

University of Toronto
General Surgery Research Elective - Goals and Objectives

Preamble

Research Electives will be offered to PGY2, 3, 4, 5 residents who are meeting expectations on clinical rotations and have at least average standing on examinations (POS, CAGS, practice orals). Research Electives will be approved by the Program Directors office after the Research Electives request form has been completed, but at a minimum after a specific project and project supervisor have been identified.

It is an expectation that residents who participate in a research elective will have completed one manuscript by the end of their post graduate training in General Surgery. Residents who participate in a research elective are expected to present their work at the Annual Assembly of General Surgeons and/or Gallie Day.

Scholar

1. Demonstrate timely and accurate completion of the Research Electives proposal form.
2. Demonstrates the ability to identify an appropriate research question.
3. Demonstrates the ability to complete an adequate search of the literature in a defined area.
4. Demonstrates critical appraisal skills.
5. Demonstrates the ability to complete a research ethics board application.
6. Demonstrates the ability to prepare and present a research proposal in a cohesive and organized fashion.
7. Demonstrates a fundamental knowledge of the subject and the methodology utilized in the research project.
8. Demonstrates the ability to describe and explain the results obtained and situate these results in the existing literature.
9. Demonstrates the ability to write and present an abstract at a local, national or international meeting.
10. Demonstrate the ability to participate in the preparation of a grant (may not be achievable by all trainees).
11. Demonstrates a clear understanding of the structure and purpose of scientific writing.
12. Demonstrates the ability to participate in the writing, revision and publication of a manuscript (>4 months of combined research elective time).

Manager

1. Demonstrates the ability to adhere to timeline and complete a research project in the allocated time.

Collaborator

1. Demonstrates the ability to successfully seek out and participate in collaborations related to like research programs locally, nationally or internationally.
2. Demonstrates the ability to collaborate with the supervisor and other members of the research team to complete the project.

Proposal Research Electives

Requests to complete research electives should be filed with the Office of the Program Director. A 3-5 page summary should be organized into the following headings. This document is due at least four weeks in advance of the start of the research rotation.

- A. Name of Faculty Research Supervisor
- B. Title of Project
- C. Start and End Date of Research Elective

- 1. Statement of problem
- 2. Background
- 3. Research question
- 4. Methodology
- 5. Expected data elements
- 6. Examples of tables for data collection
- 7. Timeline for completion of project
- 8. Dissemination plan (where you expect this work could be presented or published)
- 9. Key references, between 6 and 10