.

Thank you for taking my application into consideration. I am eager to discuss how my background and skills align with the goals of the projects and explore the opportunity to contribute to interesting research in computational biology and biophysics.

Sincerely,

Đỗ Huyền Anh