

Co-organisers:



Supporting  
Organisation:

教育局  
Education Bureau



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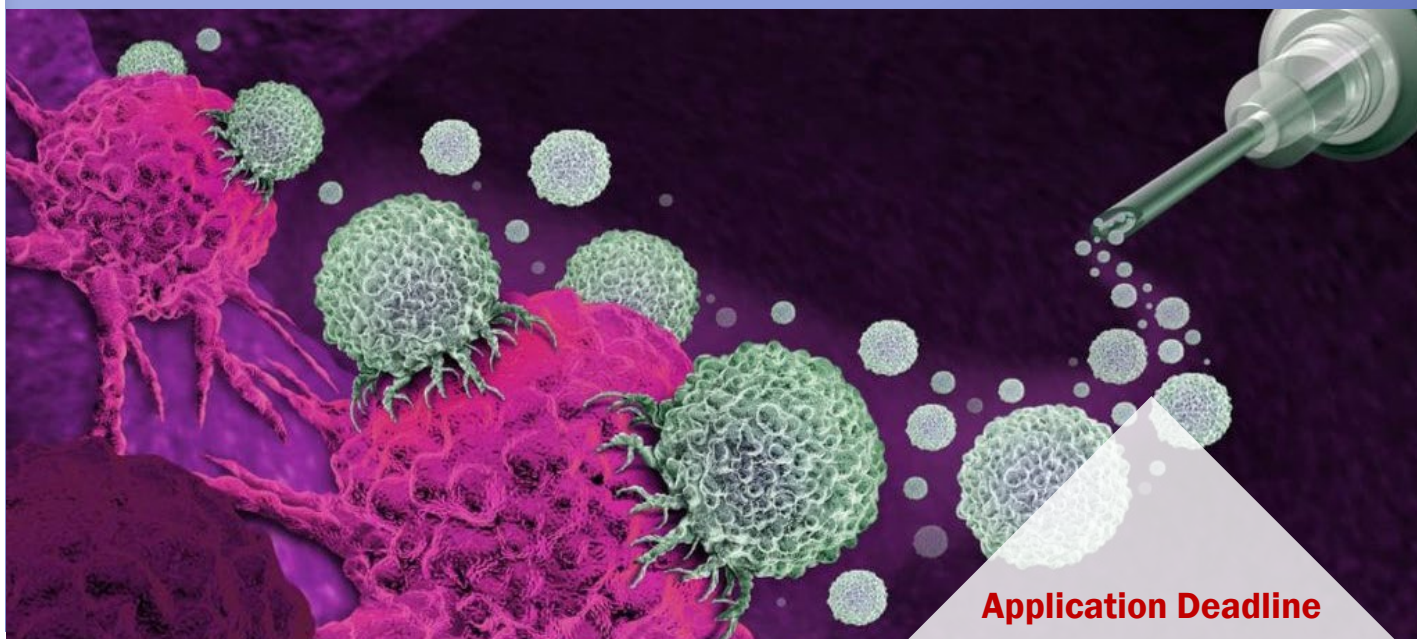
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The Hong Kong Young Academy of Sciences  
(YASHK) talk series

## Talk Series on Emerging Technologies — Science, Opportunities and Challenges 2023: Cancer Immunotherapy

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**Application Deadline**

**27 Mar 2023**

**12:00 noon**

### **Intended Learning Outcomes**

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

1. recognise our immune system and its importance in fighting cancer;
2. outline the basic principles of different kinds of anti-cancer immunotherapy, including their advantages and disadvantages;
3. predict that immunotherapy is a promising direction for cancer treatment.



## ◆ Introduction

Cancer is one of the most leading causes of death worldwide. Cancer incidence will continue to rise in the next decades. Cancer represents the major health threat to our society. Many cancer patients are not suitable for surgeries, leaving chemo-therapies, radio-therapies, and targeted-therapies as the only treatment options. All these options aim to target cancer cells to limit their uncontrollable growth. However, these treatments at the same time are damaging normal cells, resulting in severe side effects in cancer patients. Recently, immunotherapies, which aim to activate the immune system to combat cancer cells, have emerged as the mainstream cancer treatment. The clinical success of immunotherapies is unprecedented which significantly contributes to its popularity. This lecture will focus on the introduction of our immune system and its importance in fighting cancer, the basic principles of different kinds of anti-cancer immunotherapies, their advantages and disadvantages, the preclinical and clinical evidence that shows the power of immunotherapies, and the future drug innovations and directions of immunotherapies as cancer treatments.

“Talk Series on Emerging Technologies – Science, Opportunities and Challenges 2023: Cancer Immunotherapy” is co-organised by YASHK and HKAGE, and supported by the Education Bureau. It is one of the activities in HK SciFest 2023 and a significant event in the scientific sector of Hong Kong.

## ◆ Schedule

Session	Date	Time	Venue
1	3 April	2:00 p.m. – 3:00 p.m.	Online via Zoom Meeting

## ◆ Target Participants

- S1 – S6 students in 2022/23 school year.
  - Class size: 100
- \* First-come, first-served.

## ◆ Medium of Instruction

English

## ◆ Certificate

E-Certificate will be awarded to participants who have attended the talk.

This talk is one of the items in the four domains of the Holistic Talk Series. The objective is to facilitate the all-round development of student' gifted potential.



### The Hong Kong Young Academy of Sciences (YASHK) talk series

Talks are about emerging technology to inspire students' motivation in pursuing knowledge in specialized areas.



### Celebrities Talk Series

Celebrities share their life-changing moments to enhance students' aspirations for life.



### Academic Introductory Talk Series

Introduce trendy topics to widen the students' horizons.



### Future Insight Talk Series

Professionals explain the latest trend in their industry to give students an insight to plan their future.

