

What I talked in the NIKKEI Interview:

My name is Hussein Mohamed Elhusseiny Ali Elbayoumi. I am coming from Egypt. I graduated from the faculty of veterinary medicine, at Benha University in Egypt in December 2013. Then I worked as a demonstrator in the department of veterinary surgery, anesthesiology, and radiology at the same university till December 2017. During this time, I have conducted experimental research and graduated with my master's degree. The topic of this research work was interesting as I worked on the reconstruction of the large size abdominal wall defects using biological materials derived from the animal body. Moreover, I have utilized some blood constituents that could augment the healing process. Results have been published in good journals and presented at top conferences in Egypt and the Netherlands. This helped me to get a scholarship to study for my Ph.D. overseas.

At that time, I had many chances to complete this study in the UK, Russia, China, and Japan. I have chosen Japan for my Ph.D. study as I found it is possible to complete the interesting research that I started in my master's in a more advanced way. Moreover, Japanese universities are world-ranked, and their laboratories are well equipped with cutting-edge machines that help to produce high-quality research.

When I arrived in Japan, a new chapter of the story has begun, I could join the WISE program within the first six months of my stay in Japan. I can say that this was a turning point in my career. As a researcher, I was usually focusing on research works and experiments, in other words, I was totally belonging to the academia. The WISE program has helped me to change my mindset and added new horizons to my thinking. I could gain much useful knowledge to fill the gap between academia and the industry. Hence, I become more focused on the applicable parts of academia that can be valuable for the industry and society.

Also, I recognized well the concept of one health that the health of animals and humans are connected. My research in Japan is about the revitalization of the dead infarcted heart muscle using biological materials and stem cells. Our main motivation in this work arises from our belief that a healthy heart equals happy life. Moreover, this applies to both animals and humans. We can further produce a valuable product that can share effectively in the industry and help to upgrade our public healthcare levels. That in role shares in the implementation of the supersmart society (Society 5.0) which is one of the main objectives of the WISE program. Ultimately, I hope that I can share efficiently in the progress of humanity and bridge the relationship between Japan and Egypt.