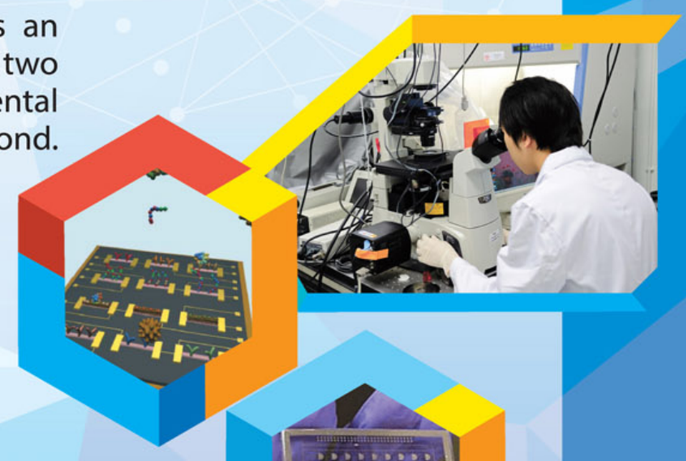
The Chinese University of Hong Kong

Faculty of Engineering
Department of Biomedical Engineering

MPhil-PhD Programme（碩博銜接課程）
Postgraduate programmes（研究生課程）

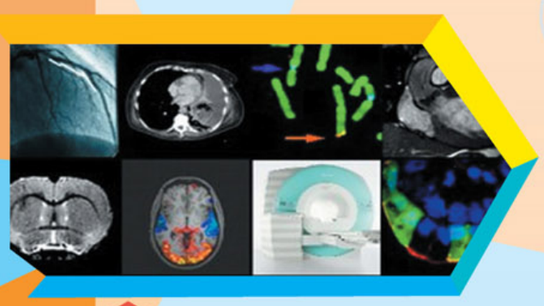
bmegrad@cuhk.edu.hk http://www.bme.cuhk.edu.hk

This articulated MPhil/PhD programme in Biomedical Engineering is offered by the Faculty of Engineering as an inter-disciplinary programme in close collaboration with the Faculty of Medicine, building on the strengths of the two Faculties in biomedical sciences and engineering with the aim to educate future leaders who can master the fundamental knowledge base and innovate technology to address various health and clinical challenges in our time and beyond.



Why here?

CUHK is a world class leading comprehensive research university, with very high rankings internationally and in Asia Pacific region. The Faculty of Engineering is also highly ranked in recent pollsters. The Division of BME was launched by the Faculty of Engineering in close collaboration with the Faculty of Medicine. There is a wide diversity of high quality research in BME fields in the Division. The Faculty members are PhD degree holders from the world's top universities (e.g., Caltech, Cambridge, Columbia, Cornell, Imperial College, MIT, etc.). Many of them also serve on the editorial boards of leading international journals and flagship conference organizing committees.



Fields of Specialization:

Biomaterials and Regenerative Medicine
Biomaterials scaffolds and bioactive coatings, stem cell technology, microenvironmental cues in stem cell differentiation, biophysical stimulation and mechanobiology

Biomolecular Engineering and Nanomedicine
Lab-on-a-chip biosensors, point-of-care devices, microfluidic manipulation and detection of biomolecules, bacterial and mammalian cells, bionanotechnology and delivery of diagnostic and therapeutic molecules

Medical Imaging and Informatics
Computer-aided diagnosis, fMRI, THz biomedical imaging & spectroscopy, bioinformatics, health informatics, telemedicine

Medical Instrumentation and Biosensors
Wearable sensors and mobile health, home healthcare technology, surgical robotics, wireless capsule endoscopy, wearable robotics for rehabilitation

Financial Assistance:

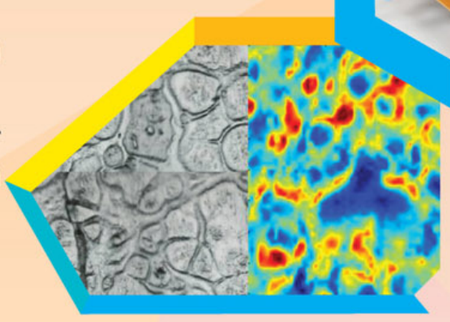
HKPFS awardees: HK$20,000 per month

Regular MPhil-PhD students: HK$16,270-16,790 per month
(Nearly all the admission offers to full-time MPhil and PhD studies in the BME Division will come with scholarships)

Admission Requirements:

* Meet the general qualifications required for admission to the Graduate School. Have a Bachelor's degree, or equivalent, in a relevant engineering, science, or medical discipline from a recognized university.
* Interested in learning and acquiring new skills across disciplines to address the interdisciplinary challenges in biomedical engineering.

Applicants must also submit in English his/her CV, research outputs, an indicative statement of research interest or purpose of study (about 500 words), academic transcript (showing ranking in class if available), copies of awards (such as scholarships), certificates, and other honors received.



Application Deadline: 1 December 2017

Applicants should ensure the application materials arrive at the department office before the deadline.

Candidates who consider themselves very outstanding and are interested in CUHK biomedical engineering research are encouraged to apply for the BME PhD Programme and the Hong Kong PhD Fellowship Scheme (HKPFS) jointly. The application deadline of the HKPFS is 1 December 2017 at Hong Kong Time 12:00:00 (GMT +8 hours).
(Non-local applicants are advised to apply our HK PhD Fellowship Summer Workshop in Apr 2017 to visit our campus and laboratories around July 2017)

HK PhD Fellowship Summer Workshop : https://info5.erg.cuhk.edu.hk/phdsw

Applicants who apply for the BME PhD Programme directly with CUHK (I.e. non-HKPFS applications) are advised to apply as early as possible, preferably by 1 December 2017.

For PhD candidates who are deemed outstanding, early offers would be possible.

Enquiries:
Department of Biomedical Engineering
The Chinese University of Hong Kong, Shatin NT, HONG KONG
Tel: (852)-3943-8278 / 3943-8261

Admission Advisor:
Prof Raymond K.Y. Tong
Tel: (852)-3943 8454
Email: kytong@cuhk.edu.hk