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

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

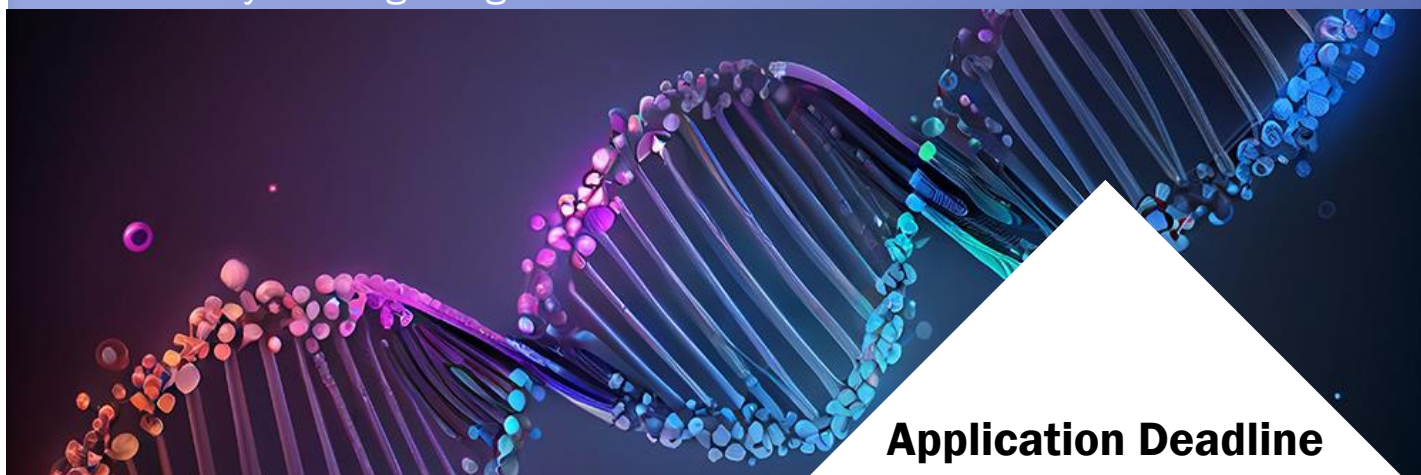
### Building and innovating with DNA

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Professor Julian Tanner

Professor, School of Biomedical Sciences within HKUMed,  
The University of Hong Kong



**Application Deadline**

**3 October 2023**

**12:00 noon**

### Intended Learning Outcomes

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

1. explain key concepts of Deoxyribonucleic acid, i.e., DNA;
2. illustrate examples of from each DNA category of system and tool;
3. become familiar with the frontier of scientific research.



## ◆ Introduction

Deoxyribonucleic acid (DNA) is commonly referred as the blueprint of life because it contains the detail instructions required for an organism to survive, grow, develop, and reproduce. Besides this, more and more scientists have been harnessing the unique properties of DNA to build innovative systems and tools that propel science and technology forward, such as DNA data storage, aptamers, nanostructures, drug delivery, sensors, and etc. In this talk, we will present key concepts and examples from each category of system/tool and provide our views on the future directions in this exciting area of research.

## ◆ Schedule

Session	Date	Time	Venue
1	7 October 2023	10:00 a.m. – 12:00 noon	Zoom Meeting

## ◆ Target Participants

- S1 – S6 in 2023/24 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.

