

Bi-annual Progress Monitoring Report / Probationary Report

RPG Progress Report System

**The University of Hong Kong
Graduate School
Li Ka Shing Faculty of Medicine
Candidate's Biannual Progress Report**

107-116 amended

Print

Notes:

- Under the MPhil and PhD Degree Regulations and Procedures, candidates are required to submit progress reports to the Graduate School through the Departmental Research Postgraduate Committee (DRPC) and the Faculty Higher Degrees Committee (FHDC) at six-monthly intervals.
- Please complete Section B below and **submit the on-line form** to the Chairperson of DRPC for comments by 28-Feb-2023. The Department will then forward the completed form to the Faculty. **In the case of candidates at the end of the probationary period, please submit a hard copy of the detailed scheme of research to the DRPC separately.**
- Please click here for [steps of progress report submission](#).
- An MPhil candidate whose candidature has been confirmed and who has satisfactorily completed all coursework requirements may apply for transfer from the MPhil degree to the PhD degree. The candidate shall submit an application in writing, together with a revised research proposal, endorsed by the supervisor(s), and provide evidence of written work e.g. some sample writing of the thesis or published paper in which the candidate has played a major role, to the DRPC.

Section A:

1. Review period	01-Sep-2022 to 28-Feb-2023			
2. Name of candidate	Mr. Yuen Tin Long			
3. HKU No.	3030091314			
4. Degree registered	MPhil			
5. Department	School of Biomedical Sciences			
6. Study period				
a. First registration	01-Sep-2022			
b. Minimum period (for PhD candidates registered in or before August 2001 only)				
c. Maximum/Normative period	15-Sep-2024			
d. Extended Maximum/Normative period				
7. Candidature				
a. Study Mode (FT/PT)	Full-time			
b. End of probationary period	15-Sep-2023			
c. Confirmed (Yes/No/Conditional)	Yes			
8. Leave of absence / non-study leave	21-Nov-2022 to 27-Nov-2022, 13-Mar-2023 to 20-Mar-2023			
9. Field of study	Molecular Virology and Immunology			
10. Thesis title (if submitted)				
11. Supervisor(s)	Dr. CP Chan and Prof. D Jin (Primary Supervisor)			
12. Coursework enrolment record				
Year	Semester	Course Code	Course Title	Result
2022	1	GRSC6108	Online Transferable Skills Programme	P
2022	1	MMPH6127	Principles of Drug Action	P
2022	1	GRSC6101	Responsible Conduct of Research	P
2022	1	GRSC6102	Stream-based Responsible Conduct of Research	P
2022	2	MMPH6134	Biomedical Sciences Seminar	P
2022	2	GRSC6100	Doing Research @ HKU	P
2022	2	MMPH6189	Environmental Health Hazards and Interventions	P
2022	2	GRSC6107	Introduction to Qualitative Research Methods (Sciences)	P
2022	2	GRSC6121	Introduction to Thesis Writing (Sciences)	P

Section B:**(For Internal Use: 3030091314 / Submission: 07-Feb-2023 / DRPC Review: 24-May-2023 / FHDC)**

1.(a) Have you held any appointment (including appointment in the University) during the period under review? If so, give details:

Employer Nature of appointment Period (dd/mm/yyyy) Hours worked per week

1. to
2. to
3. to

If you have more than three appointments, please indicate them in Question 10 below.

Please be reminded that PGS holders shall not undertake any employment either within or outside the University during the tenure of scholarship other than that described in Regulation 4 of the Regulations Governing Postgraduate Scholarship.

(b) How many hour(s) of departmental duties related to your postgraduate scholarship did you perform during the period under review?

Please indicate details of duty and hours per week (e.g. Demonstrator, 10hr). (Please enter "Nil" if you did not need to perform any duties.)

Nil

2.(a) During the period under review, how many times did you communicate with or meet your Supervisor(s) to discuss your research?

- Once weekly or more frequently
 Once every fortnight
 Once monthly
- Less frequently than once monthly (for full-time candidates) / Less frequently than once every 6 weeks (for part-time candidates)

(b) The major means of communication between you and your supervisor is:

- Face-to-face meeting only
 Face-to-face meeting and other means
- Other means only (Please specify)

(c)(i) If the answer to (a) is less frequently than once monthly (for full-time candidates)/less frequently than once every 6 weeks (for part-time candidates), the reason(s) for the infrequent communication is/are:

(ii) If the answer to (b) is "Other means only", the reason(s) is/are:

3.(a) How many departmental seminar(s)/presentation(s) have you given on your research:

i) since you first registered?

- 0
 1
 2
 3 or above

ii) during the period under review?

- 0
 1
 2
 3 or above

(b) Have you attended any conference(s) during the period under review?

- Yes (please complete the following details)
 No

Period (dd/mm/yyyy) Name of conference Country of conference

1. to
2. to

If you have attended more than two conferences, please indicate them in Question 10 below.

(c) How was your conference visit funded?

1. URC
 - RGC
 - Others (Please specify)
2. URC
 - RGC
 - Others (Please specify)

(d) Have you had any publication(s) during the period under review?

- Yes (please complete the following details)
 No

Title of paper

Name of journal published

1. **Production of single-cycle infectious SARS-CoV-2 through a trans-complemented replicon** **Journal of Medical Virology**

- 2.
- 3.

If you have more than three publications, please indicate them in Question 10 below.

(e) Have you received any award(s) during the period under review?

- Yes (please complete the following details)
 No

Name of award Name of awarding organization

- 1.

2.
3.

If you have received more than three awards, please indicate them in Question 10 below.

4.(a) Have you taken any course(s) during the period under review?

- Yes (Please answer 4 b)
 No (Please go to 5)

(b) Do you find the courses offered by the (i) Graduate School and (ii) the Faculty/Department useful to your research studies?

(i) Courses offered by the Graduate School

- Very useful
 Useful
 Not very useful
 Not useful
 No comments as I have not taken any Graduate School courses during the review period

(ii) Courses offered by the Faculty/Department

- Very useful
 Useful
 Not very useful
 Not useful
 No comments as I have not taken any Faculty/Departmental courses during the review period

If you have ticked 'Not very useful' or 'Not useful' in b(i) or b(ii) above, please answer c(i) and c(ii) below.

(c) (i) Have you discussed the problem of the course usefulness with your supervisor(s)?

- Yes
 No
 Not applicable

(ii) Please specify why you find the course(s) not very useful or not useful; and suggest how the coursework curriculum can be improved.

5.(a) Are you satisfied with the support provided by the University on the following:

i. Equipment and workspace provided

- Very satisfactory Satisfactory Barely satisfactory Unsatisfactory

If you have ticked "Barely satisfactory" or "Unsatisfactory", please specify:

ii. Quality of supervision

- Very satisfactory Satisfactory Barely satisfactory Unsatisfactory

If you have ticked "Barely satisfactory" or "Unsatisfactory", please specify:

iii. Means of communication

- Very satisfactory Satisfactory Barely satisfactory Unsatisfactory

If you have ticked "Barely satisfactory" or "Unsatisfactory", please specify:

(b) Is the support from the University/Department adequate?

- Yes
 No (Please specify)

6. Have you experienced any problems of the following items during the period under review? If there were problems, have they been resolved?

(a) Personal Yes - problem not yet resolved
Please Specify:

- Yes - problem resolved
 No problem

(b) Research Yes - problem not yet resolved
Please Specify:

- Yes - problem resolved
 No problem

- (c) Supervision Yes - problem not yet resolved
Please Specify:
- Yes - problem resolved
- No problem

7.(a) Estimate the proportion of your research work completed (including writing up the thesis).

Portion of research work completed **20** %

(b) Can you submit your thesis on time, i.e. by the end of your candidature?

- Yes
- No

Estimated date for submission of thesis **05/2024** (mm/yyyy)

8. Is there anything else about your higher degree candidature (e.g. the research that you are currently undertaking, the writing of your thesis, or the supervision) that you would like to bring to the attention of the Departmental Research Postgraduate Committee/Faculty Higher Degrees Committee?

- Yes (Please specify)
- No

9. Please note that any research activity that involves human participants or the use of live animals MUST obtain ethical approval BEFORE any data collection starts. Please check this document for more details about the approval process (<http://www.rss.hku.hk/integrity/ethics-compliance>).

(a) Does the proposed research in your thesis involve human participants?

- Yes (Please indicate whether approval for human research ethics has been obtained from IRB or HREC^)
- Yes, I confirm that I have already obtained the necessary approval.
(Note: Please submit the formal approval letter to the DRPC separately.)
- No, I have not obtained the necessary approval, and will not start data collection before receiving approval from the committee.
- No (Please Specify)
- No

(b) Does the proposed research in your thesis involve the use of live animals?

- Yes (Please indicate whether approval for animal research ethics has been obtained from CULATR)
- Yes, I confirm that I have already obtained the necessary approval.
(Note: Please submit the formal approval letter to the DRPC separately.)
- No. I have not obtained the necessary approval, and will not start data collection before receiving approval from the committee.
- No (Please Specify)
- No

IRB = The Institutional Review Board of the University of Hong Kong/Hospital Authority Hong Kong West Cluster

HREC = Human Research Ethics Committee

CULATR = The Committee for the Use of Live Animals in Teaching and Research

^ Please check with the Operational Guidelines and Procedures (<http://www.rss.hku.hk/integrity/ethics-compliance>) to decide on which institutional ethical body should you submit your application for ethical approval.

10. Other information:

Students in the **Faculty of Engineering** are required to provide a summary of the work done during the period under review.

Students in the **Faculty of Medicine** are required to provide (i) detailed progress in research project during the period under review, and (ii) a working plan (experiments and thesis writing) for the next six months.

(Attention: Only text can be input in the following box. Please click here for instructions if you need to include diagrams or graphs.)

For the first two months of my mphil, I have found that the Sars2 membrane protein would induce interferon and cytokine production, when cgas-sting is added. This proves that the M protein could activate the DNA-sensing pathway, which is different from the RNA-sensing pathway. Then I spent the next two months studying where the leaked DNA could be coming from, I have confirmed that M protein induces apoptosis, but my further studies have ruled out nuclear DNA leakage as a possibility. And up till now I have been trying to prove that M would lead to leakage of mitochondria DNA and leads to activation of cgas-sting. My plan for the next 6 months is to find out the mechanism of the DNA leakage, which mitochondrial proteins would M interact with, and how can the pores be formed. Then for next year, I will study the M

protein from different strains of sars2, which has a few mutations and how they will interact with the mitochondria and whether they will activate cgas-sting. And the main bulk of thesis writing will start at next year's semester start.

Declaration

- I understand that plagiarism and falsification of data is serious academic misconduct. I am also aware of the relevant regulations prohibiting such, and the consequences of an infringement. (Relevant information in this regard is available in the Graduate School Handbook).
- I understand that I am required to submit a Data Management Plan (DMP), where applicable, before the expiry of my probationary period if data is to be collected or generated as part of the research. The DMP should be submitted to the website managed by Research Data Services of the University Libraries (<http://lib.hku.hk/researchdata/rpg.htm>). I am also required to submit the dataset of my research, where applicable, when I submit my thesis for examination.

Section C: For Chairperson of DRPC (to be shown to the Supervisor(s) and the Candidate)

1. Has the Committee considered the personal/research/supervisory problem(s), if any, reported by the candidate in B6 above? If yes, what is/are its recommendation(s)? If no, please mark "nil".
nils
2. Comments on the satisfaction (B5) and feedback (B8) of the candidate on the programme above, if applicable. (Please mark "nil" for no comment.)
nils

----- End of Report -----