



# Medical Data Analysis (E1BME001T-2)

## Introduction

Biomedical Engineering (BME) is an interdisciplinary field in which biology, medicine, and engineering technologies are combined and applied innovatively to solve human health problems. This talk will first give a brief overview of BME. Then, an area of BME – Medical Data Analysis – will be introduced. Selected topics in it will also be discussed, e.g. analysis of DNA microarray data, brain signal processing, and brain-computer interface.

The speaker, Dr Gary Tam, has worked on research in Bioinformatics (an area belongs to BME) for about 10 years. His research mainly focused on analysis of DNA microarray data from medical experiments, topics included gene selection, tumour classification and gene regulatory network reconstruction.

## Programme Type

Biomedical Engineering Talk (Level I) ([NON Token-required](#))

## Speaker

Dr Gary Tam  
(Student Programme Development Officer, Academic Programme Development Division, HKAGE)

## Target Participants

- S1 – S6 HKAGE student members only in 2020/21 school year
  - Class size: 40
- \* First-come, first-served*  
This programme is the same as Introductory Talk in Biomedical Engineering: Medical Data Analysis (SCIT1501) in 2019/20 school year.

## Language

Cantonese (supplemented with English)

## Application Deadline

**23 November 2020, 12:00 n.n**

## Schedule

Date	19 Dec 2020 (Saturday)
Time	11:00 a.m. - 1:00 p.m. (Please arrive at 10:45 a.m. for registration)
Venue	Room 403, HKAGE <b>Zoom Meeting</b>

## Enquiries

For enquiries, please contact Academic Programme Development Division on 3940 0101 after language selection, press "1".