

Monthly Report

May 2017

Motonari Hamanaka

There is only one month left for my exchange program at Warwick. I would like to cherish my left time.

As I mentioned previously, I am doing a research project now. In this project, I am studying one of the plant pathogenic bacterial effector proteins which are injected into plant cells from bacteria. These effectors can affect plant immunity in some ways and eventually cause immunosuppression. If we reveal the detailed mechanisms, we can utilize them for the treatment of plant diseases. I am trying to identify interactors of an effector by using co-immunoprecipitation and LC-MS/MS techniques. This is the first time for me to treat plants in biological experiments, so this should be a very precious experience. As far as I know, there is no lab in my course at Hokudai, which is doing plant biology. Hence, this would be the first and last time for me to do plant biology.

I suppose the next monthly report will be the final report, so I would like to write a summary or pros and cons of exchange program.