ELIXIR Meeting, 4-5 November 2013

Lightning Talk
Mick Watson
Head of Bioinformatics
Edinburgh Genomics
1. What are the training needs and what are you doing to address these needs?

• **Edinburgh Genomics** is focused on training in bioinformatics and genomics, especially 2\textsuperscript{nd} and 3\textsuperscript{rd} generation sequencing

• Underpinned by funding from MRC (ELIXIR), BBSRC and NERC

• 1-5 day courses

• Next-gen genomics, QC, mapping, assembly, annotation, transcriptomics, capture-seq, exome-seq, ChIP-Seq, epigenomics, metagenomics

• Bioinformatics, Python/Perl for biologists, Software Carpentry
2. What can you offer at a Pan-European level that is sustainable?

- Our training will be available to all (globally) on a cost-recovery model
- Current funding pays for 1 full time post
- If there is enough demand, we will expand the operation accordingly

- Aim **NOT** to develop new materials
- Universities have existing materials which we will adapt
- Training delivered within the context of GOBLEET and ELIXIR
3. What is your vision for a Pan-European, over-arching training strategy?

- Develop a core curriculum based around “best in class” algorithms
  - Reduce “silo” training
- Collect **existing** materials, and minimise development of new materials, minimise duplication of effort
- Nodes capable of delivering training do so by leveraging funding from various funding bodies
- Training delivered on a cost-recovery model