

## Statement of participation

# Tetiana Surodeikina

has completed the free course including any mandatory tests for:

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### Infection and immunity

This free course introduced infectious diseases and the biological agents that invade our bodies and cause them: pathogens.

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**Issue date:** 7 November 2023



[www.open.edu/openlearn](https://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/health-sports-psychology/infection-and-immunity/content-section-overview>

COURSE CODE: **SDK100\_1**

## Infection and immunity

<https://www.open.edu/openlearn/health-sports-psychology/infection-and-immunity/content-section-overview>

### Course summary

In this free course, Infection and immunity, you will be introduced to infectious diseases and to the biological agents that invade our bodies and cause them: pathogens. You will also learn about the immune system, the human body's vital defence against pathogens. Along the way you will learn about the scientific method and how it has helped scientists understand pathogens and aid the prevention of infectious disease. But the challenge is ongoing. Pathogens are everywhere and come in all shapes and sizes. As you will see, the fight against infectious disease remains critical for global health today.

### Learning outcomes

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

- distinguish between symptoms and signs of an infectious disease and illustrate how they are combined in making a diagnosis
- summarise the main direct and indirect transmission routes by which pathogens pass from person-to-person, from other animals, or from the environment to humans
- appreciate the usefulness of combining systematic observations and measurements with testable hypotheses (the scientific method) in understanding infectious disease
- distinguish between the six main types of pathogen multicellular parasites, single-celled protists, fungi, bacteria, viruses and prions
- summarise the main features of human defences against infection.

### Completed study

The learner has completed the following:

#### Session 1

Session 1: Introducing human infectious diseases

Session 1 quiz (score 94%)

#### Session 2

Session 2: Scientific lessons from the history of infectious diseases

Session 2 quiz (score 100%)

#### Session 3

Session 3: Pathogens and human infectious disease

Session 3 quiz (score 96%)

#### Session 4

Session 4: Immune defences against infectious diseases

Session 4 quiz (score 98%)