

# Module 3

## SARS-CoV-2 whole genome sequencing

### Day 4



28 May 2021

Pernille Nilsson

# Virtual Housekeeping



Please **turn off your cameras and microphones** – this will help with bandwidth and maximise audibility.



Do frequently **use Slack** to share comments and ask questions. Keep the chat constructive, respectful and on topic!



For Q&A's **use Slack to submit your questions!** Please upvote (give a thumbs-up) to the questions that you like.



The session is being **recorded for distribution to participants** as a post course resource as well as for future iterations of the course.

# Agenda

Friday 28<sup>th</sup> May 09.00 – 13.00 CET



Lectures






Exercises



SurveyMonkey

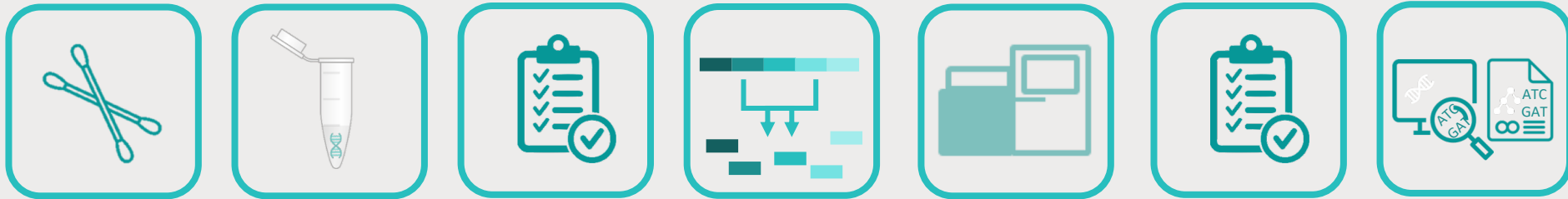
## Day 4: Friday– 28 May 2021 – Mutant impact assessment, data sharing and review of exercises/quizzes

Join Zoom call and Slack channel to attend

08.45 – 09.00	Joining the call – Assistance will be provided at this time to help participants join	
09.00 – 09.15	<b>Welcome and Introduction (Live)</b>	Pernille Nilsson (DTU, Denmark)
 09.15 – 09.45	<b>[12] Introduction to PyMol:</b> Predictive assessment of impact of mutations based on spike structure (For novel mutations). (Live)	Constantinos Kurt Wibmer (NICD, South Africa)
 09.45 – 10.00	<b>[12E] Exercise:</b> Plot given set of mutations on structure and suggest functional role for these. (Live)	Constantinos Kurt Wibmer (NICD, South Africa)
10.00 – 10.45	<b>BREAK</b>	
 10.45 - 11.15	<b>[13] Data sharing and uploading to GISAID:</b> Overview of the GISAID database, polices and uploading (including compulsory metadata). (Live)	Daniel Amoako and Anne von Gottberg (NICD, South Africa)
11.15 – 11.30	<b>Going through results from Quiz 7Q (Live)</b>	
11.30 – 12.00	<b>BREAK</b>	
12.00 – 13.00	<b>Going through results from 11E and 12E (Live)</b>	
13.00 – 13.15	<b>Q&amp;A and Close (Live)</b>	Pernille Nilsson (DTU, Denmark)

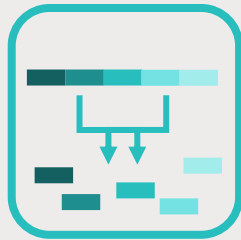
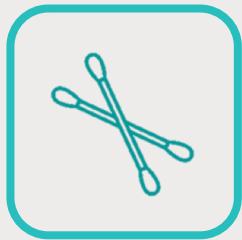
# [12] Introduction to PyMoL

Constantinos Kurt Wibmer (NICD, South Africa)



# [12E] PyMoL Exercise

Constantinos Kurt Wibmer (NICD, South Africa)





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# BREAK

10.00 – 10.45 CET



**UKaid**  
from the British people

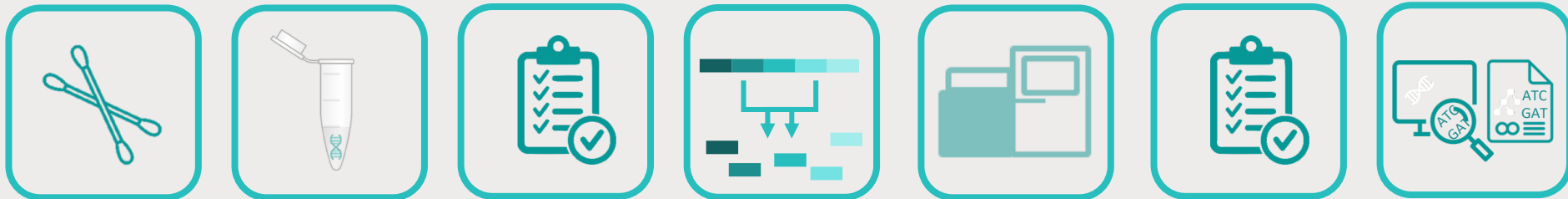


SEQAFRICA



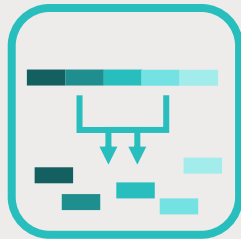
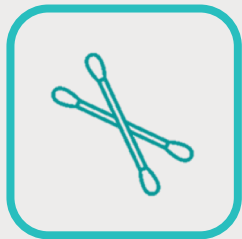
# [13] Data sharing and uploading to GISAID:

Daniel Amoako and Anne von Gottberg (NICD, South Africa)



# [Q] Going through results from Quiz 7Q

Thabo Mohale (NICD, South Africa)







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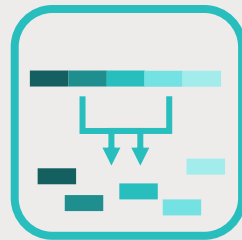
**BREAK**

**11.45 – 12.15 CET**



# [E] Going through results from 11E

Cathrine Scheepers, Daniel Amoako, Kurt Wibmer (NICD, South Africa)





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**Q&A**





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# Concluding remarks



- The quiz and exercise surveys will be open until Friday June 4<sup>th</sup> 2021 at 24:00 CET
- Access to video recordings of each day through Jottacloud
- Course evaluation Survey
  - Follow [this Survey Monkey link](#)
- Certificates of attendance

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[antimicrobialresistance.dk/seqafrica.aspx](http://antimicrobialresistance.dk/seqafrica.aspx)



[@AfricaSeq](https://twitter.com/AfricaSeq)

# Thank you



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