UNIVERSITY OF CUMBRIA

COURSEWORK REASSESSMENT REQUIREMENT

Module Code: HSOB5004
Module Title: **Human Genetics**
Tutor: Lucy Spain
Title of the item of work: You may create your own title of relevance
Wordage: **15minute poster presentation**

Details and Criteria: (Please attach additional sheets if necessary)

Learning outcomes to be assessed:

1. Demonstrate comprehensive knowledge of genetic variation, how it arises and how it can be exploited.
2. Demonstrate knowledge of the diverse scientific fields that encompass human genetics including clinical genetics, biochemical genetics and pharmacogenetics.
3. Critique the development of new and emerging procedures and techniques.
4. Access and evaluate information from a variety of sources and communicate the principles in a way that is well organised and topical.

THIS ASSIGNMENT IS WEIGHTED AT 60% OF THE MODULE.

You are required to deliver a 15 minute poster presentation, **10 minutes of which will be you presenting your poster and 5 minutes of which will be for questions and discussion.** The poster will relate to the learning outcomes (LO's) illustrated above (LO1, 2, 3 and 4). It is important you refer back to the LO's throughout to ensure you are meeting the assignment requirements. The presentation should have a defined structure, and the poster should be submitted via Turnitin using the submission point provided. The quality of both the poster and the presentation will be taken into account.

You should research and present on a specific 'SNP', using this example to demonstrate how SNPs contribute to genetic variation and how knowledge of SNPs may be exploited in the study of human health (LO1 and 2).

You should ensure you demonstrate knowledge of the diverse scientific fields that encompass human genetics including clinical genetics, biochemical genetics and pharmacogenetics. Therefore if your first assessment focused on one of these areas, you should make efforts to include focus on at least one other field of human genetics in your presentation.

The methods of SNP identification are diverse and in addition you are required to critique two procedures routinely used with regards to efficacy and application (LO2,3 and 4).
We will have covered several SNPs within session which you may wish to research further to add depth to your assessment, or you could pick a SNP associated with a human disease that interest you.

SCIENTIFIC PRESENTATION STRUCTURE:

The presentation and question/discussion of your poster should last 15 minutes. You should plan to speak for 10 minutes, followed by 5 minutes for questions and discussion. It should adopt the following structure.

Title – indicates at first glance what it is you are discussing.

Sections of the presentation should be organised under headings. This forces you to classify information and helps you to remain relevant. You might consider including an introduction covering background information, aims and topic specific sections that link back to your learning outcomes.

The conclusion - starts by referring back to the purpose of the presentation, states the main points arising, and draws appropriate conclusions.

References should be included on the poster and, where appropriate, referred to during the presentation. Follow the approved guidelines on format for presentation of references.

Format of Presentation: Please bear in mind all guidance on oral presentations. Speak clearly, not too quickly, and don't rush through a huge amount of information. Give yourself a set of major points / bullet points to speak to, and expand on them as you speak. A diagram can be worth a thousand words, but only if it is clear and comprehensible and you use this to demonstrate a key point. Don't drop the font size on a poster to less than 22 point. Too small and no-one can read it. You may need this to be greater than 22 point depending on chosen font.

SUBMISSION DATE AS PER STUDENT PORTAL

To be submitted by ***4 PM*** on ***17/05/2023*** via Turnitin on the Module Blackboard site.