

THE UNIVERSITY OF HONG KONG
LI KA SHING FACULTY OF MEDICINE

Department of Pathology

Postgraduate Diploma in Molecular and Diagnostic Pathology (PDipMDPath)

Programme Learning Outcomes (PLO)

| University's TPg Educational Aims | PLO of PDipMDPath |
|--|--|
| 1. Critical intellectual enquiry and acquiring up-to-date knowledge and research skills in a discipline/profession | <p>Students should be able to:</p> <ul style="list-style-type: none">• demonstrate understanding of the basic concepts in genetic pathology and the principles of up-to-date molecular techniques used in molecular diagnostics and research• describe the use of basic and selected advanced clinical laboratory tests in pathology• appraise the strengths and limitations of various molecular techniques and common clinical laboratory tests• explain the importance of management and quality assurance in research and clinical laboratories |
| 2. Application of knowledge and research skills to practice or theoretical exploration, demonstrating originality and creativity | <p>Students should be able to:</p> <ul style="list-style-type: none">• select appropriate tests to answer specific research questions and to make a clinical diagnosis• interpret molecular and clinical pathology test results• identify individuals and families who will benefit from genetic testing |

| | |
|---|--|
| <p>3. Tackling novel situations and ill-defined problems</p> | <p>Students should be able to:</p> <ul style="list-style-type: none"> • devise a laboratory approach to test research hypothesis and to investigate ill-defined and atypical clinical problems |
| <p>4. Collaboration and communication of disciplinary knowledge to specialists and the general public</p> | <p>Students should be able to:</p> <ul style="list-style-type: none"> • facilitate cooperation and collaboration among scientists, laboratory technologists and medical doctors in the investigation of human diseases • communicate clinical test results and provide advice to patients and referring doctors and, if appropriate, counselling to families |
| <p>5. Awareness of and adherence to personal and professional ethics</p> | <p>Students should be able to:</p> <ul style="list-style-type: none"> • apply ethical reasoning in the choice of clinical tests to maximize benefit and minimise harm to patients • indicate the importance of patient confidentiality and rights in genetic testing |
| <p>6. Enhancement of leadership and advocacy skills in a profession</p> | <p>Students should be able to:</p> <ul style="list-style-type: none"> • assume a leadership role to laboratory test development and application in a research or clinical setting • apply the knowledge acquired to enhance the quality of the profession of molecular and diagnostic pathology |