

Report of the 1st WG on Data Sharing and Bioinformatics Meeting

Dublin, Burlington hotel

15th April 2013

Participants

Dr Barend Mons, Leiden, Netherlands
Dr Andreas Zankl, Queensland, Australia
Prof Anthony Brookes, Leicester, UK
Prof Eric Boerwinkle, Houston, USA
Dr Ivo Gut, Barcelona, Spain
Prof Jacek Majewski, Montreal, Canada
Prof Jeffrey Krischer, Tampa, USA, ISC Member
Prof Matt Bellgard, Perth, Australia

Discussions

A part of the time was spent on introducing participants and describing the setting in which they work. This was very helpful as many common areas of interest have been highlighted and work environments are in some aspects very similar.

In order to approach the main discussion goals - harmonization, data sharing, etc - it was advanced that use cases should be developed that could be circulated to the WG members. It was felt that it would be easier and more revealing to compare how each WG member would respond to each use case to describe the approach and methods.

Participants complemented each other in the sense of their approach to data whether they were coming from a genotype or phenotype direction. The data issues appear to be quite different in each setting and there was utility to discussing these perspectives separately.

Indeed there seemed to be value in considering issues from several different dimensions:

- ▶ Diagnostics: "omics", metabolic and immunological testing (or more generally clinical testing)
- ▶ Genotype-phenotype correlations
- ▶ Therapeutics: including clinical trials; biomarkers; definitions and measures of response
- ▶ Etiologies: gene-environment interactions
- ▶ Regulatory: ethics, confidentiality, intellectual property
- ▶ Follow-up phone call will take place before the summer.