Dmitrijs Rots

Role of rare Epivariants in NDDs

Duration	3 months
Short Bio	I was doing my PhD and working on genetics and epigenetics of monogenic neurodevelopmental disorders. Previously, I have obtained MD degree and have little experience with bioinformatics and DNA methylation data analysis.
Home Institution	Radboud university medical centre, Nijmegen, the Netherlands
Host Institution	Manchester University Hospitals NHS Trust, Manchester, UK
Project Description	The project aimed to identify disease-causing rare epivariants among individuals with unsolved NDDs. I learned DNA methylation data analysis principles and basics and was able to implement and test epivariant detection tools.
Personal Statement	The experience was great for different aspects – to learn new methods practically, to establish a strong collaboration between the institutions, as well as to get experience with completely different system (of research, of group meetings). I use the obtained knowledge for my next projects. The epivariant detection tool was later implemented later also test in the host and home institutions.