



Cancer Growth, Spreading and Treatment (E4MED001C)

Introduction

Cancer is one of the most common diseases in worldwide and causes burden on our society. In this course, we will have overview on cancer from the fundamental knowledge of cancer development, diagnosis, and treatment aspects. Moreover, some new trends of cancer treatment (e.g. targeted therapy, hormonal therapy, immunotherapy) will also be discussed. Besides, hands-on experiments are designed to demonstrate the anti-growth and anti-spreading effects of anti-cancer compounds/ drugs. To raise students' awareness about cancer-related social and moral issues, topics such as keeping quality life of cancer patient, pros and cons of personalised medication, theory and practice of palliative care, etc. will be explored.

Remark: Some contents in this course are similar to those in Biotechnology I Course (Level 4): Cancer–From Beginning to End (TECS2603) offered in 2018/19 school year.

Programme Type / Level

Medical Science Course (Level IV) ([Token-required](#))

Instructor(s)

Dr YUE Ying Kit Patrick

Pre-requisite

- Students with primary interest on biology, chemistry and medical science;
- Biology and chemistry knowledge of S4 or above level is preferred.

Target Participants

- S3-S6 HKAGE student members
- Class size: 30

Medium of Instruction

English with English Handouts

Certificate

E-Certificate will be awarded to participants who have:

- ❖ Attended **ALL 4** sessions AND
- ❖ Completed all the assessments with satisfactory performance.

Intended Learning Outcomes

Upon completion of the programme, participants should be able to:

1. describe the basic knowledge of causes, growth and spreading of cancer, e.g. carcinogenesis and tumorigenesis;
2. explain the mechanisms of both conventional and novel cancer treatment methods, e.g. conventional anti-cancer drugs, targeted therapy;
3. identify cancer-related social and moral issues, e.g. palliative care, life extension and quality;
4. understand the concepts of practical tests and experimental design of anti-cancer drugs and analyse of results.

Screening

Please answer the screening question in the online application form.

*The screening question is designed to help the applicant understands the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question. Only students who can demonstrate motivation and the knowledge of medical science in the screening question can be enrolled in the programme.

Application
Deadline

18 Feb 2021, 12:00 n.n

Application Result
Release Date

26 Feb 2021

If student members withdraw from the programme after the Application Deadline, the token will be deducted.

Schedule

Session	Date	Time	Venue
1	10 Apr	9:00 a.m. - 12:00 n.n.	HKAGE
2		1:00 p.m. - 4:00 p.m.	Physics Laboratory, Buddhist
3	17 Apr	9:00 a.m. - 12:00 n.n.	Kok Kwong Secondary
4		1:00 p.m. - 4:00 p.m.	School

Enquiries

For enquiries, please contact Academic Programme Development Division on 3940 0101 after language selection, press "1".

SCIENCES

科學