

CAPOD Funding Report

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Event /Course Title	Introduction to the statistical analysis of genome-wide association studies
Date of event	2 – 6 July

1. Brief description of Event (50-100 words): The event was focused on developing a statistical and genetics background to perform genome wide association studies (GWASs). The short course was organised in theoretical lectures followed by practical computer workshops to perform all the steps of a genome wide association study. The topics expanded the genome wide association studies and covered post analysis quality control, interpretation of the results using biobanks national databases, knowledge of Unix system and R programming and the main technologies now available to perform post GWAS studies.

2. What were the benefits of attending and what did you gain from the experience in terms of transferable skills and knowledge. I gain a practical experience on genome wide association studies, which are the focus of my PhD and I've developed statistical and computer/programming skills which are transferable in any fields and will be essential in my PhD and post PhD career.

3. What actions will you be taking as a result of attending or by making new networking contacts. I will be able to perform genome wide association studies quicker – this is the focus of my PhD – and I have found potential studies to carry out with co-workers met at the event. Several colleagues attending the course have access to databases, meaning that new collaborations can be created.

4. Can you share any additional resources produced in connection with the event (e.g. feedback from participants, training resources, website links, and additional materials.

I can share printed materials (both lectures and workshops) and links of national biobank databases

5. Tips/experience learned from the event: Hands-on experience on genome wide association studies. The course organisers also shared practical tips on how to clean data and be faster in the analysis.

6. Any additional comments or information regarding the event

The networking carried out at the event was fundamental since several co-workers were present.