

January 2019

Goals and Objectives for the Research Elective/Selective

All residents must create and present a project at Resident Research Day in 2 of their 3 core years of Internal Medicine residency. Residents have the option of choosing a research selective or elective to further their research interests. This could involve a QI, clinical, epidemiological, or case report project, among other things. In addition to presenting at Memorial's Research Day, residents are encouraged to present at National and Internal Conferences. During their research rotation, residents may gain or further their insight into, and knowledge of, the ethical issues in research, critical appraisal, how to design a research study and how write a proper research article under the guidance of their preceptor or research mentor. They are expected to build on their independence with these activities as they progress in their research experience. They will be evaluated using an end of rotation ITER, as well as on any presentations of their research they make.

MEDICAL EXPERT

1. Demonstrate medical expertise/knowledge in their research field

COMMUNICATOR

1. Effective writing of a research proposal, including ethics application
2. Effective writing of a research article, creation of a poster or PowerPoint presentation
3. Effective oral presentation of research findings
4. Ability to work with supervisor and convey understanding of research principles

COLLABORATOR

1. Develop collegial relationships with other physicians/scientists/and research personnel involved in the research project

SCHOLAR

1. Demonstrate an ability to critically analyze research results
2. Knowledge of appropriate theoretical background and critical appraisal of published research findings
3. Demonstrate skill in searching the literature before planning a project
4. Demonstrate ability to formulate a hypothesis and design experiments to test them
5. Develop skill in performing procedures involved in the clinical study or any laboratory techniques involved in a basic or translational research project

HEALTH ADVOCATE

1. Understand the role of research in improving patient/social health

PROFESSIONAL

1. Attitudes, values and ethics (including getting consent and HREB approval)

2. Demonstrate a commitment to improving one's performance by seeking and responding to feedback

Objectives will be met by:

Participation in Critical Appraisal Course/Research Design Course
Mentoring from Staff
Case reports
Clinical and Bench Projects
Presentation of Final Project at Research Day or conference etc.

Evaluation:

Final research project presentation
Mentor evaluations/ITERS