



[ **Gifted Programme** ]

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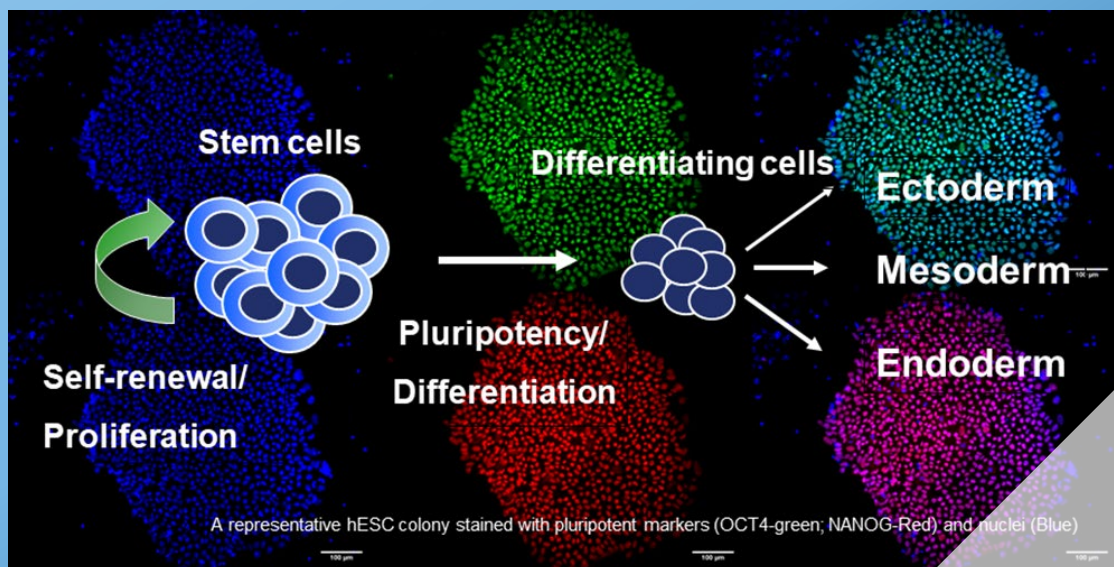
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💡 **Trendy Academic Talk Series**

# **Biotechnology Talk (Level III): Trends in Stem Cell Research and Modern Biotechnology**

Dr CHAN Kwok Keung

Biology Panel Head, S.K.H. Bishop Baker Secondary School



**Application Deadline**

**24 Feb 2025**

**12:00 noon**

## **Intended Learning Outcomes**

Upon completion of the gifted programme, gifted students should be able to:

1. Describe the basic knowledge of modern biotechnology and its trends and applications;
2. Recognise the characteristics of stem cells and its research and development;
3. Discuss the ethical and moral issues of stem cell therapy.

## ◆ Gifted Programme Introduction

## Holistic Talk Series



The latest trends in modern biotechnology from the basic knowledge of recombinant DNA technology to genetic engineering and stem cell therapy have been providing goods and services to human health and life. This talk will first give an overview on the trends in modern biotechnology and their applications. Furthermore, the introduction of the sources and characteristics of stem cells, the promises of stem cell research will be focused. Topics such as technological challenges and ethical issues concerning using human stem cells, pros and cons of stem cell therapy, clinical applications of stem cells will also be discussed.

The speaker, Dr CHAN Kwok Keung, has worked on scientific research in stem cells and modern biotechnology for about 15 years. He has published over 20 articles in leading scientific journals. His research interests mainly focused on applied biotechnology, stem cell biology, developmental biology, molecular genetic of neurodegenerative diseases, genetic network and signalling pathways of embryonic stem cells.

This programme is co-organised with S.K.H. Bishop Baker Secondary School.

## ◆ Schedule

Session	Date	Time	Venue
1	22 Mar	10:00 a.m. – 12:00 noon (Please arrive at 9:45 a.m. for registration)	Room 213 (Lecture Theatre), S.K.H. Bishop Baker Secondary School, 10 Fung Yau Street South, Yuen Long ( <a href="#">MAP</a> )

## ◆ Suitable for

- S1 – S6 HKAGE student members in 2024/25 school year only.
- Class size: 60 (\* First-come, first-served)

## ◆ Medium of Instruction

English

## ◆ Certificate

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

## ◆ Remark

Starting from the 2023/24 school year, after the first review period, ALL student members must complete the following requirements in each school year in order to maintain their membership:

- Attend One Talk; AND
- Participate in One programme or activity of any kind.

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



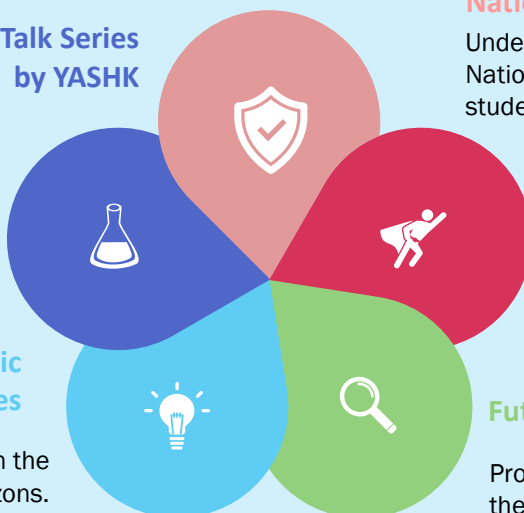
### Emerging Technology Talk Series by YASHK

Scientists introduce eye-opening emerging technology to enhance students' motivation to learn.



### Trendy Academic Talk Series

Introduce trendy topics to widen the students' horizons.



### National Security Talk Series



Understanding the meaning of National Security, enhances students' sense of national identity.

### Ignite Life Talk Series



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

### Future Insight Talk Series



Professionals share insights about the latest trends in their industry to help students plan their future.

## ◆ Enquiry



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