

# Reflections



# Genome Academy

## Timetable

- Carry out DNA barcoding
  - Practical work
  - Bioinformatics
- Hear about current research
- Experience the sequencing facilities
- Tour labs and data centre
- Consider the ethics of genomics
- Meet staff




# Plan for today

- Refresher
- Talk 'Lab automation'
- Lab and data centre tours
- Lunch
- Talk 'Applications of CRISPR'
- Ethics discussion
- Reflections
- Evaluation and certificates






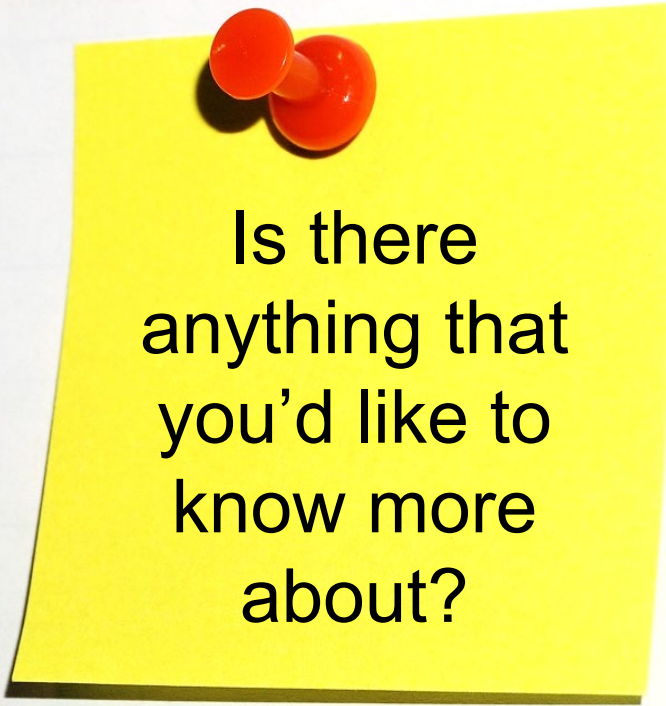
# Reflections



What have  
you learnt that  
was new?



What have  
you  
enjoyed?

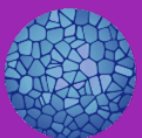


Is there  
anything that  
you'd like to  
know more  
about?

# What genomics research would you be interested in?

## Cellular Genetics

Define the cell types in the human body by studying expression of genes in single cells



**HUMAN  
CELL  
ATLAS**

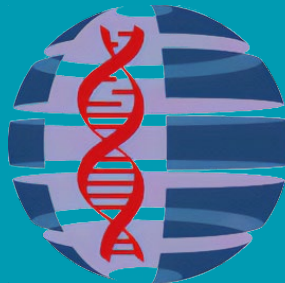
## Human Genetics

Discover the mutated genes that cause rare and common diseases



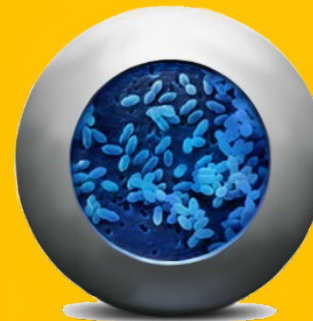
## Cancer, Ageing and Somatic Mutation

Understand the causes and consequences of DNA mutations throughout the body over the course of life



## Parasites and microbes

Understand the evolution of endemic and epidemic infectious diseases



## Generative Genomics

Predict and programme molecular biology by synthesising and engineering genomes



## Tree Of Life

Sequence the genomes of all species of life on Earth (starting with the UK and Ireland)



# Evaluation and certificates



# Evaluation

Please complete the post-course questionnaire, available here:

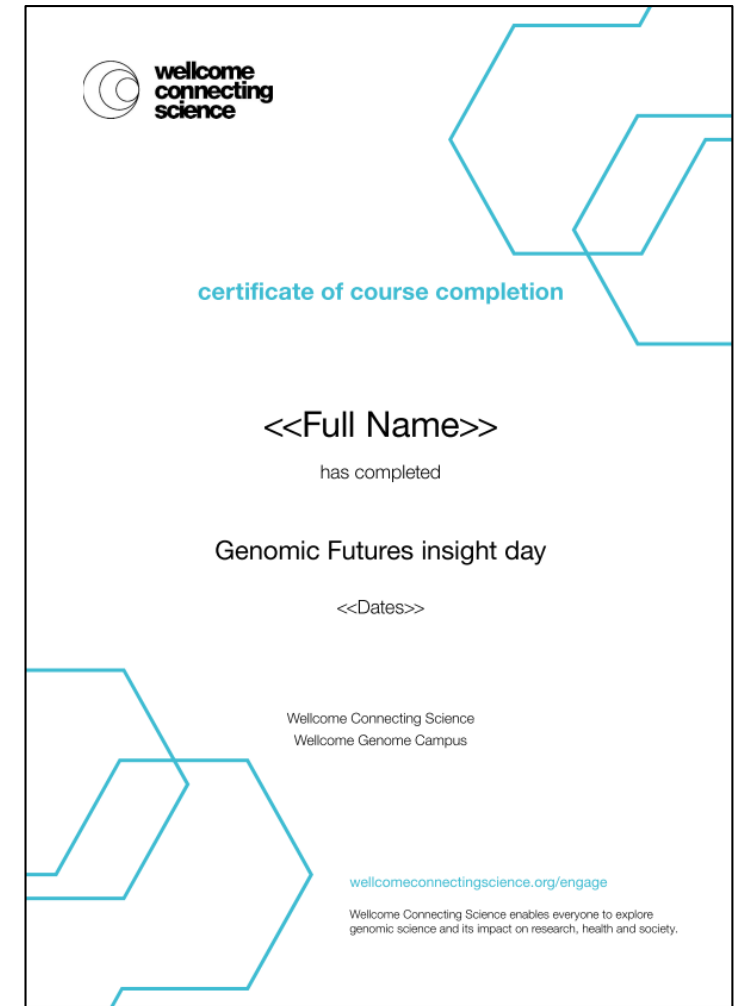
<https://forms.gle/ai2e5tpse1rrNsUD6>



**Genome Academy - Post-course  
Questionnaire**

# Presentation of certificates

Collect a certificate showing you have completed the Genome Academy course







**wellcome**  
**connecting**  
**science**

