

**THE CHINESE UNIVERSITY OF HONG KONG**

**Micro-Module Courseware Development Grant**

**Scheme 1: Basic Scheme**

**Interim Report (2017-18) (Additional Call)**

Report due 31 August 2018.

Please return by email to [mmcd@cuhk.edu.hk](mailto:mmcd@cuhk.edu.hk)

**PART I**

Project title: [Development of a virtual laboratory for the teaching of immunohistochemistry](#)

Principal supervisor: [Prof SK Kong and Dr FH Lo](#)

Department / Unit: [Biochemistry Programme, School of Life Sciences](#)

Project duration: From March 2018 to October 2018

Date report submitted: [7 August 2018](#)

**1. Project objectives**

*Is the project on track to meet its objectives?*

*Have the objectives been changed as a result of the experience of working on your MMCDG project?*

[Yes, the project ran smoothly; where the objectives remained unchanged.](#)

**2. Progress on process, outcomes or deliverables**

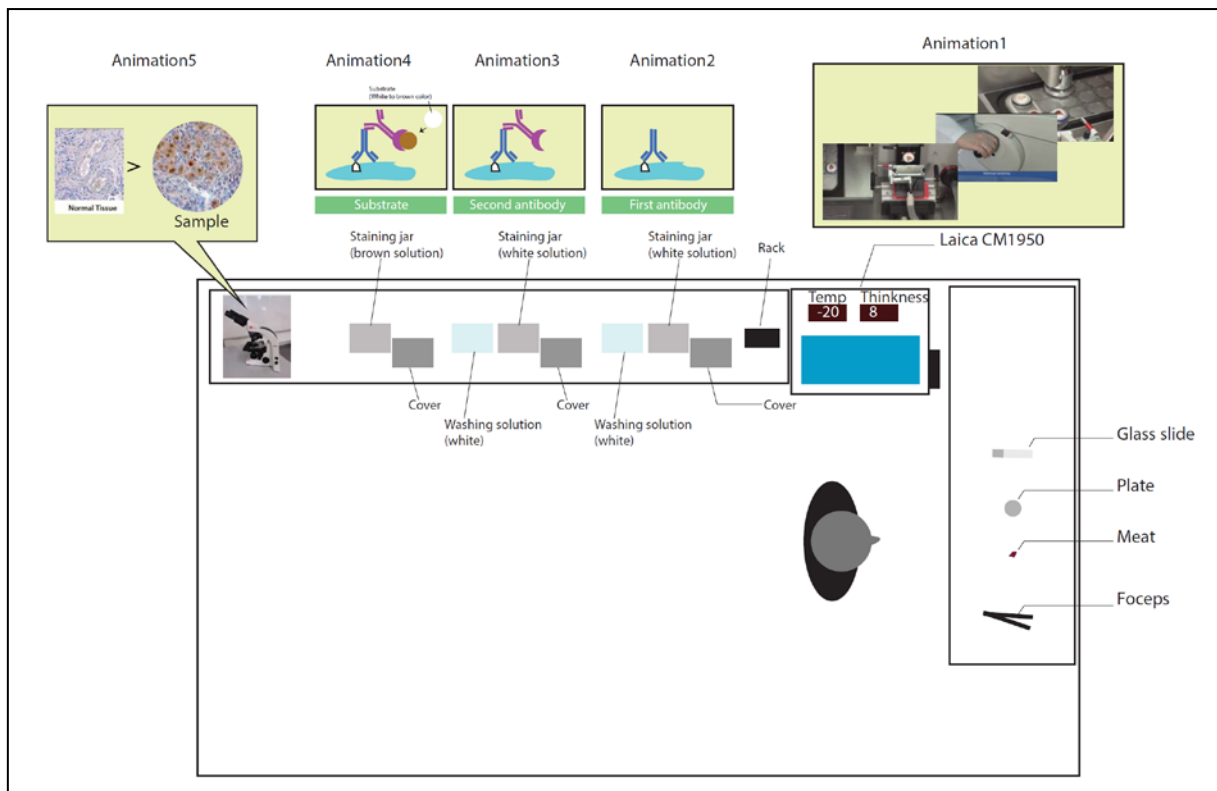
*What have been accomplished so far?*

*Have any obstacles been encountered and what are the remaining tasks to be finished?*

*Is the project still on time for completion (which includes preparation of the final report) on or before the grant expiry date?*

*Provide a listing of project outputs to date.*

[The project development was divided into five phases: 1\) Game plan development; 2\) Virtual Reality \(VR\) objects development; 3\) VR object integration into the VR environment; 4\) Installation of VR hardware; 5\) Optimization of the virtual laboratory. Phases 1 to 3 were accomplished. Regular meetings with ITSC were conducted to ensure smooth production process. The project proceeded as scheduled and it is anticipated the project shall be completed on time in October 2018.](#)



[Figure 1. Game plan of the virtual laboratory was confirmed in Phase 1.](#)



[Figure 2. Specific virtual reality objects were developed in Phase 2.](#)

### 3. Evaluation Plan

*Have you altered your evaluation plans?*

*Does your evaluation indicate that you have achieved your objectives?*

[Regular communication with ITSC will be maintained to ensure the project to complete as planned. It is anticipated the evaluation plans of the project will proceed as scheduled: Students will be invited to try the virtual laboratory and their feedbacks will be collected by questionnaire and focus group meetings.](#)

#### **4. Dissemination Activities (reports, websites, video links, products, etc.)**

*Provide a listing of dissemination activities to date.*

[A video for the e-Learning activities, including the present virtual laboratory, in the Biochemistry Programme has been produced. Moreover, the present virtual laboratory project has been presented in overseas conference in the United States\\*.](#)

*[\\* Details of the presentation](#)*

*[Conference name: Designing Effective Teaching Lilly Conference](#)*

*[Date: 31 May to June 3 2018](#)*

*[Venue: The Bethesda Hyatt Regency, Bethesda, Maryland, United States](#)*

*[Abstract title: Development of a virtual laboratory for the teaching of immunohistochemistry](#)*