



香港資優教育學苑  
The Hong Kong Academy for Gifted Education

香港特別行政區政府教育局資助  
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E2BME001T

(Not-token required)

[ **Gifted Programme** ]

 **Academic Introductory Talk Series**

Biomedical Engineering talk (Level II):

# Biomedical Engineering Innovations for Precision Medicine

Prof Li Zhong Alan

Department of Biomedical Engineering, CUHK



**Application Deadline**

**4 May 2026**

**12:00 noon**

## **Intended Learning Outcomes**

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

1. explain the concept of precision medicine;
2. describe principles of organs-on-chips and their applications;
3. gain inspiration from a representative miniature joint organ model.



## ◆ Gifted Programme Introduction

The talk will explore groundbreaking innovations in biomedical engineering that enhance precision medicine, highlighting technologies and methods that improve patient care and personalise healthcare solutions.

Prof Li Zhong Alan joined the Department of Biomedical Engineering, The Chinese University of Hong Kong as a Vice-chancellor Assistant Professor in 2022. Before joining CUHK, he was a Postdoctoral Associate and later a Research Assistant Professor at the University of Pittsburgh School of Medicine in Pennsylvania, US. Alan obtained his Ph.D. in biomedical ceramics from Nanyang Technological University Singapore in 2017 and worked as a Postdoctoral Research Fellow there afterwards. His primary research interests are in organs-on-chips, nanobiomaterials, tissue engineering, and neuromusculoskeletal regeneration. Among other honors, Prof. Li received the Wake Forest Institute for Regenerative Medicine (WFIRM) Young Investigator Award and the Orthopaedic Research Society 3Rs Award.

## ◆ Schedule

Session	Date	Time	Venue
1	9 May	9:00 a.m. – 10:15 a.m.	Lecture Theatre 5, Yasumoto International Academic Park (YIA LT5), CUHK

## ◆ Suitable for

- S4 – S6 HKAGE student members in 2025/26 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.

## ◆ Remark

Starting from the 2024/25 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.