



# **RAGE**

**Rabies Accessible  
Genomic Epidemiology**

**TRAINING  
WORKSHOP**

NCDC, Abuja  
12-16<sup>th</sup> Feb 2024



University  
of Glasgow

## Who are we?



Kirstyn Brunker



Criselda Bautista



Martha Luka



Kathryn Campbell



Sandeep Kasaragod



Smitha Abraham



## Workshop etiquette

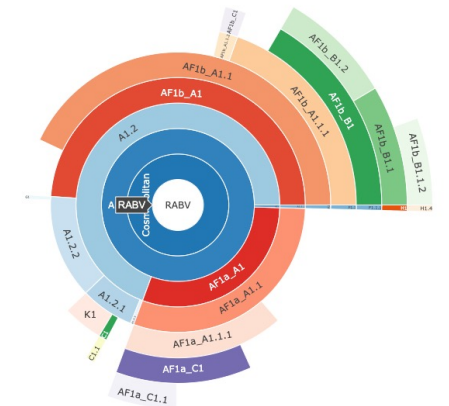
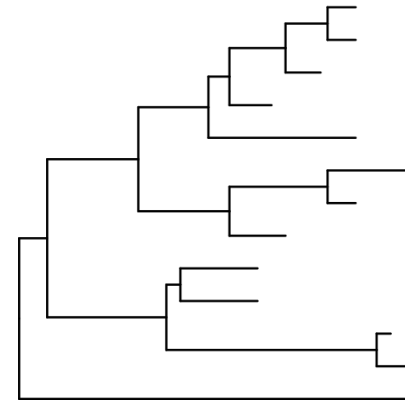
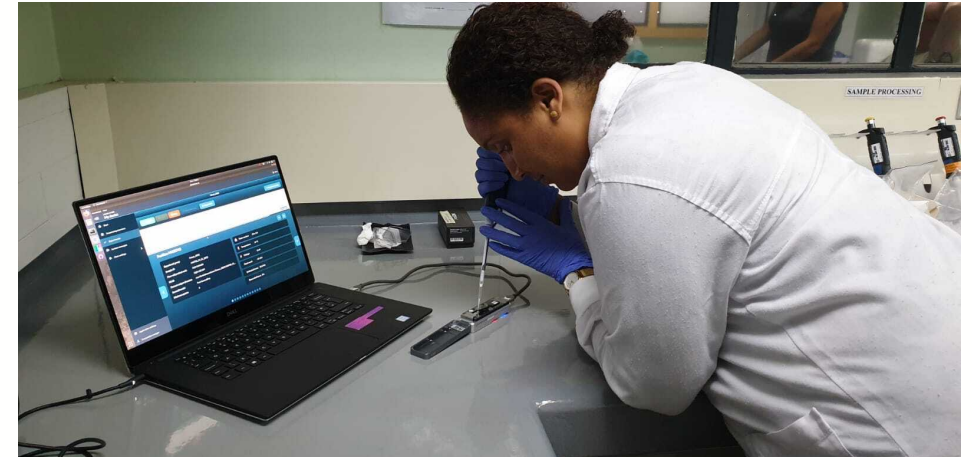
- Treat each other with respect
- General lab rules apply
- Turn off your cellphones
- For demonstrator attention: raise a hand
- Participants can ask questions at any time following a raised hand
- Everyone may take a moment to step out of the room discreetly without explanation at any time

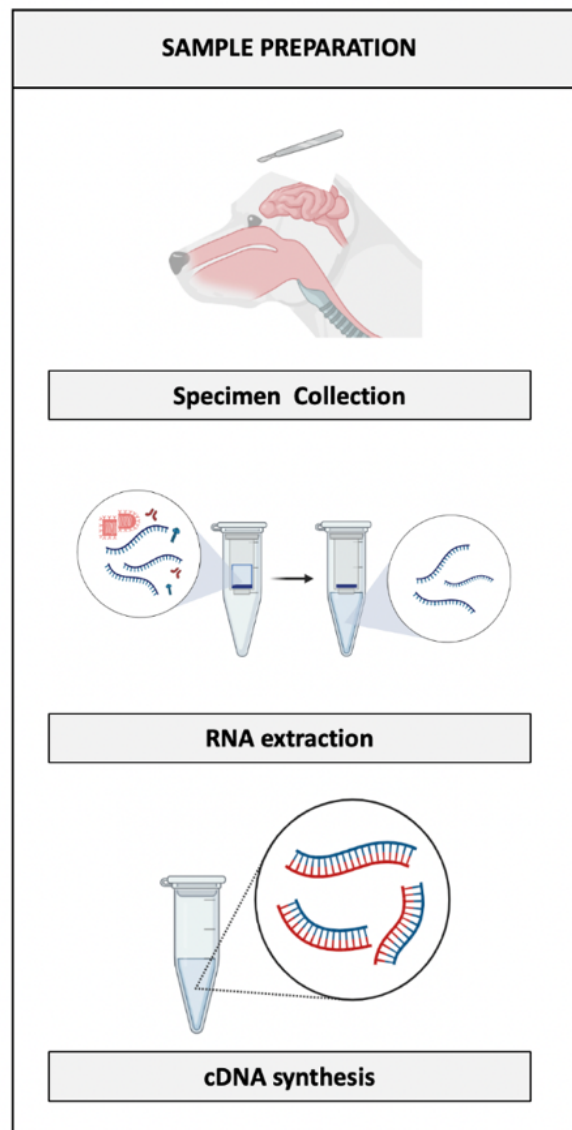




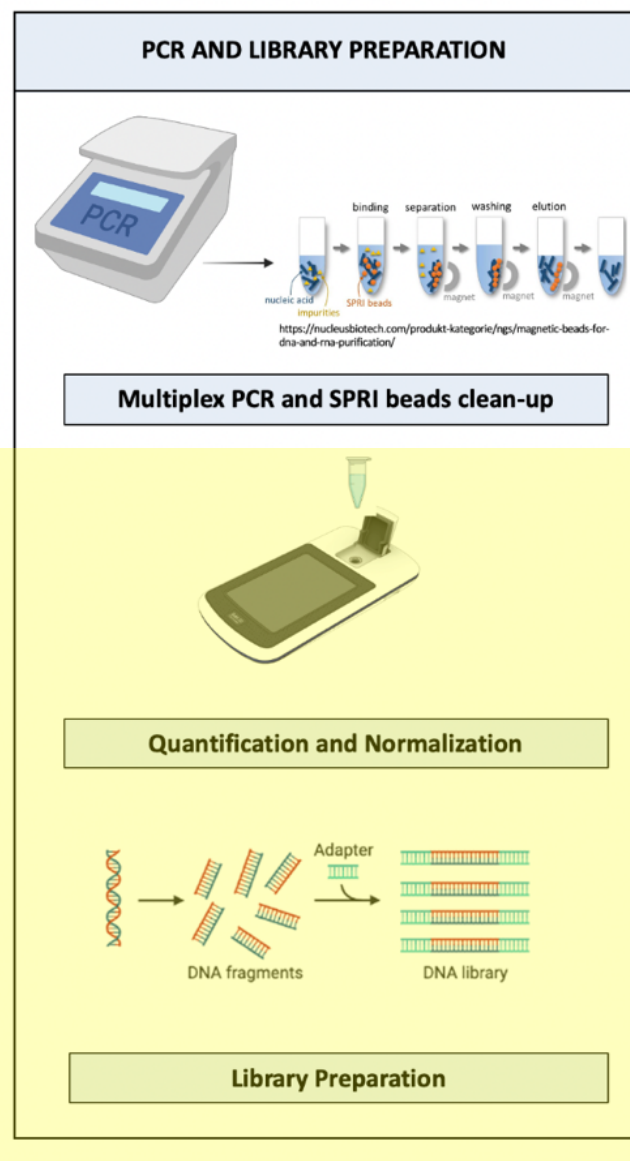
# Workshop content

- An introduction to genomic surveillance for rabies virus
  - Wet lab
    - Sequencing library preparation
    - Nanopore sequencing
    - Monitoring the run
  - Dry lab
    - Processing raw data
    - Building trees
    - Visualising & interpreting your data

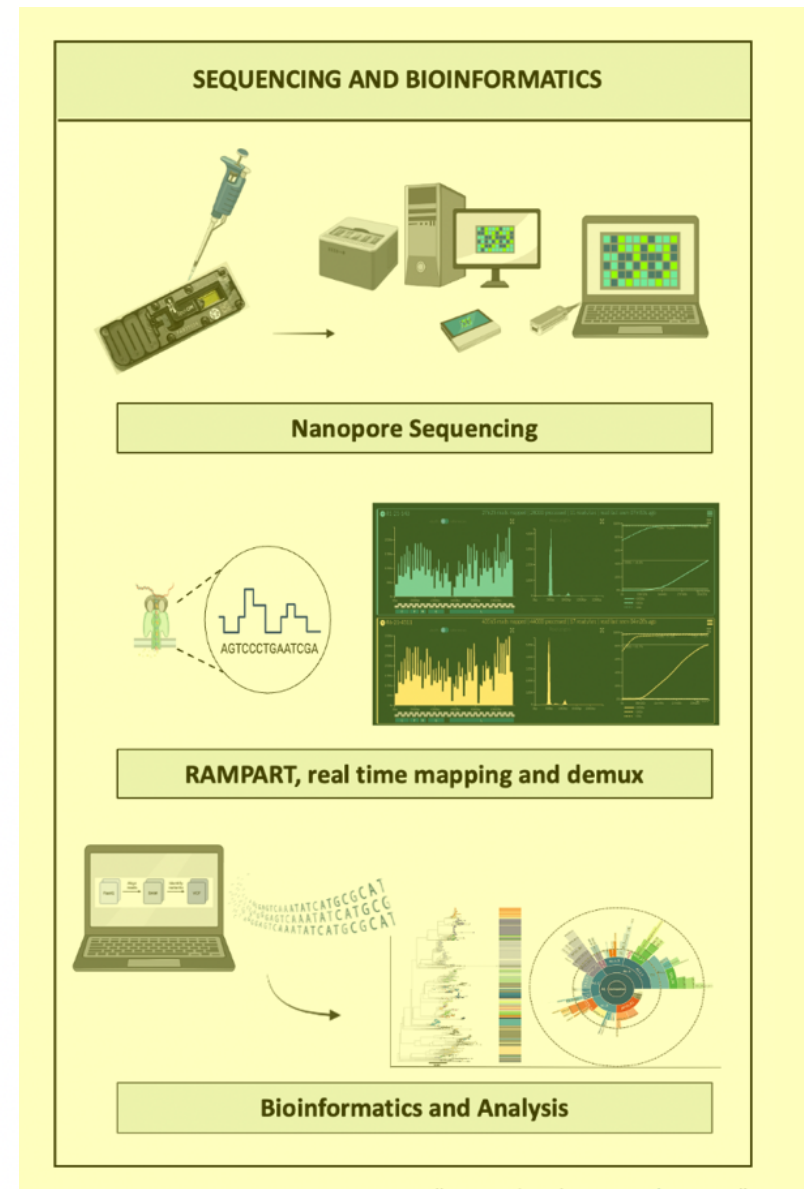




A



B



C

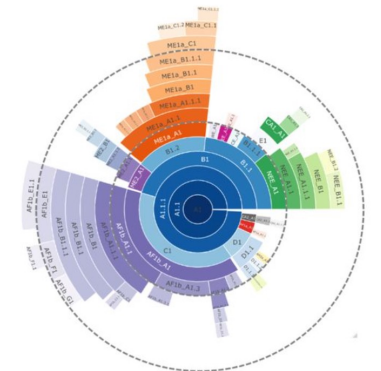
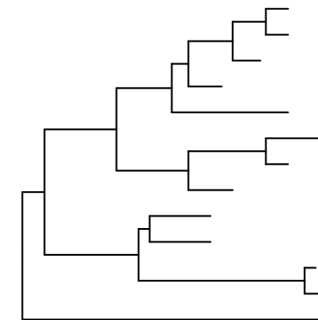
"Created with [BioRender.com.](https://www.biorender.com/)"

Bautista *et al.*, *JoVE*



# Schedule

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>OPENING</b> <b>WET LAB STARTER</b>	<b>WET LAB</b>	<b>WET LAB/DRY LAB</b>	<b>DRY LAB</b>	<b>DRY LAB</b>
Background & lab intro	Masterclasses & Nanopore library prep I	Nanopore library prep II & sequencing Intro to Bioinformatics	Bioinformatics pipeline Alignments & Phylogenies	Advanced analysis, interpretation & visualisation





## Intended learning outcomes

- An understanding of an end-to-end workflow for sequencing rabies virus
- Background theoretical knowledge
- Mastering key techniques
- How to apply "light-touch" analytical tools





University  
of Glasgow

**Who are you?**





University  
of Glasgow

## Quick poll

Join by Web [PollEv.com/kirstynbrunker994](https://PollEv.com/kirstynbrunker994)





## Icebreaker groups

1. Introduce yourself (name, position, where you are from)
2. What is your past experience (if any) with sequencing?
3. What are you hoping to gain from the workshop?