Clinician Investigator Program

Faculty of Medicine
University of Toronto

A research training program accredited by the
Royal College of Physicians and Surgeons of Canada

CIP Handbook

2021-2022

U of T Clinician Investigator Program
Faculty of Medicine
University of Toronto
Medical Sciences Building #2256
1 King's College Circle
Toronto, ON M5S 1A8

Dr. Nicola Jones, Director
Julie Amato, Program Coordinator

Phone: (416) 978-7189
E-mail: uoft.cip@utoronto.ca
Website: https://cip.utoronto.ca/

Table of Contents

INTRODUCTION AND PROGRAM DESIGN

The University of Toronto Clinician Investigator Program (CIP) is an accredited Postgraduate Training Program of the Royal College of Physicians and Surgeons of Canada. The CIP affiliates thus include the Royal College and Faculty of Medicine, Postgraduate Medical Education. The Royal College Council approved the specific standards of accreditation pertinent to the CIP in 1995 (revised, 2013). The University of Toronto (U of T) Clinician Investigator Program was the first fully accredited program in Canada. Nationally, CIP consists of fourteen fully accredited programs located at major Canadian universities. The U of T CIP is the largest of these programs with approximately 140 trainees enrolled at present.

The CIP program design integrates research and clinical training, and provides the skills and knowledge fundamental to a career as a clinician investigator. For individuals in a postgraduate medical education specialty/subspecialty training program who intend to pursue a clinician scientist/clinical investigator career track; the purpose of the CIP is twofold:

1) to provide the opportunity to undertake research training while enrolled in a graduate degree program; or
2) to provide a postdoctoral research experience for graduates of an MD/PhD program

The U of T Clinician Investigator Program is available only to residents enrolled in a specialty/ subspecialty training program accredited by the Royal College of Physicians and Surgeons of Canada. All CIP trainees commence their research training while registered as a postgraduate (PGY) trainee at the Faculty of Medicine, Postgraduate Medical Education office. They possess a Royal College registration number.

Graduate level studies are integral to the completion of the **research component** of the CIP. The minimum commitment to research training in the CIP is two years of full-time study (Master's level degree). The time that a CIP trainee, on the continuous training (CT) pathway, dedicates to his or her research project of choice can be **no less than 80%,** allowing only 20% of time for clinical duties. There are two routes to the completion of the research component:

- Graduate stream – Master's (e.g., MSc, MEd), PhD
- Non-Graduate stream – postdoctoral fellowship

Registrants in the CIP must complete their research component and clinical component (specialty/ subspecialty training) to earn certification as a clinician investigator (see "CIP Completion").

Why enroll in the CIP?

- Research Career Pathway: Residents in a specialty/subspecialty program have an opportunity to train as clinician investigators in an accredited and audited Royal College research training program and concomitantly pursue a Master of Science or Applied Science, Master of Education, or Doctor of Philosophy degree
- The Clinician Investigator Program is designed to provide dedicated research time
- CIP trainees have the opportunity to attend practical and informative research and career-focused seminars
- CIP trainees receive bioethics training
- CIP graduates obtain a certificate of completion from the RCPSC, attesting to the completion of the research and clinical components of the program
- CIP graduates are better able to compete for grant funding opportunities because they have proven dedication to a clinician-investigator career by enrolling in CIP.

GOALS AND OBJECTIVES OF THE CIP

The fundamental aim of the Royal College Clinician Investigator Program is to provide trainees with the knowledge, skills and attitudes necessary to embark on a successful career in health research. In most cases, further research training specific to the candidate's field of interest will be required so that s/he can succeed as an independent investigator.

During the two years of the research component in the continuous training (CT) pathway, some time may be spent in clinical activity related to the research; however, the majority of time (at least 80%) must be devoted to research. In the distributive curriculum training (DCT) pathway, the requirement during the 27 month research component is to dedicate 75% of time to research, to accommodate integration of clinical training that would normally be undertaken in the PGY3 year of specialty/subspecialty training. In the fractionated training (FT) pathway, the requirement during the (minimum) 24 month research component is to dedicate at least 80% of time to research in periods of 3 months or longer blocks, with one year of continuous research training.

CIP educational objectives comply with the Royal College of Physician and Surgeons of Canada CanMEDS competency guidelines.

For more information, visit the "Specific Standards of Accreditation" section of the Royal College website: http://www.royalcollege.ca/portal/page/portal/rc/credentials/accreditation

Medical Research Expert

- Function effectively as a clinician investigator, integrating all of the CanMEDS Roles to function as a clinician and to conduct ethical research
- Seek appropriate consultation from others as required, recognizing the limits of their own clinical research expertise

Scholar

- Establish and maintain knowledge and understanding of general principles and fundamentals of research
- Establish and maintain knowledge and understanding of the specialized topics in the specific area of research
- Elicit, synthesize, and critically evaluate information and apply it appropriately to research
- Achieve overall competence in techniques required for the research project (i.e. experimental design, data collection and management, and analysis)
- Achieve overall competence in analyzing and interpreting the results of an experiment
- Consult appropriately for feedback on knowledge and performance

Collaborator

- Participate effectively and appropriately in inter-professional research teams
- Effectively work with others in research teams to prevent, negotiate and resolve inter-professional conflicts

Professional

- Demonstrates commitment to profession, society, research participants and patients through the importance of absolute objectivity and honesty in the conduct and reporting of research

Communicator

- Develop rapport, trust and ethical relationships with research participants, peers and other professionals
- Effectively write research proposals, reports, grant proposals and manuscripts
- Effectively present own work at lab meetings, research seminars, thesis advisory committee meetings, scientific meetings, and able to defend and discuss the presentation in an articulate and polished manner
- Endeavour to form collaborative relationships within the scientific community
- Demonstrate an ability to prevent, negotiate and resolve inter-professional conflicts

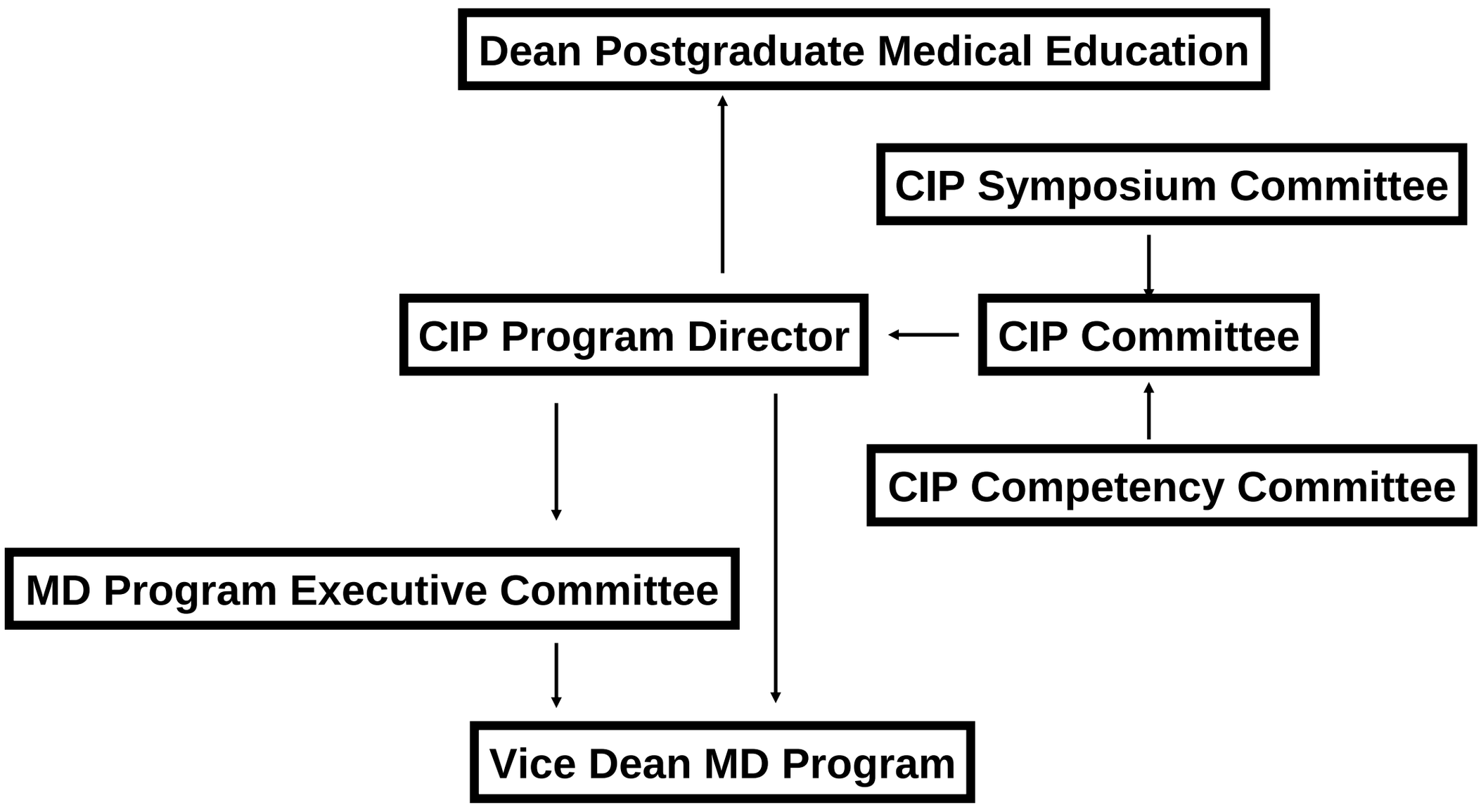
Leader

- Effectively manage activities for research and career development
- Effectively and efficiently manage research project and resources (financial & materials)
- Manage experimental data recording and result interpretation appropriately in research endeavours
- Serve in administration and leadership roles, as appropriate to their research career

Health Advocate

- Demonstrate appreciation of social economic and biologic factors that impact health research
- Demonstrate advocacy for subjects, patients, populations, communities, as appropriate
- Promote research knowledge translation to patients, populations, communities, other stakeholders, as appropriate

Attachment #4 – Clinician Investigator Program Organizational Chart



ORGANIZATIONAL STRUCTURE

The following illustrates the administrative structure of the Clinician Investigator Program, a structure that complies with the Royal College's "Standards of Accreditation" for this program.

Terms of Reference:

CIP Program Director:

- Must be a member of the Postgraduate Medical Education Advisory Committee
- Reports to the Vice-Dean Postgraduate Medical Education
- Is responsible for the planning, organization and supervision of the CIP
- Ensures Royal College standards are met

CIP Committee:

(Composed of faculty members of graduate units, Faculty of Medicine departments, as well as CIP trainee representatives. For current membership, see the administrative webpage at https://cip.utoronto.ca/clinician-investigator-program-committee

- Selection of CIP residents with specific adjudication of research projects, research environment, and relationship to clinical training;
- Approval of supervisors; for trainees in the postdoctoral stream (non-graduate degree) review of research advisory committees and additional mentors;
- Ensuring that CIP policies, and procedures, are in compliance with the standards of the Royal College of Physicians and Surgeons of Canada;
- Coordination between the CIP and Departments and Academic Units related to the implementation of the CIP;
- Ensuring that records of all research residents enrolled in the CIP including interim and final evaluations are in order;
- Advising the CIP Director regarding any issues related to trainee progress;
- Verification of satisfactory completion by the resident of the research component of the program based on RCPSC standards;
- Review and implementation of the CIP curriculum.

RESPONSIBILITIES OF THE RESEARCH SUPERVISOR

The general responsibilities of a CIP research supervisor are as follows:

1. Direct the graduate program of the trainee facilitating timely completion of research, thesis writing and defense.
2. Provide mentorship and serve as an academic role model.
3. Choose appropriate members for the graduate Program Advisory committee (see below) and ensure, jointly with the trainee, that the ongoing supervision and evaluation is appropriate and timely.
4. Ensure all trainee evaluations (ITERs) are entered on POWER or completed on paper form (if trainee no longer on POWER).
5. Ensure appropriate continuing supervision of the trainee during any leave of absence from the University (e.g., sabbatical).
6. Disclose to the trainee the CIP supervisor's intention regarding funding of the trainee throughout the graduate program.

A successful match between supervisor and trainee is dependent on dual commitment. Although self-directed learning is emphasized, graduate trainees particularly at the Master's level may require considerable assistance in defining their research project. Independence is often not achieved until the final stages of a PhD. Each trainee enters their graduate program with a unique set of academic and personal skills. The supervisor should carefully and accurately assess the trainee's abilities and provide guidance, as needed. The trainee must acquire methodological expertise and content knowledge necessary to successfully complete the research and thesis in a timely fashion (see time to degree completion) for completion of degree. Agreement between supervisor and trainee about the specific research goals and engagement of the trainee in these studies must occur within the first 6 months of enrollment in the graduate program.

Generally, the most successful match occurs when the trainee's research is an integral (and funded) component of the supervisor's ongoing investigation. This does not prevent the creative input of the trainee who should engage in the design and testing of new experimental hypotheses. In fact, particularly at the PhD level, contribution to new knowledge is an essential requirement for obtaining a graduate degree. The supervisor must have the content knowledge and expertise to ensure appropriate supervision.

Regular discussion between supervisor and trainee (e.g., weekly or biweekly) is essential to facilitate progress. In these meetings the supervisor should have an opportunity to review new data, plan further experiments, review material written by the trainee and discuss all aspects of the trainee's program including course work. The supervisor should give the trainee opportunities to write scientific abstracts and manuscripts as first author, and to present their research locally to other faculty members and trainees, as well as scientific conferences.

Graduate trainees will look to their research supervisors for guidance and support throughout their graduate program. Genuine interest and enthusiasm on their part as well as kind, critical appraisal will be highly valued and appreciated. In particular, trainees will need the supervisor's time. Prompt turnaround of their written work, especially thesis drafts, is not only helpful in achieving timely completion but also indicate to the trainee that their work is important.

PROGRAM ADVISORY COMMITTEE (PAC) OR THESIS COMMITTEE AND MONITORING OF TRAINEE PROGRESS THROUGH IN-TRAINING EVALUATION REPORTS (ITERs)

At the time of admission, the trainee and his/her supervisor should discuss the membership of the Program Advisory Committee (thesis committee). This Committee will usually be comprised of two or three (at most) individuals with appointments in the School of Graduate Studies, University of Toronto. The primary supervisor should have an appointment in the graduate unit chosen by the CIP trainee. At the PhD level, all members (including the supervisor) must have appointments as Full Members of the School of Graduate Studies. Their function is to provide expertise in areas relevant to the thesis topic which are complementary to the Supervisor's own interests.

It is strongly advised that the Program Advisory Committee of each CIP participant include a representative of the trainee's specialty/subspecialty, ideally either the Program Director or a suitable delegate. The role of this member would be to act both as a clinical research mentor, and to liaise between the trainee's graduate program and their clinical specialty/subspecialty program, ensuring that the expectations of both the graduate program and the postgraduate medical education programs are successfully synchronized.

Selection of members of the Program Advisory Committee should take place within the first 6-8 weeks, and a first meeting held with them within the first 6 months. An outline of the trainee's proposal including proposed course work should be presented at this meeting. A second meeting should take place near the end of the first year, at which time the trainee should present a review of the pertinent literature, an update on course completion, and an overview of the hypothesis and experimental approach to be undertaken.

The trainee should be encouraged to meet informally with members of the Committee as often as necessary.

Formal meetings of the trainee, supervisor and committee must be held for the purpose of reviewing the trainee's research proposal and monitoring progress at a rate of every six months for the first two years (the length of a master's program), and once a year thereafter for PhD students. Postdoctoral Fellows, and Master's students who take longer than two years to complete, continue to have meetings every six months until completion of their research project. It is usual for trainees to pre-circulate a short report and to begin the meeting with a 20 minute illustrated overview of his/her research. **At each meeting, the graduate trainee, advisory committee and supervisor will be required to complete an In-Training Evaluation Report (ITER).** The completed form should be entered on POWER by the supervisor as soon as possible. The CIP director reviews all electronic ITERs and any problems revealed are brought to the attention of the CIP Committee. Paper ITER forms are only acceptable for trainees who have completed their residency and are no longer on POWER.

The CIP ITER is in compliance with the Royal College CanMEDS requirements. The ITER also serves the same function as PAC reports for Institute of Medical Science trainees so that **only the CIP ITER form needs to be completed during PAC meetings**. However, the semi-annual IMS PAC reports and annual reports of the Institute of Health Policy, Management, and Evaluation should not be used in lieu of the CIP ITER because the latter is more detailed and CanMEDS-compliant. For each academic year IHPME students will need to complete the IHPME annual progress report, as well as the requisite CIP ITERs (as above).

Each graduate unit may have additional requirements or minor variances to the above protocol. Please check with your participating graduate unit or the CIP office for details.

EVALUATION OF THE RESEARCH COMPONENT OF THE CIP

The CIP ITER form includes a series of questions relevant to research supervision. In addition, all trainee participants in the CIP are given the option to fill out an "Evaluation of Research Program" (FITER) form annually and are required to do so at the end of their research training.

COMPLETION OF GRADUATE DEGREE REQUIREMENTS

Each graduate unit varies in its criteria for admission and degree completion. It is the responsibility of each CIP participant to carefully review the degree requirements of their graduate unit. Each trainee must abide by the degree requirements of the participating graduate unit and the CIP guidelines for selection of a research supervisor and Program Advisory committee, as well as compliance with CIP procedures for monitoring progress. If a question arises with regard to degree completion or CIP requirements, please contact the CIP Office.

Enrollment in the School of Graduate Studies.
All CIP participants must be enrolled as full-time graduate students in the School of Graduate Studies for a minimum of two years, and for the full duration of the research component of the CIP**. Trainees are expected to complete ALL DEGREE REQUIREMENTS of the participating graduate unit, including thesis defense, before returning to clinical training.** Accreditation in the Clinician Investigator Program will only be granted upon satisfactory completion of all graduate degree requirements, plus completion of the appropriate Postgraduate Medical Education Program.

Course Requirements.
As a general policy, the Clinician Investigator Program encourages trainees to spend the maximum time in their research, while enrolled in the School of Graduate Studies. Courses, however, can be invaluable in helping the trainee acquire the content, knowledge, and expertise for his/her chosen research field or discipline. It is expected that trainees will acquire a firm grasp of the fundamentals. Such a foundation is an absolute prerequisite for later success as independent researchers. Therefore, in selecting suitable courses, the supervisor and trainee should be guided not only by what is the expected standard, but also by opportunities to fill in gaps of knowledge.

Course requirements will vary, depending on the degree program and the graduate unit in which the CIP participant is enrolled. Information on course requirements and graduate courses available may be obtained from the participating graduate unit or the School of Graduate Studies Calendar.

Thesis Requirements.
Candidates for an MSc degree must submit a thesis on their research and pass an oral thesis examination. A Master's thesis is generally considered to be the equivalent of one full peer-reviewed research paper, with an historical introduction.

To qualify for the PhD degree, a thesis must be submitted and the trainee must pass an internal thesis defense and oral examination before proceeding to the final PhD oral examination conducted by the School of Graduate Studies. Generally speaking, a PhD thesis is considered to be a body of work roughly equivalent to three peer-reviewed research papers, with an appropriate scholarly introduction.

Ultimately the expectation is that the thesis work will reflect an original contribution to knowledge and that the candidate should have demonstrated an appropriate level of scholarship in his/her chosen field.

Other Requirements.
Participating graduate units may have additional degree requirements (e.g. a practicum) or variants in procedure and policy. It is the responsibility of each CIP participant to carefully review and comply with degree requirements.

TIMELINE FOR DEGREE COMPLETION

The timeline for degree completion should be understood by the Program Director, CIP participant, research supervisor and Graduate Coordinator (if applicable). The Program Director should be regularly informed of the CIP participant's progress, so that clinical planning may be efficiently organized.

Course requirements and thesis requirements of participating graduate units may impact on the CIP participant's time to degree completion. Consult with the Graduate Coordinator, Research Supervisor, and CIP Director if you have any questions.

Master's Program

The expected duration of the Master's (e.g., MSc) Program for CIP participants is about 24 months including time for thesis preparation and defense. The CIP is a minimum two-year program. *Engagement in research should be initiated as soon as possible and well underway within six months of enrollment.* At (or before) approximately 18 months, the Supervisor and Program Advisory Committee must meet to decide whether the trainee should complete an MSc or be recommended for transfer to PhD (see below). If the intention is to write the Master's thesis, a proposed schedule for completion should be determined. If it is decided by the trainee, supervisor and committee that PhD transfer is preferential, then the exam should be organized immediately through the participating graduate unit (see below).

Transfer to PhD In some graduate units, MSc trainees who display a high level of scholarly achievement and research productivity may be recommended by their supervisor and Program Advisory Committee for transfer directly into the PhD program. This process must be initiated **within 18 months** from the time of initial enrollment and generally requires a written recommendation from the Supervisor and Program Advisory Committee members followed by a formal examination. Course work for the MSc must be completed with a minimum of an A average. Evidence of productivity such as presentations and published abstracts and manuscripts (including work submitted to date) is essential.

PhD Program

The recommended time to completion of all PhD requirements is three to four years, including time for thesis preparation, a departmental thesis defense, and final School of Graduate Studies Oral Examination.

Engagement in research should be initiated as soon as possible and be well underway within six months of enrollment. A second meeting should be held near the end of the first year to review the trainee's progress. Course work is usually completed within the first two years of the PhD program. During this time, Program Advisory Committee meetings should continue to take place at six-month intervals, to assess progress and provide direction. By 24 to 30 months, a plan should be in place for completion of the degree. The thesis must be in its final form and approved by the Program Advisory Committee before the thesis defense can be arranged.

M.Sc. DEGREE TIMELINE TO COMPLETION

This timeline to completion of a M.Sc. degree is for the general use of registrants in the Clinician Investigator Program.

Before starting

- Select and apply to graduate unit
- Choose research supervisor
- Agree with research supervisor on trainee funding and apply for trainee awards as required
- Inform Program Director, Graduate Coordinator and CIP Office of intended start and end dates of CIP research component
- Apply and register with CIP

Start Research Component of CIP

- Register with the School of Graduate Studies, enroll in courses, and pay graduate school fees

Following admission to CIP

- Meet with CIP Director (Orientation)

2 Months

- Select Program Advisory or Thesis Committee

6 Months

- Complete first Program Advisory Committee Meeting and submit completed ITER form online. CIP participants should have finalized research plan and be engaged in research

12 Months

- Complete second Program Advisory Committee Meeting and submit completed ITER form online

18 Months

- Complete third Program Advisory Committee Meeting and submit completed ITER form online. Decide by this point whether to attempt transfer to Ph.D. Program, if applicable. If intending to complete M.Sc. degree, Program Advisory Committee and trainee must agree on a proposed schedule for degree completion
- Publication of research (if applicable) should be initiated by this time

24 Months

- **Complete degree requirements. Write and defend thesis**
- Complete Evaluation of Research Program form (FITER) and submit to CIP Office
- Contact CIP office to initiate preparation of "Attestation of Program Completion" to be reviewed by CIP Committee and forwarded to the Vice-Dean, PGME and RCPSC

Ph.D. DEGREE TIMELINE TO COMPLETION

This timeline to completion of a Ph.D. degree is for the general use of registrants in the Clinician Investigator Program.

Before starting

- Select and apply to graduate program
- Choose research supervisor

- Agree with research supervisor on trainee funding and apply for trainee awards as required
- Inform Program Director, Graduate Coordinator and CIP Office of intended start and end dates of CIP research component
- Apply and register with CIP

Start Research Component of CIP

- Register with the School of Graduate Studies, enroll in courses, and pay graduate school fees

Following admission to CIP

- Meet with CIP Director (Orientation)

2 Months

- Select Program Advisory or Thesis Committee

6 Months

- Complete first Program Advisory Committee Meeting and submit completed ITER form online. CIP participants should have finalized research plan and be engaged in research.

12 Months

- Complete second Program Advisory Committee Meeting and submit completed ITER form online

18 Months

- Publication of research (if applicable) should be initiated by this time and ongoing from this point
- Complete third Program Advisory Committee Meeting and submit completed ITER form online

2 Years

- Complete fourth Program Advisory Committee Meeting and submit completed ITER form online

2.5 Years

- Course work should be completed by this time
- Program Advisory Committee and trainee should have agreement on a proposed schedule for degree completion and outline of thesis content.

3 Years

- Complete fifth Program Advisory Committee Meeting and submit completed ITER form online

3.5 Years

- Program Advisory Committee and Trainee should determine dates for submission and defense of thesis

4 Years

- Complete sixth Program Advisory Committee Meeting and submit completed ITER form online
- **Write and defend thesis. Complete degree requirements.**
- Complete Evaluation of Research Program form (FITER) and submit to CIP Office
- Contact CIP office to initiate preparation of "Attestation of Program Completion" to be reviewed by CIP Committee and forwarded to the Vice-Dean, PGME and RCPSC.

CHECKLIST FOR CIP COMPLETION

Use this list/worksheet to help keep track of your CIP activity.

To fulfill the educational requirements of the program, U of T CIP trainees must:

☐ Attend a minimum of *five CIP seminars*:
Names and dates of seminars I attended:

_____
_____
_____
_____
_____
_____
_____

☐ Organize and facilitate a minimum of *one CIP seminar*:
Name(s) and date(s) of seminars I organized:

_____
_____

☐ Attend each *annual CIP Symposium* (minimum of 2) while in active research phase (must notify CIP Director with reason for non-attendance):

Year 1 of CIP:_____
Year 2 of CIP:_____
Year 3 of CIP:_____
Year 4 of CIP:_____

☐ Complete the required 2 *PORCCH* Patient Engagement online course modules at www.porcch.ca:
Courses I completed: _____
_____

☐ For trainees who started CIP before 2011, submit to the CIP office the required *web ethics course* ("Tri-council policy statement: ethical conduct for research involving humans"(TCPS) http://tcps2core.ca/welcome, **OR** NIH web-based ethics course "Protection of Human Research Subjects: Computer-Based Training for Researchers" http://phrp.nihtraining.com/users/login.php), or complete the CIPCorEd unit on Research Ethics.

☐ Submit an *In-Training Evaluation Report (ITER)* every six months on POWER for the first two years, then once a year starting in the third year of a PhD. Postdoctoral Fellows and Master's students continue to fill out ITERs every six months until completion of research project.
N.B. For those in graduate units requiring meetings with thesis committees every six months, CIP ITERs should be filled out and submitted to CIP for each of these meetings.

Dates of my PAC or thesis committee meetings (ITERs filled out):
Six months: _____
1 year: _____
1.5 years: _____
2 years: _____
2.5 years: _____
3 years: _____
3.5 years: _____
4 years: _____

- ☐ Successfully *defend a thesis* (or equivalent) and fulfill all other requirements of the graduate unit of choice, including coursework; submit proof of degree completion with updated CV and publications to CIP Office

- ☐ Complete and submit a *final Evaluation of Research Program (FITER)* at the end of research training

- ☐ Complete the research and clinical components of training in accordance with the guidelines and standards prescribed by the School of Graduate Studies at the University of Toronto and the Royal College of Physicians and Surgeons of Canada

- ☐ Receive PGME and RCPSC Certificates of Completion!

COMPLETION OF THE CIP

Successful completion of the Clinician Investigator Program includes completion of the appropriate postgraduate specialty/subspecialty **PLUS** completion of **all** research component requirements.

You will be asked to provide the following completion information to the Program Coordinator:

- Thesis defense date
- Final title of thesis
- Thesis defense committee members and their roles
- List of program advisory committee members
- Trainee submission of the Final Evaluation of Research Program (FITER) at the end of their research training
- Current CV incl. list of abstracts, conferences attended, awards received, and peer-reviewed publications
- The CIP Office will require notification by the graduate unit and/or research supervisor of completion of the graduate degree.
- Confirmation of home address.

After the CIP Committee reviews the trainee's file and approves the completion, the CIP Director will complete an "Attestation of Completion of the Research Component of CIP" which will be forwarded to the Royal College of Physicians and Surgeons via the Vice-Dean, Postgraduate Medical Education office.

What the CIP Committee will review (research component requirements):

- Completion of items on CIP COMPLETION "Checklist" (pages 13-14)
- Current CV incl. list of abstracts, conferences attended, awards received, and peer-reviewed publications
- Proof of successful examination and course completion (verification from graduate unit that degree was successfully obtained by trainee)

Completion of a graduate degree does not automatically ensure completion of the CIP research component. Your graduate degree program must be consistent with the standards and objectives of the Clinician Investigator Program, as determined by the CIP Committee.

Certificates:

Trainees who successfully complete the CIP will receive a certificate from PGME and, following completion of their postgraduate specialty, from the RCPSC.

POSTDOCTORAL FELLOWSHIP STREAM

The Clinician Investigator Program at the University of Toronto will be particularly attractive to applicants who have already completed a PhD degree (e.g. graduates of an MD/PhD program). The two-year full-time research requirement of the CIP allows the individual to incorporate a research "postdoctoral fellowship" experience into their postgraduate clinical training.

The Postdoctoral Fellow Stream provides a stimulating and mentoring environment to refine the skills and qualifications required for an independent research career. Participants will find this an ideal opportunity to launch an independent research project, accumulate publications and prepare for the application for independent research grant funding.

The individually designed research program will closely emulate the graduate stream program, including the design of a research program, monitoring of progress, and additional course work as required.

What the CIP Program Committee will review (research component requirements):

- Completion of all but the seventh item on the CIP COMPLETION "Checklist" (pages 13-14)
- Courses taken (and grades) – where applicable
- Evidence of at minimum one first-authored peer-reviewed publication relating to the research project – as equivalent to thesis defense
- List of abstracts, conferences attended, successful research awards, peer-reviewed publications
- Verification by research supervisor/committee that the objectives of the research training component have been met.

LEAVE OF ABSENCE OR WITHDRAWAL

CIP participants must inform the CIP office if s/he decides to take a leave of absence, and/or take maternity leave.

The case of any trainee who is not able to successfully complete the research component, or wishes to withdraw from the CIP, should be immediately brought to the attention of the CIP Director. Each case for voluntary or involuntary withdrawal will be individually reviewed by the CIP Director and CIP Committee and notification will be forwarded to the Vice-Dean of Postgraduate Medical Education and the Royal College of Physicians and Surgeons of Canada.

FUNDING SOURCES (Departmental)

While enrolled as graduate trainees, CIP participants will not be eligible to obtain clinical earnings. Funding for the research portion of the CIP is available from a wide variety of external and internal sources.

CIP participants should discuss funding alternatives with their Program Director, Graduate Coordinator, and Research Supervisor. Participants should also contact their graduate unit about award opportunities and the deadlines for these awards. Most graduate unit websites will provide information on awards such as the eligibility requirements and application deadlines.

Tuition Fees:
Like all other graduate trainees, CIP trainees must pay tuition fees to the School of Graduate Studies. For a fees schedule, contact your graduate unit, the School of Graduate Studies or visit the following website: **http://www.fees.utoronto.ca/**

Postgraduate Medical Education Registration Fee: CIP trainees must pay the annual PGME registration fee.

Departmental Funding Sources:

1. Department of Medicine, "Clinician-Scientist Training Program"

Research Administrator
Department of Medicine
Faculty of Medicine, University of Toronto
C. David Naylor Building
6 Queen's Park Crescent West, Room 321
Toronto, ON M5S 3H2
Phone: 416-978-4844
E-mail: dom.research@utoronto.ca

2. Department of Surgery, "Surgeon Scientist Program"

Val Cabral, Research Program Manager
Department of Surgery Research Office
Peter Gilgan Centre for Research and Learning
686 Bay St., 16th Floor, Room 9-702
Phone: (416) 813-2178
Fax: (416) 813-5252
e-mail: Val.Cabral@sickkids.ca

3. Department of Psychiatry, "Clinician Scientist Program"

Benjamin Goldstein, Director of the Clinician Scientist Program
Department of Psychiatry
250 College Street, 8th Floor
Toronto, Ontario M5T 1R8
Phone: (416) 979-6948
e-mail: benjamin.goldstein@sunnybrook.ca

4. Other Departments:

Candidates should discuss funding opportunities for research training with their Program Director and Supervisor.

Other Contacts:

a) Pediatrics:	Core Pediatrics trainees should contact Dr. Adelle Atkinson, Program Director, adelle.atkinson@sickkids.ca; Tel: 416-813-8627
b) Obstetrics & Gynaecology	Dr. Michele Farrugia, Residency Program Director pg.obgyn@utoronto.ca ; Tel: 416-978-8352
c) Anesthesia	Dr. Dwayne Rodrigues, Residency Program Director University of Toronto residency.anesthesia@utoronto.ca; Tel: 416-978-6362
d) Ophthalmology	Sandra Gauci, Education Coordinator educationdovs@utoronto.ca 416-978-6294
e) Radiation Oncology	Dr. Andrea Bezjak Princess Margaret Cancer Centre andrea.bezjak@rmp.uhn.ca; Tel: 416-946-2132
f) Diagnostic Radiology	Dr. Rachel Fleming University of Toronto rachel.fleming@utoronto.ca 416-946-0984

PROBLEMS? ADVICE?

The Clinician Investigator Program is carried out in conjunction with completion of postgraduate medical training, a graduate degree program, and, often, other training programs (such as the Surgical Scientist Program). The timing and completion of the many components can be complicated and confusing. It is important that participants inform their Program Director, research supervisor and the CIP office if difficulties arise, so that problems can be resolved quickly. We encourage all participants and applicants to contact the CIP Office with questions or comments with regard to any aspect of the CIP Program. The Graduate Coordinator of the participating graduate unit, Program Director, and research supervisor and Program Advisory or Thesis Committee are also available to help and guide participants.

The CIP Director, Dr. Nicola Jones, will meet with new trainees in the program within a few months of initial registration, an integral part of their orientation. Please feel free to contact the CIP Office and arrange an appointment with the Director if you would like to talk with her at any other time.

CIP trainees who come from other institutions should note that U of T Postgraduate Medical Education (PGME) offers resources that promote the well-being of its trainees and offers assistance to those encountering difficulties during training. Visit the Office of Resident Wellness website at:
https://pg.postmd.utoronto.ca/current-trainees/while-youre-training/access-wellness-resources/

Finally, all trainees are urged to visit the CIP website for additional details and check in regularly for important updates: http://cip.utoronto.ca/