**PHA4GE Virtual Training Agenda (Module 2)**

There will be exercises connected to specific lectures. The participants will be provided with results for all exercises after submission of their answers (possibly during wrap-up of the day). We aim for shorter days to avoid screen fatigue for Module 2 (2 to 3.5 hours) and have “days off” in between.

The course will cover sequencing terminology, whole Genome Sequencing and the use of online tools. The opportunity of obtaining a workshop certificate is presented at the end of the course, provided that the following conditions are met:

* 80% attendance
* Completion of all assessments
* Completion of the post-course survey

Audience: None and novel users

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| **TRAINING DAY 1** |
| [1] **Discussion on Assignments**  Recap of Module 1 assignment (in preparation for module 2) using different datasets, including the interpretation of analysis results |
| [2] **Discussion on Assignments Continued**  Recap of assignment (in preparation for module 2) using different datasets, including the interpretation of analysis results |
| **TRAINING DAY 2** |
| [3] **Post-sequencing Analysis:** Introduction to Nextflow Tower, AMR pipeline, hAMRonization. |
| **Post-sequencing Analysis (Live Demo)** |
| **Set up of Cyberduck and testing**  **Set up Git Bash in Preparation for Day 4**  **Q&A** |
| [4] **Nextflow Tower Application:** Analysis and Interpretation of AMR analysis data from Nextflow Tower |
| **Exercise:** Analysis and Interpretation of AMR analysis data from Nextflow Tower |
| **TRAINING DAY 3** |
| [5] **Introduction to the command line**: |
| **Exercises:** Introduction to the command line |
| **TRAINING DAY 4** |
| [6] **Analysis of Data on the server via the command line:** Demo |
| **Exercises:** Analysis of Data via command-line |
| **Concluding remarks and close (Live)** |