



Welcome!



RAGE

**Rabies Accessible
Genomic Epidemiology**

**TRAINING
WORKSHOP**

SCENE, University of Glasgow
26-30th June 2023



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of Glasgow

Who are we?



Kirstyn Brunner



Criselda Bautista



Gurdeep Jaswant



Kathryn Campbell



Laura Bergner



Rowan Durrant



Smitha Abraham



Martha Luka

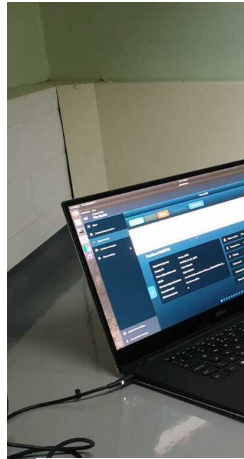



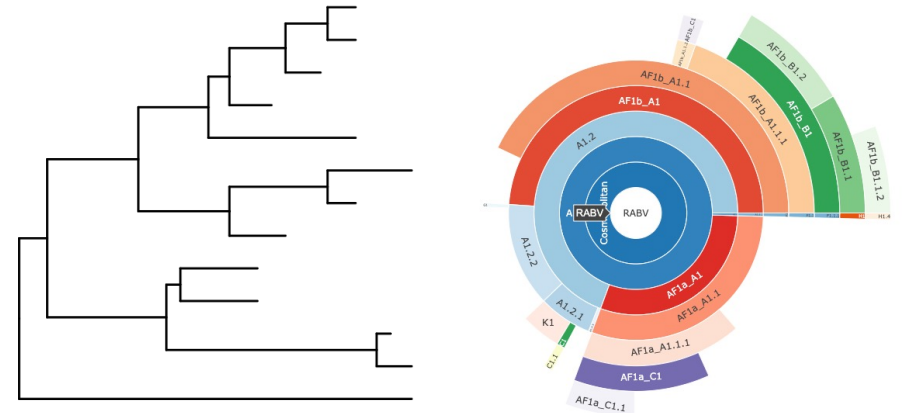
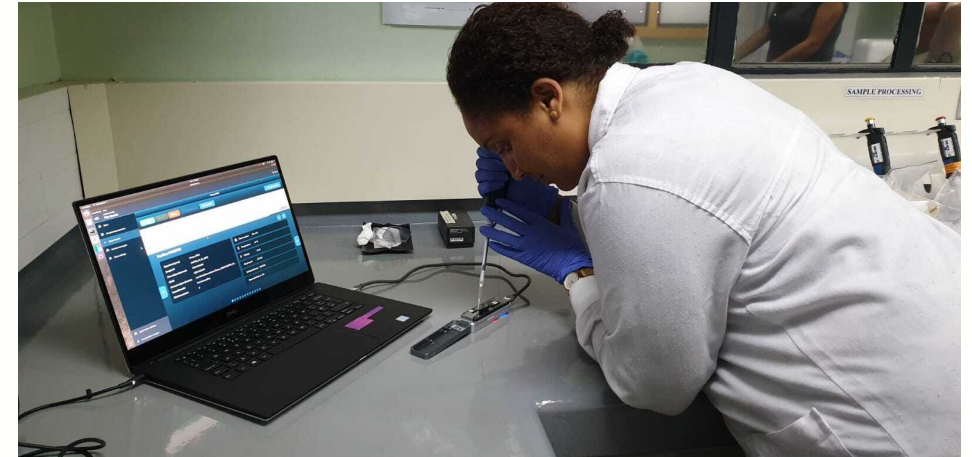
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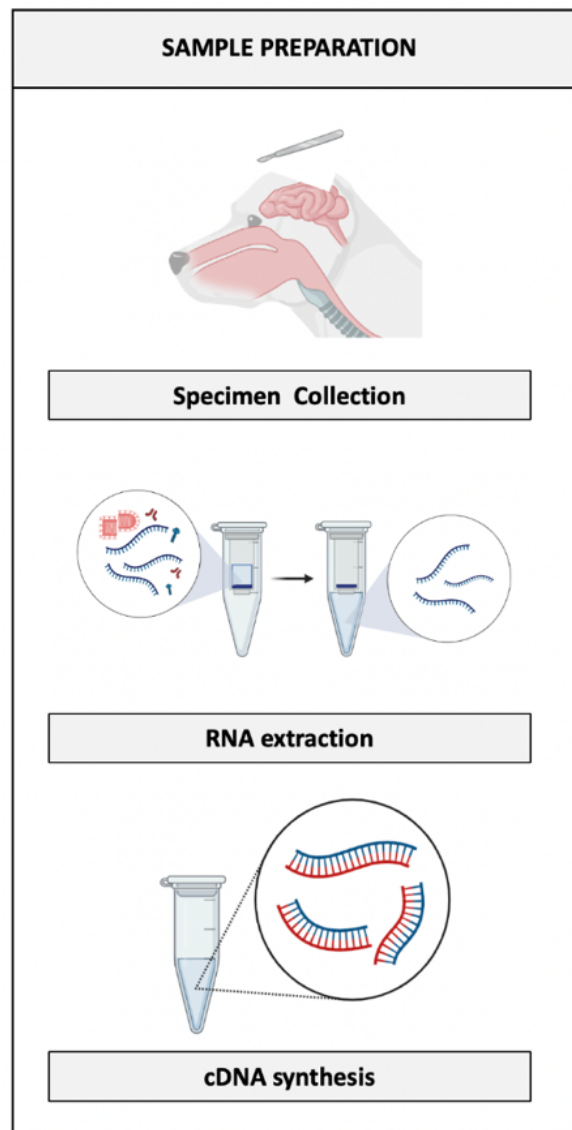
Workshop etiquette

- Keep off your phones!
- Demonstrator hands up- attention please
- General lab rules apply
- Respect each other

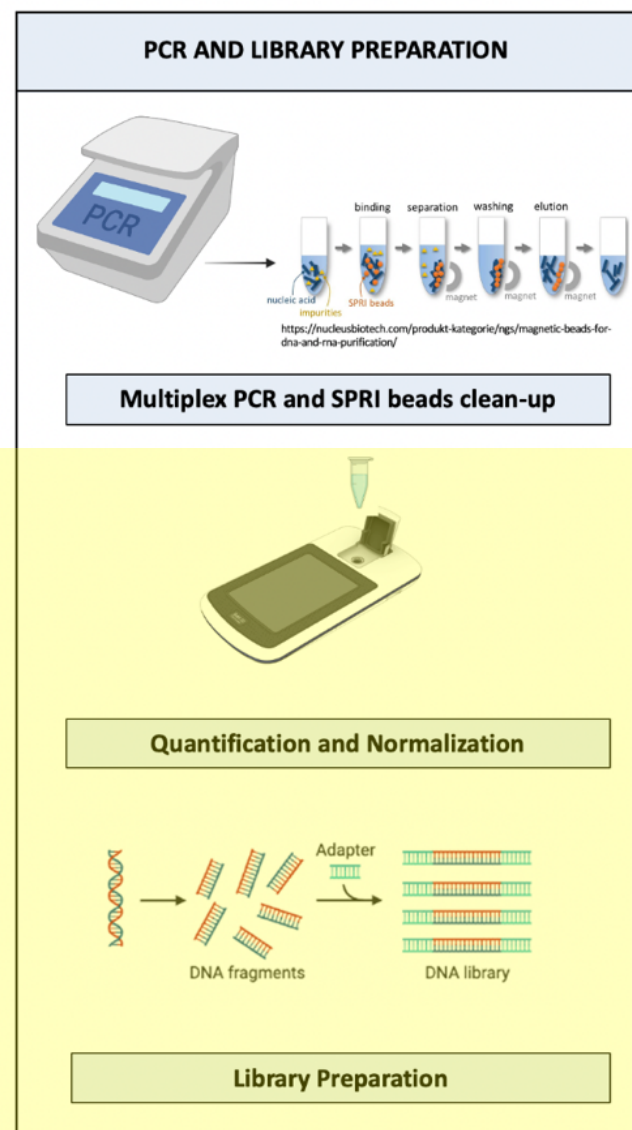
Workshop content

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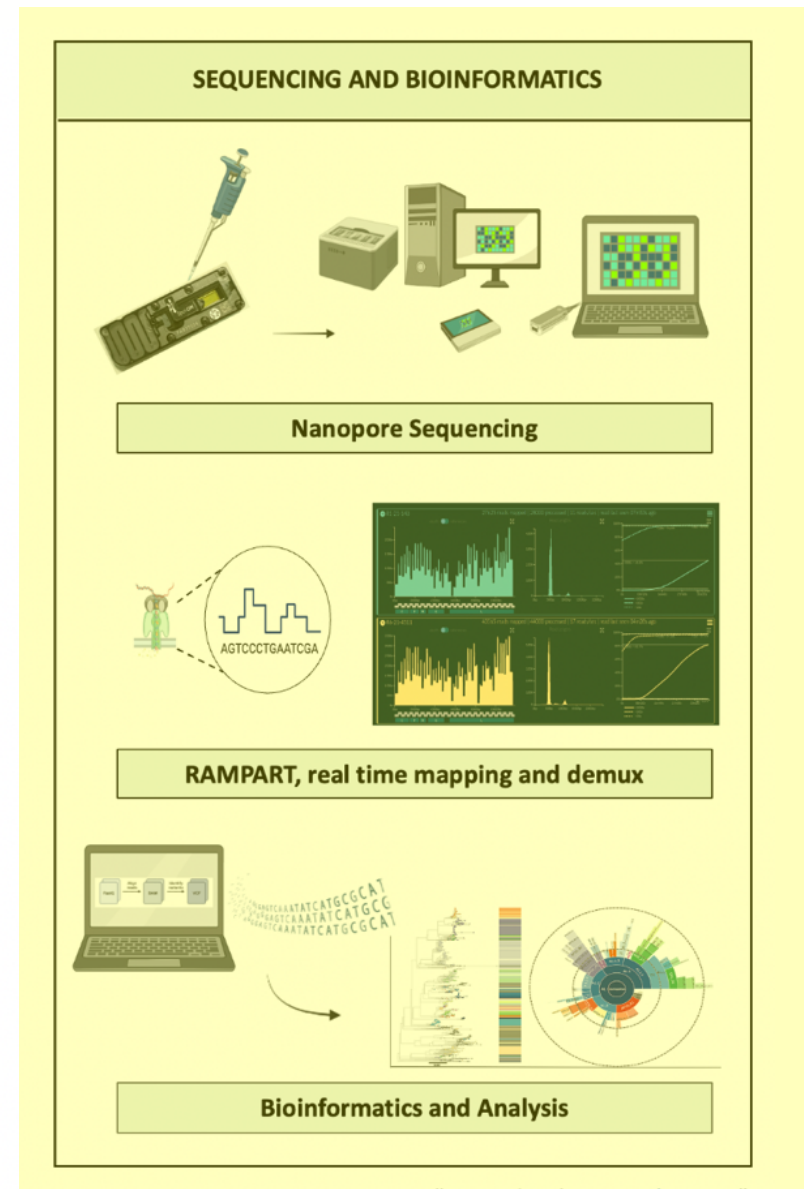




A



B



C

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

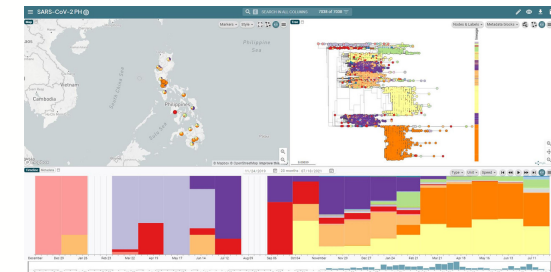
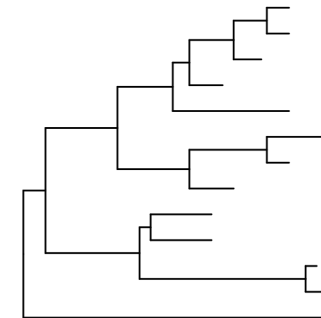


Schedule

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
AM	Welcome & Icebreaker!	Normalisation practical	Overview of data	Alignments	MADDOG
	<i>Intro seminars:</i> <ul style="list-style-type: none">• Genomic surveillance• Nanopore seq	Nanopore library prep	Intro to command line Bioinformatics pipeline	Tree building & visualisation	MADDOG interpretation
PM	<ul style="list-style-type: none">• Lab pipeline overview• Considering sample prep	Nanopore library prep	Bioinformatics pipeline	Tree annotation	Microreact
	Lab masterclass sessions	Sequencing <i>Seminar: RABV</i> seq in practice	Sequence QC	GenBank submission	

Schedule

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
INTRO AND WET LAB	WET LAB	DRY LAB	DRY LAB	DRY LAB
Background and lab masterclass sessions	Nanopore library prep & sequencing	Intro to bioinformatics	Alignments and phylogenetic trees	Advanced interpretation & visualisation





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What are your expectations?

POLL

<https://PollEv.com/surveys/fWiyeJySJ3mVr7VFiloHV/respond>



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Who are you?



Speed dating!

- Split into 2 groups
- 3 minute rounds
- Each person takes it in turn to answer set of questions (next slide)
 - Each answer q1 before moving on to next q... etc
- At the end of each round (DING!):
 - Group 1 stays seated
 - Group 2 rotates





Questions

1. Introduce yourself
2. What are you hoping to gain from the workshop?
3. If you could be an animal- what would you be and why?

Q1

Q2

Q3

NEXT