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Statement of participation

Guest user

has completed the free course including any mandatory tests for:

Introduction to microscopy

This 3-hour free course provided an introduction to microscopy and the use of stains for studying tissue sections.

Issue date: 14 March 2022

www.open.edu/openlearn

This statement does not imply the award of credit points nor the conferment of a University Qualification.
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:
https://www.open.edu/openlearn/science-maths-technology/biology/introduction-microscopy/content-section-0

COURSE CODE: **S210_2**

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Introduction to microscopy

https://www.open.edu/openlearn/science-maths-technology/biology/introduction-microscopy/content-section-0

Course summary

This free course provides an introduction to microscopy and the operation of a simple light microscope, of the type found in histology courses and teaching laboratories. It outlines different methods used for preparing and staining tissue sections for microscopy, and explains how different stains can be used to identify particular cells, pathogens and anatomical structures.

Learning outcomes

By completing this course, the learner should be able to:

- identify and understand the principle components of a light microscope
- understand in outline, the principles of optics that apply to light microscopes
- set up and use a light microscope
- understand why different staining procedures are used on tissue sections
- understand the principles of immunohistochemistry.

Completed study

The learner has completed the following:

Section 1

Microscopy

Section 2

Additional systems on light microscopes

Section 3

Histochemical techniques

Section 4

Immunohistochemistry (IHC)

Section 5

Interpreting the appearance of sections

Section 6

Fluorescence microscopes