Appendix 1 (part 1 of 2): Questions in a survey of pharmacists about their research experience and interests; references are indicated for questions derived from the literature (see Appendix 2 for the specific flow of questions for each group of respondents)

1. Which site/health authority within the LMPS are you currently working in? (if you work at more than one site/health authority, select the one health authority you spend the majority of the time)
   a. Vancouver Coastal Health (Vancouver General Hospital, Richmond Hospital, UBC Hospital, Lions Gate Hospital etc)
   b. Providence Health Care (St. Paul’s Hospital, Mount Saint Joseph Hospital etc)
   c. Fraser Health Authority (Royal Columbian Hospital, Surrey Memorial Hospital, Eagle Ridge Hospital, Burnaby General Hospital etc)
   d. Provincial Health Services Authority (BC Cancer Agency, BC Children’s Hospital, BC Women’s Hospital etc)

2. What is your current position within the LMPS?
   a. Dispensary Pharmacist
   b. Clinical Pharmacist
   c. Clinical Coordinator
   d. Clinical Supervisor
   e. Other [Text box]

3. How many years have you worked in a pharmacy? [Number]

4. What is your highest level of education? Choices are listed in alphabetical order:
   a. BScPharm
   b. Fellowship
   c. MSc
   d. PhD
   e. Post-Graduate PharmD
   f. Residency
   g. Undergraduate PharmD
   h. Other [Text box]

5. How many years of practice do you have? [Number]

[Questions 6, 9–18 were derived from the literature and had been used to classify the level of expertise of the respondent]

6. How would you self-identify your current research skills?
   a. Experienced
   b. Moderately experienced
   c. Inexperienced — no experience with any research projects

7. Have you participated in projects before? (excluding projects that were mandatory, such as projects completed in partial fulfillment of the requirements for your program)
   a. Yes
   b. No

8. Are you interested in participating in future projects?

9. How many projects have you participated in within the last 5 years? [Number]

10. Of those studies that you participated in the last 5 years, how many studies have you been the primary investigator? [Number]

11. Of those studies that you participated in the last 5 years, how many studies have you been the co-investigator? [Number]

12. In the research projects you participated in the past 5 years, how many times did you develop a research protocol? [Number]
   a. never
   b. 1–3 times
   c. greater than 3 times

13. In the research projects you participated in the past 5 years, how many times did you apply for grant funding? [Number]
   a. never
   b. 1–3 times
   c. greater than 3 times

14. In the research projects you participated in the past 5 years, how many times did you perform study data analysis? [Number]
   a. never
   b. 1–3 times
   c. greater than 3 times

15. In the research projects you participated in the past 5 years, how many times did you present (example: poster presentation at a conference, podium presentation) your study findings? [Number]
   a. never
   b. 1–3 times
   c. greater than 3 times

16. In the research projects you participated in the past 5 years, how many times did you publish your study findings? [Number]
   a. never
   b. 1–3 times
   c. greater than 3 times

17. What type of studies have you conducted in the past? (Select all that apply)
   a. Survey
   b. Chart Review
   c. Controlled Clinical Trial
   d. Focus group or qualitative
   e. Case-control or cohort study
   f. Other [Text box]

18. Of those studies conducted/participated in, what types of knowledge dissemination activities have you or the study/research group conducted? (Select all that apply)
   a. Published journal articles
   b. Podium presentations
   c. Poster presentations
   d. Keynote presentation
   e. Other [Text box]

19. Do you conduct research for your personal interest?
   a. Yes
   b. No

20. Do you conduct research as part of your job requirement?
   a. Yes
   b. No

Appendix 1 (part 2 of 2): Questions in a survey of pharmacists about their research experience and interests; references are indicated for questions derived from the literature (see Appendix 2 for the specific flow of questions for each group of respondents)

21. Have you considered participating in a research or quality assurance project in the past?
   a. Yes
   b. No

22. Are you interested in leading or joining a research team?
   a. Yes
   b. No

23. Do you wish to conduct research for your personal interest?
   a. Yes
   b. No

24. Do you feel conducting research is part of your job requirement?
   a. Yes
   b. No

25. Have you ever considered working with other health professionals in a quality assurance or research project?
   a. Yes
   b. No

26. What type of studies are you considering? (Select all that apply)
   a. Survey
   b. Chart Review
   c. Controlled Clinical Trial
   d. Focus group or qualitative
   e. Case-control or cohort study
   f. Other [text box]

27. More specificity, which areas of designing, implementation and publication of a study would you feel you are strongest in? (Select all that apply)
   a. Extracting, critiquing, and evaluating scientific evidence from the literature
   b. Generating a research hypothesis
   c. Designing an appropriate experiment to address the research questions from your experience
   d. Conducting the experiment
   e. Finding possible problems in the design and execution of your study
   f. Developing appropriate ways to recruit study participants for your study
   g. Statistical analysis of the data
   h. Protecting the rights and well-being of the participants of your study
   i. Identifying meaningful ways to translate research into discoveries about human health
   j. Clearly and succinctly present the information to your target audience
   k. All of the above

28. Which areas of designing, implementation, and publication of a study would you feel you are weakest in? (Select all that apply)
   a. Extracting, critiquing, and evaluating scientific evidence from the literature
   b. Generating a research hypothesis
   c. Designing an appropriate experiment to address the research questions from your experience

References
Appendix 2: Survey flow, showing questions for each group of respondents (according to their experience with and interest in performing research)

Baseline Demographics (Q1-6)

Have you done a research project before? (Q7)

Yes

No

Would you be interested in doing future projects? (Q8)

Yes

No

Questions: Regarding the number of projects done + dissemination + Research for interest/job (Q9-20); strengths /weaknesses + barriers, factors, benefits, tools (Q28-33)

Total = 26 questions

Questions: Strengths /weaknesses + barriers, factors, benefits, tools (Q28-33)

Total = 14 questions

Questions: Research for interest/job, participation in types of projects + types of projects considered (Q19-27); strengths /weaknesses + barriers, factors, benefits, tools (Q28-33)

Total = 23 questions

Questions: Barriers, factors, tools (Q30-33)

Total = 12 questions