



MEDICAL SCHOOL ATTACHMENT PROGRAMME

Li Ka Shing Faculty of Medicine, the University of Hong Kong



The medical school attachment programme lets students see and experience various aspects of the medical profession. Three different research groups in the Li Ka Shing Faculty of Medicine, the University of Hong Kong will provide an opportunity for several profoundly gifted students to participate in their advanced laboratory research work.

Students should have a strong science background, excellent English skills and self-study commitment to be eligible to join this programme. They will experience study acceleration in a short period of time.

CHOICES OF RESEARCH GROUPS

Microbiology Group	
Research Area	Microbiology, Infectious Diseases, Genomics
Brief Description of the research project	Identify potential virulence-associated genes and other factors in staphylococcus
Skills or Qualification required	<ul style="list-style-type: none"> ➤ Good knowledge of biology at S.4 or above ➤ Proficiency in computer and statistics is advantageous
Learning Activities	<ul style="list-style-type: none"> ➤ Journal Club sessions ➤ Hands-on with analysis using online genome databases at NCBI ➤ Observe daily operations at clinical / research microbiology laboratories.
Intended Learning Outcomes	<ul style="list-style-type: none"> ➤ Making use of publicly available biology data and literature to generate scientific discoveries ➤ Understand the process and principles of scientific research ➤ Understand how basic research findings may be translated to clinically relevant outcomes
Medium of Instruction	English
Research Period	1 st to 12 th August 2011; 10a.m. – 4p.m. (Mon-Fri)
Student Quota	2

Eye Institute Group	
Research Area	Retinal detachment repair in an animal model
Brief Description of the research project	To develop a novel macular buckle for treating retinal detachment in rabbit model.
Skills or Qualification required	Science Students
Learning Activities	<ul style="list-style-type: none"> ➤ As an observer in the meeting to design the buckle, assist in the making of the buckle in the laboratory, and observe how the surgery is done in the animal lab. ➤ To observe how the animals involved in the study are handled and learn how scientists handle the animals in a humane way.
Intended Learning Outcomes	<ul style="list-style-type: none"> ➤ Students will have a basic idea of how laboratory science can be incorporated into clinical practice. ➤ Students will be observing the entire process from designing the buckle, making of the buckle, to the actual surgery in rabbits.
Medium of Instruction	Cantonese and English
Research Period	15 th – 26 th August 2011; 10a.m. – 4p.m. (Mon-Fri)
Student Quota	4

Medicine Group	
Research Area	Molecular and cellular study of systemic lupus erythematosus
Brief Description of the research project	We focus on studying immunological regulation of lupus disease development.
Skills or Qualification required	Students (S4 or above) studying biology
Learning Activities	<ul style="list-style-type: none"> ➤ Observation of molecular biology and other general laboratory experiments performed by experienced research staff. ➤ Hands-on practical laboratory experiments under researchers' guidance. ➤ Scientific journal reading and presentation.
Intended Learning Outcomes	<ul style="list-style-type: none"> ➤ Have a general and basic understanding on the factors that contribute to lupus disease development. ➤ To experience the excitement and challenge of scientific research.
Medium of Instruction	Cantonese and English
Research Period	1st – 12th August 2011; 10am-4pm (Mon-Fri).
Student Quota	3

Programme Details

Venue	The University of Hong Kong
Date & Time	Please refer to each research group
Target Participants	
Class Size	
Medium of Instruction	
Course Requirement	
Course Fee	Free
Application Procedure & Deadline	<ul style="list-style-type: none"> ❖ Students should complete and submit the Online Application Form at the website: http://hkage.org.hk/en/sz_programmes.html on or before 11 Jul 2011 (Mon). Late application will not be considered. ❖ The application result will be announced via email to the student member by 13 Jul 2011 (Wed). For those who have not received email by the due course should contact the HKAGE by phone. ❖ Successful applicants should complete the "Confirmation Slip" attached in the result announcement email and fax/mail to the HKAGE by the deadline mentioned on the slip.
Enquiry	For enquiries, please contact Mr Li at 3698 3498 or Ms Yip at 3698 3500.