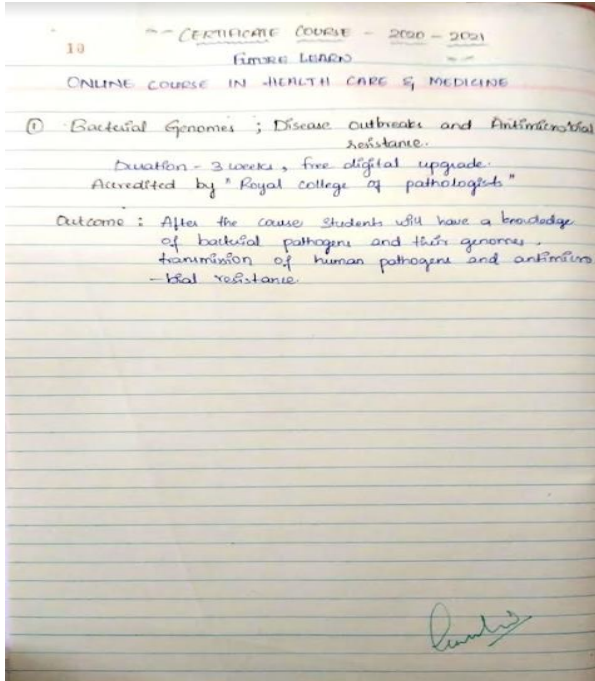


ONLINE CERTIFICATE COURSE
 ORGANIZED BY DEPT. OF MICROBIOLOGY 2020-21
 FACULTY: J. SRIDEVI
 PLATFORM: FUTURELEARN
 NO. OF STUDENTS REGISTERED: 15



00-2-2021 BSC 5th year Microbiology
 Registration Drive for Moocs -
 www.futurelearn.com

S.No	Name	Dist ID	Title of the Course (Weeks/3 hrs)
1.	Muzhu Jabli	TI2059212704	Bacterial Genomes: Disease Outbreaks & Antimicrobial Resistance
2.	Namrathaji Vaidhnavi	TI2037204917	Bacterial Genomes: Disease outbreaks & Antimicrobial Resistance.
3.	Syeda Ahsrah	TI2061228628	Antimicrobial & Antibiotic Resistance course
4.	Habiba	TI1860230443	
5.	D. Laxmi Prasanna	TI1822210461	Caring for children moving home: Protecting unaccompanied and separated children. Bioinformatics for Biologists.
6.	T. Shilpa Vardhan	722061207197	
7.	Thottimpudi Anusha	TI1959224515	Bioinformatics for Biologists
8.	A. Mounika	TI2054202057	Bacterial Genomes Disease outbreaks and antimicrobial resistance
9.	D. Sushmitha	TI2059203651	Bioinformatics for Biologists
10.	k. Yamini	TI2060213930	Genomic Technologies in Clinical Diagnostics: Next Generation Sequencing
11.	Ch. Aparna	TI2061207602	Caring for children moving home: Protecting unaccompanied & separated children.

TRANSCRIPT

WELCOME TO THE ADVANCED COURSES AND SCIENTIFIC CONFERENCES

T. Shilpa Vardhan

has completed the following course:

BACTERIAL GENOMES: DISEASE OUTBREAKS AND ANTIMICROBIAL RESISTANCE

WELCOME GENOME CAMPUS ADVANCED COURSES AND SCIENTIFIC CONFERENCES

Accredited by

83%
AVERAGE TEST SCORE

The course covered bacterial genomes and pathogenic bacteria, genome sequencing technology, genomic epidemiology, disease outbreaks, and antimicrobial resistance. The course focused on how bacteria evolve to become effective pathogens and how genome sequencing and signatures of evolution are used to identify and track the spread of pathogenic and drug resistant bacteria in communities and between countries, and in the prevention of antimicrobial resistance.

STUDY REQUIREMENT
3 weeks, 3 hours per week

LEARNING OUTCOMES

- Explain why some bacteria are pathogenic
- Explore the structure of bacterial genomes
- Describe the uses of different genome sequencing technologies
- Investigate how genome data are used to track the spread of bacterial disease
- Discuss the role of genome sequencing in stopping the spread of antimicrobial resistance

SYLLABUS

- Diseases caused by bacteria
- What bacterial genomes look like
- Genome sequencing technology
- Mechanisms of transmission and resistance
- Genomic epidemiology – tracking the spread of bacterial pathogens
- Antimicrobial resistance

ACCREDITATION
The Royal College of Pathologists (RCPath) has accredited this course for 9 Continuing Professional Development (CPD) credits. This applies to medical staff and clinical scientists in

career grade posts who are enrolled with one of the Royal Colleges for CPD purposes.

The Royal College of Nursing (RCN) has approved this course for 9 Continuing Professional Development (CPD) credits from 22 May 2019 to 21 May 2020. Accreditation applies only to the educational content and not to any product. The Royal College of Nursing cannot confirm competence of any practitioner.

This transcript should be read alongside the accompanying Certificate of Achievement. For more information about transcripts visit futurelearn.com. Issued 19th April 2020. futurelearn.com/learn/learn/229462