



FACULTY OF MEDICINE



January 2016

Carey Lab Graduate Student Posting
UBC Reproductive and Developmental Sciences
Faculty of Medicine

JOB DESCRIPTION

We are seeking a student to begin in January 2017 for a thesis-based Master's of Science program within the Reproductive and Developmental Sciences program, UBC Faculty of Medicine. Start time is flexible if students hold their own funding for the 2016-2017 year. Potential candidates can request support with applying for CGS-Master's funding for the 2017-2018 academic year, including assistance with research proposal development. Candidates must meet entrance requirements for the UBC Reproductive and Developmental Sciences graduate program. Research projects are mainly translational in nature, with strong ties to clinical applications.

Questions about the graduate student placement for interested applicants can be directed to amy.e.dawson@gmail.com.

Letters of interest and resumes should be directed to Dr. Mark Carey, mark.carey@ubc.ca prior to June 2016. The successful candidate will be required to submit an application to the Department of Reproductive and Developmental Sciences prior to July 31, 2016, for a January 2017 start.

1. JOB IDENTIFICATION

Proposed Job Classification: Master's Student (M.Sc.)
Faculty: Medicine
Department: Department of Obstetrics and Gynecology, Reproductive and Developmental Science Program, UBC

2. JOB SUMMARY

The Graduate Student will be working on projects studying low-grade serous ovarian cancers and cervical cancers. This may include development of cell lines from primary patient tumors, characterization of drug sensitivity in low-grade serous cell lines, and working with selected cervical cancer tissues in order to evaluate these samples for HPV subtypes. For this project, both laboratory work and administrative duties are required. Good organizational skills and the ability to work both independently and in a team setting is required.

3. ORGANIZATION STATUS

Reports directly to Dr. Mark Carey and is supervised by his delegates.

4. WORK PERFORMED

- Prepare lysates from both tumor samples and cell lines. Preparation of cell lines will require

mammalian tissue culture, and in some cases treatment with drugs and/or siRNA/plasmids.

- General molecular laboratory techniques may also be required for samples such as, but not limited to: DNA/RNA extraction, PCR, Western blot, cell block immunohistochemistry, protein work and other related techniques with instructions from supervisor or Dr. Carey
- Administrative duties include keeping track of orders, ordering reagents, supplies, and keeping records of experiments and results.
- Data entry for computer records and database management.
- Preparation and processing of samples for flow cytometry, sequencing, and immunohistochemistry
- Preparation of research articles and review papers related to low-grade serous ovarian carcinomas, cervical adenocarcinomas, and other gynecologic cancers.
- Preparation of abstracts and presentations for conferences and meetings.
- Preparation of grant submissions for funding applications.

5. CONSEQUENCE OF ERROR/IMPACT OF DECISION

Because errors may have deleterious impact on experiments to be performed, such errors should as much as possible be avoided. Intermittent errors would necessitate review of quality control techniques and continual errors in routine work could lead to discipline or dismissal.

6. SUPERVISION RECEIVED

Overall supervision will be provided by the Principal Investigator (Dr. Mark Carey). The student will also be supervised by Dr. Marta Llaurado (postdoctoral research associate) and Amy Dawson, (graduate student). The student will be expected to follow the policies and procedures of the OvCaRe Laboratory. (Ovarian Cancer Research Laboratory)

7. SUPERVISION GIVEN

None

8. WORKING CONDITIONS

Work to be performed in the Robert H.N. Ho Research Centre at Vancouver General Hospital

9. ORGANIZATIONAL CHART

Principal Investigators (Carey)

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Post-Doctoral Fellow (Llaurado)

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Graduate Students

10. PERSONNEL SPECIFICATIONS

Applicant must meet minimum admission requirements specified at <http://obgyn.ubc.ca/education/graduate-studies/how-to-apply/>. Previous research or technical lab experience is preferred.