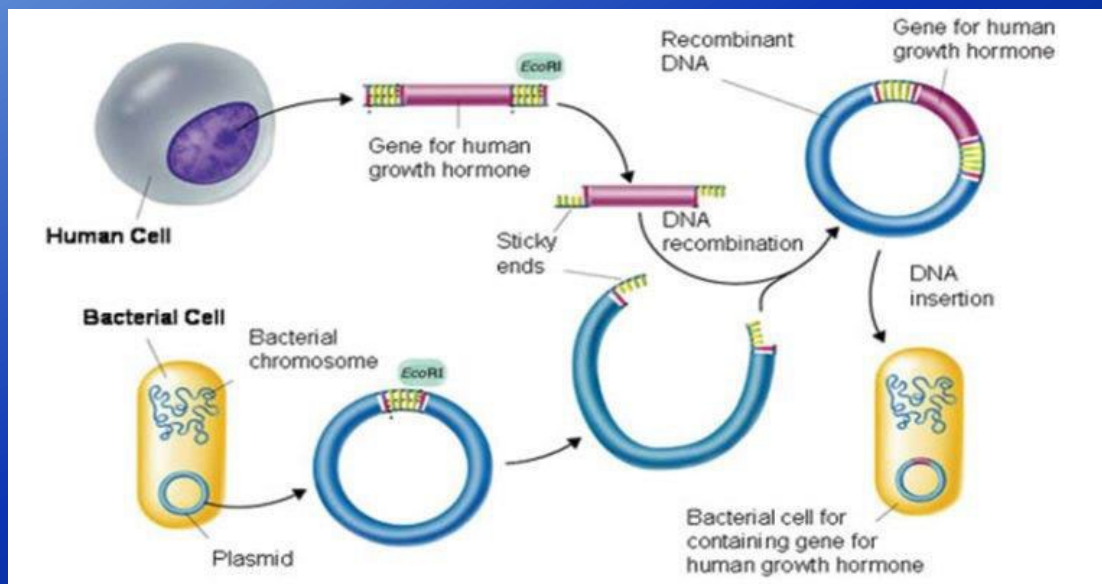




Biotechnology Talk (Level III): Trends in Stem Cell Research and Modern Biotechnology

Dr CHAN Kwok Keung

Biology teacher, SKH Bishop Baker Secondary School



Intended Learning Outcomes

Upon completion of the programme, participants 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.

Application Deadline

16 May 2022

12:00 noon



◆ Introduction

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 SKH Bishop Baker Secondary School.

◆ Schedule

Session	Date	Time	Venue
1	20 Aug	10:00 a.m. – 11:30 a.m.	Room 213 (Lecture Theatre), SKH Bishop Baker Secondary School, 10 Fung Yau Street South, Yuen Long (MAP)

◆ Target Participants

- S1 to S6 HKAGE student members only in 2021/22 school year
- Class size: 50

* First-come, first-served

◆ Pre-requisite

No special prerequisites are needed

◆ Medium of Instruction

English