**HANDS-ON INTRODUCTION TO GENE EDITING WITH CRISPR-CAS9 AND DNA SEQUENCING**

[Organiser: Add organisation name] presents a hands-on, guided workshop for a small group, introducing CRISPR-Cas9, a tool widely used to edit genes within organisms.

The CRISPR-Cas9 system originated in bacteria, but humans have repurposed these biological machines as a toolkit in laboratories. Come along to learn the theory behind this process and do an introductory bit of gene editing yourself in our community lab.

You will use CRISPR-Cas9 in a variant of baker’s yeast to change the colour of an expressed fluorescent protein, as well as discussing the applications, challenges and ethics inherent in using this technology.

Additionally, we will use an Oxford Nanopore MinION sequencer to explore the yeast’s genome sequence and to attempt to identify any changes we have introduced.

For adults with limited formal biology training. 3 evening classes, 2 weekend days; optional one-day weekend data analysis session.

**Dates**

Evening sessions: [Organiser: Add dates and times]

Hands-on CRISPR workshop: [Organiser: Add dates and times]

DNA sequencing workshop: [Organiser: Add dates and times]

Data analysis (optional) session: [Organiser: Add dates and times]

All sessions will be held at [Organiser: Add location]

**How to Apply**

Please complete this form. All applicants will be contacted by Friday 21st February.

**Further Information**

[Organiser: Add any further information here; example below]

This workshop is a pilot of new educational materials, funded by the Mozilla Foundation. As such, there is no charge for participation. The trainers are not CRISPR-cas9 or sequencing experts but are keen intermediate users who wish to share the excitement and possibilities of modern biological tools. All materials are in development, so we welcome your feedback, especially if a few things are still rough around the edges!

**Contact Details**

If you have any questions, please contact [Organiser: Add primary contact address]

**COMMUNICATIONS STRATEGY**

Materials required:

1. Circulate above details on Meetup and in local community groups.
2. Make a shiny PDF version for attaching to emails.
3. Write a short blurb for department email / company reception circulation.
4. Distribute via existing newsletters