SCHOLARLY ACTIVITY: INTRODUCTION

Dr. Erin Michalak
Associate Program Director, Scholarly Activity
ROYAL COLLEGE REQUIREMENTS

The Royal College of Physicians and Surgeons of Canada (RCPSC) CANMEDS roles for medical experts states that: As Scholars, psychiatrists demonstrate a lifelong commitment to reflective learning, as well as the creation, dissemination, application and translation of medical knowledge.

The RCPSC training objectives includes the following key competencies for Scholarly Activity:

- Maintain and enhance professional activities through ongoing learning;
- Critically evaluate medical information and its sources, and apply this appropriately to practice decisions;
- Facilitate the learning of patients, families, students, residents, other health professionals, the public and others, as appropriate; and
- Contribute to the development, dissemination, and translation of new knowledge and practices.
DEPARTMENT OF PSYCHIATRY REQUIREMENTS

Summary of Process and Responsibilities for Residents:

- Identify supervisor and scholarly activity project by end of PGY2
- Submit outline of project to PGE (Research and Scholarly Activity Committee) for approval by end of PGY2
- Review progress annually with Regional Program Director and PGE Director
- Complete data analysis by end of PGY4
- Submit final written report to PGE (Research and Scholarly Activity Committee) for approval by mid PGY5
- Complete dissemination by mid PGY5
- Evaluate their supervisor
SCHOLARLY ACTIVITY PROJECT OBJECTIVES

At the completion of the Scholarly Activity project, residents will be able to:

• Pose a scholarly question with a testable hypothesis
• Select and apply an appropriate study method and design
• Determine the ethical obligations for the project
• Conduct a systematic literature search using publicly available databases
• Synthesize the literature using critical appraisal
• Apply appropriate statistical methods
• Present their findings in a scientific format (oral or poster) at a regional, national or international conference
• Report their findings and conclusions in a written paper format suitable for publication
FURTHER DETAILS

Eligible projects can include:

1. Case reports + systematic review of the literature
2. Systematic reviews ± meta-analyses
3. Quality improvement projects (e.g., chart reviews)
4. Educational projects (e.g., curriculum evaluation)
5. Research projects (clinical, epidemiological or basic)
FURTHER DETAILS

• Ethics approval is usually required for projects involving human or animal subjects, including some chart reviews. The approval process for ethics submission and approval may take up to 3-6 months.

• Residents must present their project at a scholarly forum (e.g., Grand Rounds, Department of Psychiatry Annual Research Day, conferences).

• The final report can be in the form of an expanded structured abstract (1500-2000 words), a manuscript suitable for publication, or a submitted/published manuscript.

• At completion of the project, the supervisor will also complete an evaluation on One45 using the Research ITER.
TIMELINES AND MILESTONES

PGY1
- Review annual progress with Regional Program Director (or designate) and PGE Director

PGY2
  Optional

PGY3
- Consider a research elective
- Identify a project and research supervisor by end of PGY2 (June)

PGY4
- Complete the online TCPS2 Tutorial on research ethics by end of PGY3 (June)
TIMELINES AND MILESTONES

PGY1
- Identify a project and research supervisor by end of PGY2 (June)
- Submit project abstract form to PGE (Research and Scholarly Activity Committee) for approval by end of PGY2 (June)

PGY2
- Work on project until completion
- Review annual progress with Regional Program Director (or designate) and PGE Director

PGY3

Optional

PGY4
- Complete the online TCPS2 Tutorial on research ethics by end of PGY3 (June)

PGY5
- Present the project results by mid-PGY5 (December)
- Submit final project report by mid-PGY5 (December)
- Complete evaluation for supervisor by mid-PGY5 (December)
## TIMELINES AND MILESTONES

<table>
<thead>
<tr>
<th>PGY1</th>
<th>Complete the online TCPS2 Tutorial on research ethics by end of PGY3 (June)</th>
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<tbody>
<tr>
<td>PGY2</td>
<td>Work on project until completion</td>
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<td>Review annual progress with Regional Program Director (or designate)</td>
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<td>and PGE Director</td>
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<td>PGY3</td>
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<td>Present project results by mid-PGY5 (December)</td>
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<td>Submit final project report by mid-PGY5 (December)</td>
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<td>PGY4</td>
<td>Complete evaluation for supervisor by mid-PGY5 (December)</td>
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<td>PGY5</td>
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TIMELINES AND MILESTONES

PGY1
- Complete any data analysis for project by end of PGY4 (June)
- Work on project until completion

PGY2
- Review annual progress with Regional Program Director (or designate) and PGE Director
  (Optional)

PGY3

PGY4
- Present the project results by mid-PGY5 (December)
- Submit final project report by mid-PGY5 (December)

PGY5
- Complete evaluation for supervisor by mid-PGY5 (December)
TIMELINES AND MILESTONES

PGY1
● Present the project results by mid-PGY5 (December)

PGY2
● Submit final project report by mid-PGY5 (December)
● Complete evaluation for supervisor by mid-PGY5 (December)

PGY3
● Review annual progress with Regional Program Director (or designate) and PGE Director

PGY5
## REVIEW OF ANNUAL PROGRESS

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<th>In progress</th>
<th>Completed</th>
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<tr>
<td>Supervisor confirmed?</td>
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<td>Other necessary team members identified? In place?</td>
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<td>Research question formulated?</td>
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<td>Draft of abstract?</td>
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<td>Sufficient resources available?</td>
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<td>UBC Ethics submitted/approved?</td>
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<td>Other institutional approvals submitted/approved?</td>
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<td>Literature review underway?</td>
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### REVIEW OF ANNUAL PROGRESS

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<td>Measures selected?</td>
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<td>Sample identified/Recruitment underway?</td>
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<td>Data collection underway?</td>
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<td>Analytic plan developed/analyses initiated?</td>
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<td>Draft of final report (background, question, methods, results, discussion, conclusions) underway?</td>
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<td>TCP2 ethics tutorial completed?</td>
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<td>Project presented?</td>
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<td>Other? (specify):</td>
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FORMS AND SUPPORT DOCS
All forms available here ➔ http://psychiatry.ubc.ca/education-programs/postgraduate-education-scholarly-activity/scholarly-activity-project/

Scholarly Activity Project

The Royal College of Physicians and Surgeons of Canada has mandated that all residency programs must include a scholarly activity project, in recognition that active participation in scholarly activity is a necessary component of preparing future psychiatrists to fulfill their role as scholars and educators upon graduation. Guided participation in scholarly activity during residency training enhances the ability to critically evaluate clinical and scientific information from a variety of sources and provides residents with the requisite skills for a lifetime of maintenance and enhancement of their professional skills.

This policy outlines the PGE expectations and commitment of resources to assist our residents in meeting the mandate to complete a scholarly activity as part of their residency training. Residents can fulfill their scholarly activity requirement by completing a research project, systematic review of the literature, quality assurance project, or a scholarly educational project. Scholarly activity for all four categories requires a systematic approach to formulating the question, acquiring the relevant information/data, critically analyzing/appraising the information, and disseminating the results.

Residents entering PGY1 starting from July, 2015 have a requirement to complete a scholarly activity project by the end of PGY5. Important information about this project can be found in these documents.

- Scholarly Activity Project Policy, final Oct 5, 2019
- UBC Scholarly Activity Project Objectives, August 2019
- UBC Resident Scholarly Activity Project Checklist, August 2019
- Systematic reviews for PGE, Dec-2017
- UBC Resident Scholarly Project Abstract Form, August 2019
- Grand Rounds Scholarly Checklist
RESIDENT RESEARCH ABSTRACT FORM

PGY Year
- PGY1
- PGY2
- PGY3
- PGY4
- PGY5
- PGY6

Type of project
- Research
- Education
- Quality Assurance
- Systematic Review
- Case Report and Critical Review

Co-supervisor (if applicable)

Is ethics approval required for your project?

If YES, give date of ethics certificate obtained, or date that you expect to submit an ethics application.

Title of project
RESIDENT RESEARCH ABSTRACT FORM

Resident's LAST NAME

Resident's FIRST NAME

PGY Year
- PGY1
- PGY2
- PGY3
- PGY4
- PGY5
- PGY6

Project Supervisor's Name

Co-supervisor (if applicable)

Is ethics approval required for your project?

If YES, give date of ethics certificate obtained, or date that you expect to submit an ethics application.

Title of project

Description of Project (briefly describe the objectives and methods, 300-500 words)
## Grand Rounds – Scholarly Activity Checklist

**Name of presenter:** ___________________________________________  PGY: 1 2 3 4 5 6

**Name of evaluator:** ___________________________________________

**Date:** _______________________________________________________

**Topic:** _______________________________________________________  

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<th>Question</th>
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<tr>
<td>Is a disclosure slide presented?</td>
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<td>Are the learning objectives achievable?</td>
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<td>Is the topic question(s) sufficiently focused?</td>
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<td>Is the literature search strategy listed?</td>
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<td>Are the included studies appropriate for answering the question(s)?</td>
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<td>Is the quality of studies assessed?</td>
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<td>Is primary source material used?</td>
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<td>Have guidelines/systematic reviews/meta-analyses been searched/cited?</td>
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<td>Have randomized controlled trials (RCTs) been searched/cited?</td>
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<td>Are all findings/statements/recommendations adequately cited in each slide?</td>
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<td>Is clinical relevance (as opposed to statistical significance) discussed?</td>
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<td>Are benefits and harms discussed?</td>
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<td>Are limitations of the evidence discussed?</td>
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<td>Are the conclusions/recommendations justified by the evidence?</td>
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**Comments:**
Systematic Reviews for the PGE Scholarly Activity Project

Raymond W. Lam, MD, FRCPC
December 12, 2017

What is a systematic review?

The minimal requirement for the scholarly activity project is a “systematic review” of the literature. The Cochrane Collaboration (www.cochrane.org) defines a systematic review as “a review of a clearly formulated question that uses systematic and explicit methods to identify, select, and critically appraise relevant research, and to collect and analyze data from the studies that are included in the review. Statistical methods (meta-analysis) may or may not be used to analyze and summarize the results of the included studies.”

The method of a systematic review is an explicit approach that aims to minimize bias and allows readers of the review to assess the author’s assumptions, procedures, evidence and conclusions, rather than taking the author’s conclusions on faith. It also allows other people to later update the review to integrate new findings.
Postgraduate Education, UBC Department of Psychiatry
Scholarly Activity Project Template

Erin Michalak and the Research and Scholarly Activity Committee September 30th 2019

Notes: Residents are required to submit a final written report by mid PGY5 to the PGE for evaluation by the Research and Scholarly Activity Committee. This written report can be in the form of a manuscript suitable for publication, or in a structured extended abstract format (approximately 1500-2000 words). This form provides a template for the written report. Please note that this template is not prescriptive – report structure will differ according to whether your project is a research project, systematic review, case report and systematic review, quality assurance project, or a scholarly educational project.

Report sub-sections:

1. Project Title
2. Authors
3. Plain Language Summary. Plain language summaries, sometimes called a lay summary or plain language abstract, are often required by academic journals. They represent an important aspect of effective knowledge translation to non-specialist audiences. For helpful guidance on creating an effective plain language summary, see this blog: https://www.msfhr.org/news/blog-posts/plain-language-summaries
4. Structured Abstract
   a. Typically, your structured abstract will include the following subsections; Background; Objective/Aims/Hypotheses; Methods; Results; Conclusions; Key Words (for guidance on selecting appropriate key words, or ‘Medical Subject Headings or MeSH) see: https://meshb.nlm.nih.gov/search &
Questions or support?
Contact Dr. Erin Michalak
erin.michalak@ubc.ca