Short-Term Scientific Mission in the University of Jena

Non-scientific summary

During my two-month internship at the University of Jena, I conducted a scientific mission focused on the topic of "Interpretation of tandem mass spectra with self-supervised machine learning". The main objective of the project is to develop an artificial intelligence (AI) system capable of automatically discovering new molecules, such as lipids or specialized metabolites. I had the privilege of working closely with Professor Sebastian Böcker's research group, actively engaging in brainstorming sessions to explore new research directions and implementing novel methods.

Our collaboration with the Böcker lab commenced successfully, and we currently continue our cooperation remotely. I thoroughly enjoyed my time at the lab and in Jena as a whole. The intellectual environment in the group provided an enriching experience, fostering my passion for scientific research. Furthermore, Jena itself proved to be a serene and peaceful town, creating an ideal atmosphere for deepening my dedication to research.

Overall, my internship at the University of Jena was a rewarding experience, enabling me to actively advance my research project and collaborate with esteemed professionals.

