# Questions

## Standard Protocols and Accurate Records

1. How do we try to ensure that the same processes are followed by everyone performing an analysis process in the genomics laboratory?
2. In laboratory genomics, when analysing a variant, how do we record the processes we have followed and the information (and metadata) we have considered as part of our analysis (including versions of reference sequences used etc)
   1. Why is it important to record this accurately?
3. Where can we find the Standard Operating Procedures in the genomics laboratory?
4. The Association for Clinical Genomic Science (ACGS) is a major professional association for scientists working within laboratory genomics. Where can we find the guidelines this community have developed?
5. What data protection law covers genomic data as a special category of personal data?
   1. Why are we allowed to process genomic data (which article 6 and article 9(2) categories usually apply to the data we process?)
   2. Where is the genomic data acquired in the genomics laboratory stored?
      1. Can anyone get to this data?
   3. Laboratory genetics is a pathology laboratory
      1. How long should we keep the data from genetic tests performed in the laboratory?
   4. What is an incidental finding?
      1. How might we try to avoid incidental findings in genomics in our patient data?
6. If you had a vcf that you had not generated yourself, where within this file might you look to see which bioinformatics tools have been run to generate these variants?

## Resources

<http://www.acgs.uk.com/>

<https://ico.org.uk/for-organisations/guide-to-data-protection/guide-to-the-general-data-protection-regulation-gdpr/>

<https://ico.org.uk/for-organisations/guide-to-data-protection/guide-to-the-general-data-protection-regulation-gdpr/lawful-basis-for-processing/special-category-data/>

<https://www.rcpath.org/search-results.html?q=The%20retention%20and%20storage%20of%20pathological%20records%20and%20specimens%20%285th%20edition%29>

<https://www.bsgm.org.uk/media/764635/wgs_discussion-paper.pdf>

<http://www.acgs.uk.com/media/1054680/4_2017-04-20_acgs_kb.pdf>