



Trainee & Program Details

Training Program

Infectious Diseases 2026

Training Program Phase *

Specialty foundation

Date of Learning*

05/05/2026

Learning Capture Details

Type of Learning *

Reading and resources

Title*

Principles of Clinical Microbiology for Infectious Diseases

Select the primary learning goal *

15. Microbiology

Learning Capture Details

Description of Activity *

I reviewed key chapters on microbial classification and diagnostic techniques from *Clinical Microbiology Made Ridiculously Simple* and attended a webinar on emerging diagnostic technologies. I also explored practical examples of how these technologies are applied in real-world scenarios to improve patient care.

What did you learn? *

I learned the principles of microbial taxonomy and identification, including culture-based methods and staining techniques. The webinar highlighted molecular diagnostics and advanced technologies like multiplex PCR and whole-genome sequencing for improving accuracy and reducing turnaround times. I also gained insight into integrating laboratory results with clinical context to guide appropriate treatment decisions.

How will you apply this learning in the future? *

I will use this knowledge to help me interpret microbiology reports more accurately and to better liaise with my microbiology colleagues. It will help me make more informed decisions in relation to microbiology investigation requests and interpretation of results. I plan to discuss these insights with my supervisors and colleagues to further tailor my diagnostic approach.

Assessor Feedback (optional)

Feedback From *

Dr Smith

Assessor Role *

Supervisor

Personal Message

Dear Dr Smith, could you please provide feedback on my learning capture related to Principles of Clinical Microbiology

Feedback Requested Date

05/05/2026

Feedback *

You have engaged well with the microbiology learning goal, using a mix of reading and webinar resources to build a strong foundation. Your reflection shows clear understanding of microbial classification and diagnostic techniques, and how these apply to interpreting lab results and guiding therapy. To strengthen this further, consider adding case-based discussions or observing lab workflows for practical insight.