



Getting started with analysing biological big data

An introduction to the practical utility of various bioinformatics and biostatistics techniques and how to develop these skills yourself

**Tues 29th April 2-5pm in the Henry Wellcome Building
followed by a networking event with free drinks and nibbles**

Speakers will

- 1) Introduce themselves
- 2) State what you can do with the skills they are introducing
- 3) Briefly give examples and perhaps work through one example in more detail
- 4) Signpost to further training options

Programme

Introduction - Ian Brewis

Unix/shell scripts – Peter Giles and Robert Andrews

Scripting – Kevin Ashelford (Perl) and Imtiaz Khan (Python)

R – Peter Giles

Software tools – Tim Stone

3.40-4.00 Tea/coffee break

Statistical analysis of large scale genetic datasets – Biostatistics and Bioinformatics Unit

High performance computing (HPC) – Prof Martyn Guest, Director of ARCCA

Pilotomics – Tom Conner, BIOSI

Big data (summing up) – Robert Andrews

5.00 Drinks and nibbles

Please email David Fear (FearD@cardiff.ac.uk) to register.

Any questions on the programme please contact Ian Brewis (brewisia@cardiff.ac.uk)