

Division of Chemical Pathology

Chemical Pathology focuses on the study of molecular, biochemical and immunological changes that occur as part of a disease process. The Department of Chemical Pathology has academic interests in several fields of study as listed below.

The Department is well funded and supported by the most competitive level of research funding in Hong Kong, namely the UGC Areas of Excellence programme and the RGC Theme-based Research Scheme. The Department is well equipped with state-of-the-art research equipment, including next-generation sequencers, digital polymerase chain reaction platforms, flow cytometers, as well as bioinformatics and stem cell research facilities. The Department has a world-leading programme in plasma DNA-based molecular diagnostics, especially for non-invasive prenatal testing and cancer detection.

*MPhil in Chemical Pathology /
PhD in Chemical Pathology*

Admission Code: CPY

Programme

MPhil / PhD in Chemical Pathology

The programme is research-oriented and will involve a series of investigations with original study design, experimentation and data interpretation. Part of the programme involves the delivery of seminar presentations. Each student has an opportunity to participate in one international conference during the course of study. Students will be required to submit a written research thesis and pass an oral examination for graduation.

Please visit the Division's homepage for more information.

Fields of Specialization

- Plasma Nucleic Acids and Molecular Medicine
- Diagnostic Applications of Next-generation DNA Sequencing
- Allergic Diseases
- Inborn Errors of Metabolism
- Bioinformatics
- Stem Cell and Regeneration



Admission Requirements

In addition to the general requirements of the Graduate School¹,

MPhil in Chemical Pathology

Applicants should preferably have a Bachelor's degree in a field related to Life Sciences or the degree of MBChB or equivalent. Holders of a Bachelor's degree in Computer Science, Statistics or related fields may also be considered.

PhD in Chemical Pathology

Applicants should preferably have a Master's degree in a field related to Life Sciences or the degree or MBChB or equivalent. Holders of a Master's degree in Computer Science, Statistics or related fields may also be considered.

Additional Application Information

Admission Advisor

Prof. Y. M. Dennis LO

Application Deadline

1 December 2016

For applicants who apply for PhD programme through the Hong Kong PhD Fellowship Scheme (HKPFS)²

31 January 2017

For applicants who apply for MPhil programme directly with CUHK

Throughout the year

For applicants who apply for PhD programme directly with CUHK (i.e. non-HKPFS applicants)



CONTACT METHODS

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¹ For the general qualifications required for admission to the Graduate School, please refer to pages 16-17.

² For information on HKPFS, please refer to page 17.