

My name is Alessandra and I had the wonderful chance to do a Short Term Scientific Mission in the department of Chemistry of Perugia University, at the H-EcoTox Laboratory. A brief description of my work: I work at the Paul Langerhans Institute in Dresden and my main task is to analyse lipidomics data generated to increase knowledge on the pathophysiology of diabetes and its comorbidities. My main issue: I was asking myself on a daily basis, because my background is in ecology and not in chemistry, whether the way I was using the traditional statistical tools to describe lipidomics data was enough. My lucky find: thanks to the Epilipidnet I got in contact with Prof. Goracci, an organic chemist who has a long standing experience in the analysis of lipidomics data within the frame of pharmacological and medical research. A turning point: I was granted the STMS and spent two weeks with Prof. Goracci and her group. I found an inspiring environment, with expert people, all ready to help and share their know-how. Although my STSM was short, it was an important moment of professional growth where I gained a deeper understanding, and thus more confidence, in how to approach lipidomics data analysis and maximize the information that can be extracted in a sound way. Future plans include continuing exchanges with Prof. Goracci and collaborate on incoming projects.



With Prof. Goracci in the beautiful countryside outside Perugia