

Europlanet Expert Exchange Programme post-visit report

In the week of 26.06. – 03.07. 2022 we visited the group of prof. Dennis Bodewits at Auburn University, AL, USA. They are actively involved in astrophysical observations of space bodies such as comets by spectroscopic methods (e.g. by using Hubble Space Telescope). The visit of Dr. Juraj Országh and Ms. Barbora Stachová was supported as an expert exchange programme within Europlanet visits. Juraj Országh is the main scientist responsible for LEIF (Laboratory of Electron Induced Fluorescence) research and Barbora Stachová is PhD student who started her study in 2021 working in the LEIF group.

Our primary interest was to get acquainted with the research done by the group of prof. Dennis Bodewits in detail since the LEIF output data serve as a reference for analysing astrophysical observations and are useful as input data for various models of atmospheres or comas. During the visit, we had a small workshop within our groups and each member presented their latest research and scientific results. We have also carried several discussions on our recent and future cooperation to strengthen the abilities of the LEIF to produce the output data in the form useful for astrophysical research and make our contribution to Europlanet efforts more valuable. We have also discussed future plans regarding the visit of prof. Dennis Bodewits and Dr. Steven Bromley at Comenius University in July 2022.

It was a great opportunity especially for me, as a PhD student, as I was able to attain deeper understanding of the motivation for my PhD thesis, which is focused on electron – molecule interactions relevant for astrophysical research.

07.07.2022

Date



Barbora Stachová