



**Introducing Pharmig's**  
**Basic Microbiology Skills - Practical Training Course**  
**26th & 27th March 2024**  
**Designed so that you can attend either or both days (discounts apply)**  
National STEM Learning Centre – University of York

### **What is it?**

A 2-day course designed for those who are new to pharmaceutical microbiology. The course is laboratory-based and has a strong focus on practical techniques, as well as group exercises and lectures. Attendees will have the opportunity to practice fundamental techniques. Course contents include: culture maintenance, microbial identification, environmental monitoring, aseptic technique, and data integrity for the microbiology lab.

- You will leave this course with a clear understanding of not only what happens in a microbiology lab, but why the tests are performed and how to document them correctly.
- Training in the basics will help you to:
  - Understand contamination risks to the process
  - Evaluate the effectiveness of current control measures
  - Maintain compliance with cGMP and data integrity expectations for the laboratory

### **Who should attend?**

Attendees should have a basic grasp of microbiology theory, but only limited or no practical experience. This course is ideal for new lab technicians, graduates, apprentices, and anyone new to the microbiology laboratory environment, as well as managers, production, engineering and QA staff wanting to understand the basics of microbiology laboratory practice.

Delegates may attend just one, or both of the training days.

Delegates are welcome to submit questions in advance and during the course

### **Feedback from attendees who attended the September 2023 course include**

- Comprehensive coverage of ID testing and the actual performance
- An opportunity to gain deep knowledge in micro
- All topics explained in detail. Presentation slides and printouts great.
- Pharmacopoeia knowledge, different ID testing methods, explaining the background/mechanisms to why we use / perform things
- Interesting and very interactive. Presenters great at answering questions
- Good practical experience & good lectures with good explanations

# AGENDA

## Tuesday 26<sup>th</sup> March 2024

- 08.30-09.00**            **Tea/Coffee & Registration**
- 09.00 – 09.10**            **Introduction & Welcome**
- 09.10 – 09.30**            **Good QC Laboratory Practice**
- Health and safety
  - Aseptic technique
- 09.30 – 12.30**            **Identification Part 1 (PRACTICAL)**
- The principals of microbial identification
  - Colony morphology
  - Obtaining a pure culture
  - Microscopy good practice
  - Cellular morphology
  - Gram stain & KOH
  - Basic biochemical tests
- 12.30 - 13.15**            **Lunch**
- 13.15 – 15.15**            **Identification Part 2**
- Full identification using phenotypic, genotypic or proteomic methods
  - Selecting an appropriate identification system
  - Working with contract laboratories
  - API set-up (PRACTICAL)
- 15.15 - 16.15**            **Sampling & Environmental Monitoring**
- Aseptic sampling practices
  - Water sampling
  - EM sampling methods
  - The limitations of environmental monitoring
  - Handling data and reacting to trends
  - GROUP EXERCISE – EM Risk Assessment

***Note: for the afternoon sessions tea breaks will be at appropriate times***

## Wednesday 27<sup>th</sup> March 2024

- 08.45-09.00**            **Tea/Coffee**
- 09.00 -12.00**            **Enumeration of Microorganisms (PRACTICAL)**
- Purpose of enumeration and meaning of CFU
  - Good pipetting technique
  - Preparing a dilution series
  - Colony counting and interpretation of results
- 12.00 – 12.45**            **Lunch**
- 12.45 – 13.30**            **Identification Part 2 (PRACTICAL)**

- Reading API strips
- Interpretation of ID results

**13.30 – 14.45**

**Microbiological Media**

- Preparation and storage of media
- Selective and differential media
- QC of media

**14.45 – 15.00**

**BREAK**

**15.00 – 15.40**

**Culture Maintenance**

- Culture collections
- Cell banking
- Culture maintenance – storage, resuscitation and QC
- Ready to use commercially available cultures
- Appropriate use of in-house isolates

**15.40 – 16.15**

**Pharmacopoeial Standards**

- The development and structure of pharmacopoeia
- Harmonisation of pharmacopoeial methods
- Qualification of pharmacopoeial methods
- Validation of non-compendial methods
- Managing pharmacopoeial updates

**16.15 – 16.30**

**Q&A and Closing Remarks**

\*Programme subject to change due to unforeseen circumstances

**FEES:**

**Attending 1 day**

- |              |      |                |      |
|--------------|------|----------------|------|
| • Member     | £595 | Non-Member     | £795 |
| • NHS Member | £350 | NHS Non-Member | £450 |

**Attend BOTH days and receive a 20% discount**

- |              |                         |                |                           |
|--------------|-------------------------|----------------|---------------------------|
| • Member     | £952 (discount applied) | Non-Member     | £1,272 (discount applied) |
| • NHS Member | £600 (discount applied) | NHS Non-Member | £800 (discount applied)   |

**Note:** Fees include lunch, refreshments and links to download presentations in advance of the course if presentations are available.

**Note:** Fees do not include accommodation, which must be booked and paid for directly with your venue of choice

**DELEGATE BOOKING FORM - Please tick which date(s) you wish to attend**

Tuesday 26th March 2024

Wednesday 27th March 2024

BOTH days 26<sup>th</sup> & 27th March 2024

Company Name & Address: \_\_\_\_\_  
\_\_\_\_\_

Contact Name (if different from those attending) \_\_\_\_\_

Contact Email: \_\_\_\_\_ Tel: \_\_\_\_\_

**Delegate 1**

First Name: \_\_\_\_\_ Surname: \_\_\_\_\_

Job Title: \_\_\_\_\_ \* Email: \_\_\_\_\_

Dietary requirements: \_\_\_\_\_

**Delegate 2**

First Name: \_\_\_\_\_ Surname: \_\_\_\_\_

Job Title: \_\_\_\_\_ \* Email: \_\_\_\_\_

Dietary requirements: \_\_\_\_\_

**\*Please include your email address if you wish to continue to be contacted by Pharmig about these and future meetings**

**PAYMENT INFORMATION**

Email your completed booking form for a confirmed place: Email: [info@pharmig.org.uk](mailto:info@pharmig.org.uk)

**Please tick the relevant box below**

Please raise an invoice to cover the delegate fee(s) £/€ \_\_\_\_\_

**UK BACS** Sort code: **60 19 28** Account: **80843867** £/€ \_\_\_\_\_

Wire Transfer:  
Natwest Bank, 118 High Street, Slough, Berkshire SL1 1JH £/€ \_\_\_\_\_

SWIFT (BIC) NWB KGB2L Account: **80843867**  
IBAN GB64 NWBK 6019 2880 843 867

Please quote company approved purchase order no \_\_\_\_\_ £/€ \_\_\_\_\_

I/we wish to pay by credit card (Pharmig will contact you for details)

## **VENUE**

National STEM Learning Centre  
The University of York  
Heslington  
York  
YO10 5DD

## **ACCOMMODATION**

- The National Stem Learning Centre does have limited bedrooms available nearby at Franklin House
- B&B £45+vat
- Attendees need to contact direct to book available rooms – please quote Pharmig to receive the discounted rates. Tel No. 01904 328 300
- Franklin House is between Alcuin College and the STEM Centre and is used exclusively for visiting guests to the university.

## **A selection of additional nearby accommodation**

These need to be booked directly by individuals. No rates have been agreed directly with Pharmig

- Travelodge York Hotel (0.4 miles away from National STEM Learning Centre)
- Guy Fawkes Inn (1.5 miles away from National STEM Learning Centre)
- The Fat Badger (1.5 miles away from National STEM Learning Centre)

## **CANCELLATION POLICY:**

- Written cancellation will be accepted up to 30 days prior to the event, and all cancellations will incur a fee. No refunds are available 15 working days before the start date and full course fees will be due for delegates who fail to attend. Substitutions may be made at any time, preferably in writing to Maxine Moorey.
- Please send to: Maxine Moorey, Pharmig, T5 The Maltings, Roydon Road, Stanstead Abbots, Hertfordshire, SG12 8HG or by email: [maxine@pharmig.org.uk](mailto:maxine@pharmig.org.uk)

**PRIVACY POLICY:** By registering for these events, I accept the processing of my Personal Data. Pharmig will use my data for the processing of this order for which I hereby declare to agree that my personal data is stored and processed. Pharmig will only send information in relation to this order or similar events/publications/training courses etc. Pharmig may send your name and company only to other companies attending the same event in the form of an attendee list. Your full personal data will not be disclosed to third parties (see also privacy policy at <https://www.pharmig.org.uk/en/privacy-policy/>). You can ask for the modification, correction or deletion of your data at any time via an email to [maxine@pharmig.org.uk](mailto:maxine@pharmig.org.uk)