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How to design and deliver pathogen genomics training for health and research professionals

Module 1B

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References

Black, A., MacCannell, D. R., Sibley, T. R., & Bedford, T. (2020). Ten recommendations for supporting open pathogen genomic analysis in public health. *Nature Medicine*, *26*(6), 832–841. https://doi.org/10.1038/s41591-020-0935-z

Hoang, T., da Silva, A. G., Jennison, A. V., Williamson, D. A., Howden, B. P., & Seemann, T. (2022). AusTrakka: Fast-tracking nationalized genomics surveillance in response to the COVID-19 pandemic. *Nature Communications*, *13*(1), 865. https://doi.org/10.1038/s41467-022-28529-9

Implementing pathogen genomics: A case study. (n.d.). GOV.UK. Retrieved September 19, 2022, from https://www.gov.uk/government/publications/implementing-pathogen-genomics-a-case-study

Johnson, S. B., & Parker, M. (2019). The ethics of sequencing infectious disease pathogens for clinical and public health. *Nature Reviews Genetics*, *20*(6), 313–315. https://doi.org/10.1038/s41576-019-0109-3

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References

Johnson, S., & Parker, M. (2020). Ethical challenges in pathogen sequencing: A systematic scoping review. *Wellcome Open Research*, *5*, 119. https://doi.org/10.12688/wellcomeopenres.15806.1

Luheshi, L. R., Sobia; Moorthie, Sowmiya. (2015). *Pathogen Genomics Into Practice*. PHG Foundation.

Milne, R., & Patch, C. (2022). Ethical Challenges Associated with Pathogen and Host Genetics in Infectious Disease. *The New Bioethics*, 1–13. https://doi.org/10.1080/20502877.2022.2109697

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Acknowledgements

This course was developed by a collaboration between the Centre for Genomic Pathogen Surveillance and Wellcome Connecting Science. It was brought to you by *T3Connect – Data Science and Genomic Pathogen Surveillance Training Programme*, funded by *UKRI*.

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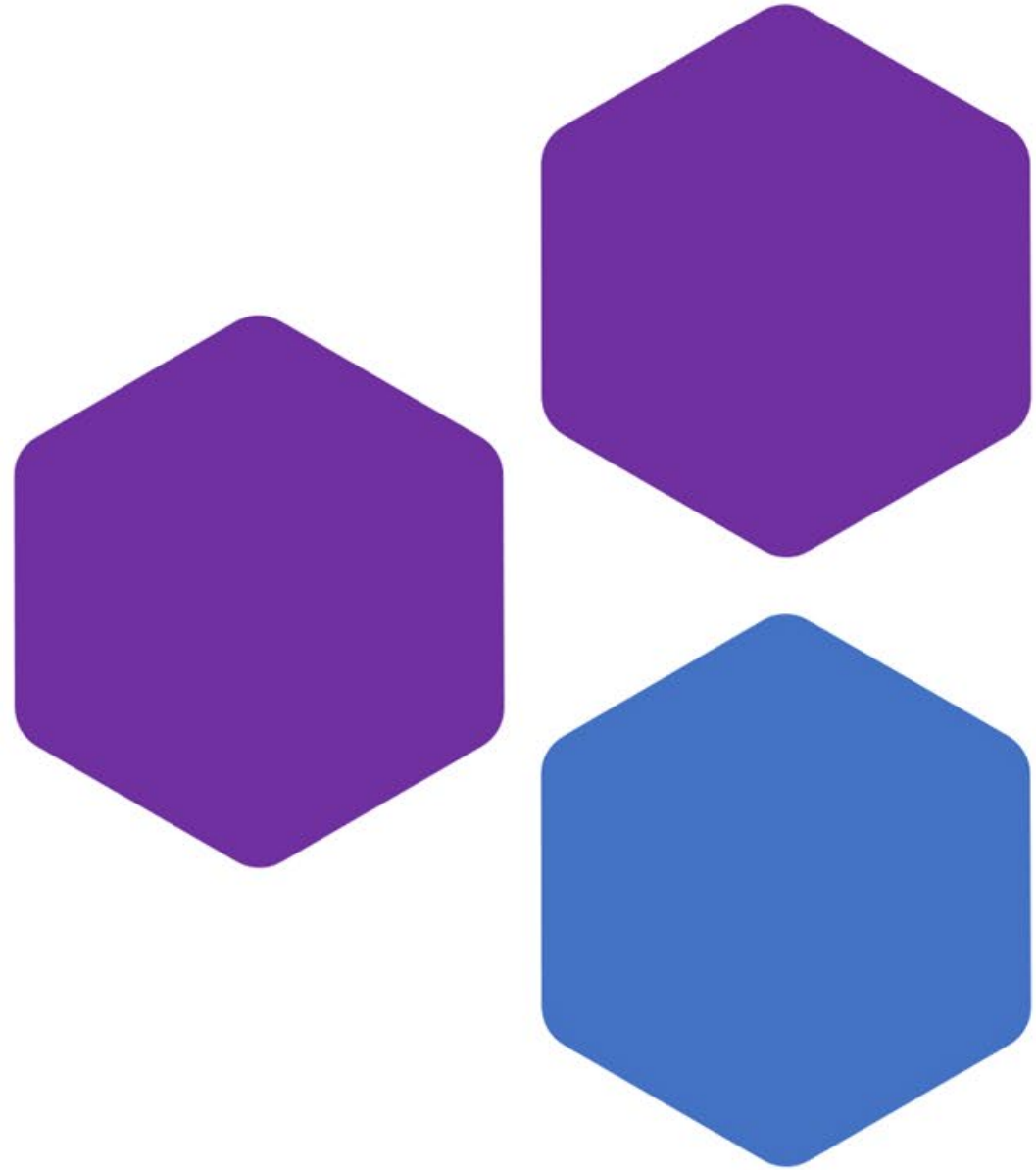

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