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welcome

IOP is graduate program designed to appeal a broad range of students interested in cancer research. The program has two required courses (6 credits), which will provide an interdisciplinary perspective on oncology in a form that is accessible to students from diverse backgrounds. The goal of the IOP is to train the next generation of cancer research leaders.



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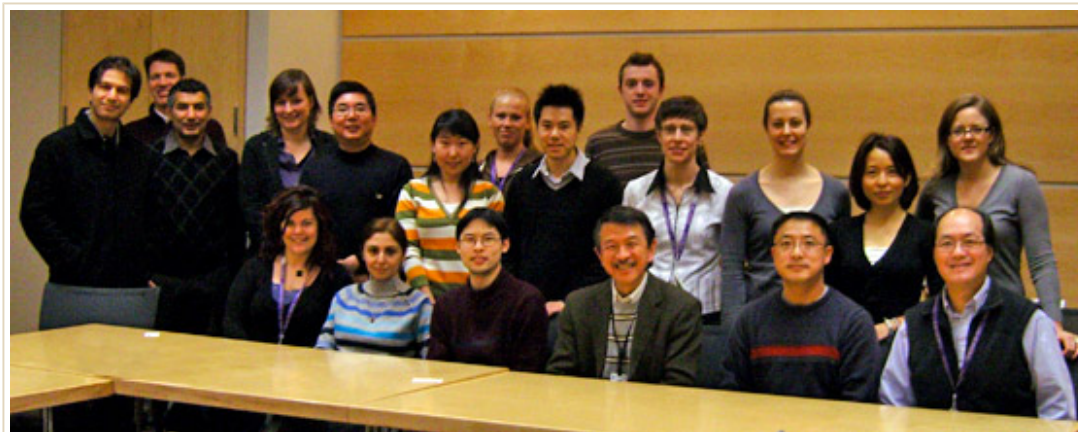
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Description of Program for Prospective Students

Studies leading to Master of Science and Doctor of Philosophy degrees are available through the Interdisciplinary Oncology Program in the College for Interdisciplinary Studies.

The Interdisciplinary Oncology Program offers advanced study and research in a variety of fields relating to oncology. Those fields include: molecular and cellular biology, genetics, biophysics, bioinformatics, pharmaceutical sciences, radiological sciences, immunology, molecular pathology, sociobehavioural studies, epidemiology and health economics.

The goal of the Program is to provide graduate students from diverse backgrounds with an education in a number of disciplines relating to oncology, and to provide opportunities for intensive training in specialized aspects of oncology through thesis research.







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Courses

The Interdisciplinary Oncology Program is designed to appeal to a broad range of students with varied backgrounds and interests. The program will have two required courses (6 credits), which will provide an interdisciplinary perspective on oncology in a form that is accessible to students from diverse backgrounds. Masters students and PhD students who do not hold a Masters degree must also take 12 credits of elective courses. The elective courses can provide intensive training in one or more subjects specific to the student's thesis research, and also give the student an opportunity to gain expertise in other disciplines that have potential for synergy with his/her primary specialization. The elective courses may include core graduate courses of the student's home department, thus integrating the academic expectations of the Interdisciplinary Oncology Program with the graduate program of the home department. The elective courses must be approved by the Supervisory Committee, which will include representation from the home department. Electives would be courses at the 500 level or above; however, up to 6 credits of electives at the 300 or 400 level would be permissible. Please note that students who already hold a Masters degree while not required to take electives in addition to the core courses, are encouraged to do so in order to adequately prepare for the interdisciplinary nature of the comprehensive exam.

Required Courses

ONCO 502 (3) *Concepts in Oncology*. This is a 3-credit (one-term) lecture course taught by IOP faculty emphasizing the biology and epidemiology of cancer, and theories behind prevention, diagnosis and treatment of different types of cancer. A major goal of the course is to integrate knowledge and research activities in the biology of cancer with all disciplines in oncology. For example, questions posed could include: How does one determine if a population has an increased incidence of a specific cancer due to genetic versus environmental versus lifestyle influences? How does genetic instability contribute to cancer initiation and progression? What are the advantages/difficulties of using gene therapy approaches to treat cancer? What drives the evolution of a cancer cell clone? How do cancer/host interactions limit and promote tumor expansion? What are the ethical issues involved in gathering genetic information for cancer control? Students will be evaluated by term essays and final examination essays.

ONCO 510 (3) *Seminars in Oncology*. In this seminar course, students will be required to present a seminar on their research (one 30 minute seminar per year) and to attend a series of weekly seminars given by students and post doctoral fellows engaged in various aspects of cancer research. Students are required to maintain continuous registration in ONCO 510 throughout their Masters or PhD and will be evaluated on their seminar presentation by the Program Director. Credit for this course will only be given at the end of the student's program of study.

Depending on the graduate program, students must enroll and maintain continuous registration in either of the following:

ONCO 549 *MSc thesis* - 12 credits (continuous registration required)

ONCO 649 *PhD thesis* - 0 credits (continuous registration required)

Elective Courses

The following is a list of potential elective courses for students in the Interdisciplinary Oncology Program. These courses are chosen for their particular relevance to oncology, however, electives may be chosen outside of this list. Please note that this list is not updated on a regular basis and some courses may not be offered each year. (Please consult the UBC course calendar for course descriptions).

BIOC 303 (6) *Molecular Biochemistry*

BIOC 503 (2) *Molecular Biochemistry*

BIOC 511 (3) *Biochemical Aspects of Cellular Regulation*

BIOL 300 (3) *Biometrics*

BIOL 334 (3) *Basic Genetics*

BIOL 335 (3) *Molecular Genetics*

BIOL 350 (6) *Cell Physiology*

BIOL 441 (3) *Animal Cell Biology*

BIOL 508 (6) *Genetics Seminar*

BIOL 530 (3) *The Biology of the Cell*

HCEP 506 (3) *The Design and Analysis of Clinical Trials*

HCEP 525 (3) *Cancer Epidemiology*

HUNU 407 (6) *Nutrition and Disease*

HUNU 503 (3) *Current Issues in Nutrition and Metabolism*

HUNU 505 (3) *Current Issues in Nutrition and Disease*

HUNU 507 (3) *Current Issues in Nutrition over the Life Span*

MEDG 419 (3) *Human Cytogenetics*

MEDG 420 (3) *Human Biochemical and Molecular Genetics*

MEDG 421 (3) *Genetics and Cell Biology of Cancer*

MEDG 505 (3) *Genome Analysis*

MEDG 520 (3) *Advanced Human Molecular Genetics*

MEDG 521 (3) *Molecular and Cell Biology of Cancer*

MEDG 525 (3) *Medical Population Genetics*

MEDG 530 (3) *Human Genetics*
MEDG 535 (3) *Genetics and Ethics*
MEDI 501 (3) *Molecular and Cellular Biology of Experimental Medicine*
MEDI 590 (3) *Molecular Regulation of Cell Growth and differentiation*
MICB 402 (3) *Advanced Immunology*
MICB 502 (3) *Advanced Immunogenetics*
PHAR 448 (4) *Environmental and Cellular Toxicology*
PHAR 480 (6) *Drugs: Chemistry, Pharmacology and Therapeutics IV*
PHAR 502 (4) *Advanced concepts in Pharmacokinetics*
PHIL 433 (3) *Bio@Medical Ethics*
PHYS 305 (3) *Introduction to Biophysics*
PHYS 404 (3) *Physics of Medical Imaging*
PHYS 405 (3) *Radiation Biophysics*
PHYS 437 (3) *Physics of Biocellular Structure and Machinery*
PHYS 534 (3) *Radiotherapy Physics I*
PHYS 535 (3) *Radiotherapy Physics II*
PHYS 543 (3) *Biomedical Optics*
PSYC 314 (3) *Health Psychology*
PSYC 535 (3) *Psychopathology of the Adult*
PSYC 536 (3) *Psychopathology of the Child*
PSYC 539 (3/6) *Health Psychology*
PSYC 560 (3) *Clinical Research Design*
ZOOL 505 (6) *Cell Biology Seminar*





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MSc Program:

In the first year, a student should take a minimum of 12 credits of courses. These courses will include the core courses (Oncology 502, 510) and electives. Please note that credit for Oncology 510 will only be given at the end of the student's program of study so cannot be counted as part of the minimum 12 credits required in the first year. The elective courses are decided by the supervisor and the student, based on the student's needs and thesis topic. The elective courses must be approved by the student's Supervisory Committee. Typically, all electives should be courses at the 500 level or above; however, having up to 6 credits of electives at the 300 or 400 level is permissible. As specified in the Faculty of Graduate Studies calendar entry, the minimum requirements are 30 credits of courses numbered 300 or above, including at least 24 credits of courses numbered 500 to 699. These 24 credits include 12 credits of course work, plus a 12 credit thesis (Oncology 549). It is the responsibility of the supervisor and the Supervisory Committee to ensure that the student takes the required number of credits in appropriate courses. The supervisor and committee should also be prepared to assist the student in gaining admission to elective courses which may be blocked to students outside the home department.

The Supervisory Committee should also be formed in the first year. The Committee consists of the student's research supervisor plus two other faculty members with appropriate expertise, one from the student's host department and one from another department. The composition of the Supervisory Committee must be approved by the Program Director. Before beginning the second year of a MSc, the Supervisory Committee will meet to assess the progress of the student and to approve the research project. Meetings of the Supervisory Committee must be held at least once per year and a formal report of the meeting must be submitted to the Program Director.

In the second year, the student is required to complete any remaining coursework, while focusing on his/her research project. The student is also required to present a seminar on the research project for the seminar course (Oncology 510). When both student and supervisor agree that the student has made sufficient progress in the thesis research, they will seek the approval of the Supervisory Committee to write

the thesis (12 credits). The student will be required to defend the thesis at a final oral examination. The Examination Committee should be composed of at least three faculty with at least one member from outside the Supervisory Committee.

IOP Transfer to PhD Program/Candidacy

For IOP students registered in the Master program wishing to transfer to a PhD program, the comprehensive exam needs to be taken within 24 months of registration.

The comprehensive exam is used as a "qualifying" exam for students transferring to a PhD program (see IOP Comprehensive Exam for guidelines). They will have completed their course requirements and will have been recommended to undertake the comprehensive exam by their research committee. The full cooperation of the supervisor, the student, and the student's research committee is required in order to adhere to this strict timeline.

MSc Thesis Guidelines:

The Thesis Defence for a Master's degree is a public presentation of the Candidate's thesis followed by questioning from the examiners. The Candidate's MSc Supervisory Committee has to determine if the thesis is ready for the defence. An "MSc Thesis Report" form should be completed and signed by the Research Supervisor and Committee Members and submitted to the Interdisciplinary Oncology office. Please see the Interdisciplinary Oncology secretary for this form. Candidates for the Thesis Defence must have completed all course work, examinations and any other requirements of the degree program. It is the Candidate's responsibility to arrange the date, time and location of the defence. Once this has been done, please inform the Interdisciplinary Oncology Office at least 3 weeks in advance.

The Examination Committee consists of: -The Chair, who is generally selected by the Director of the program. -A minimum of 3 Examiners, with at least 2 members from the Candidate's Supervisory Committee (normally including the Research Supervisor(s) and at least one member who is neither a Supervisor nor a Co-supervisor)

Quorum for the Oral Examination consists of:

- Chair of the Committee
- One External Examiner
- 2 Supervisory Committee Members

Procedures to be followed by the Chair at the Thesis Defence:

Announce that the meeting has been called for the public examination of [Candidate's name] for the Master's thesis.

Request the Candidate to present a synopsis of the thesis. The Candidate may speak from notes and use audio-visual equipment but must NOT read the synopsis. The presentation should be about 20 to 30

minutes in length, but no longer. It should not be interrupted by questions. The Chair is asked to enforce these rules. Ask each member of the Examination Committee, in turn, to question the Candidate. The Research Supervisor should be called upon last. The Chair should exercise discretion in managing the question period. Call for questions from the audience, if any. Call for further questioning by the Committee, and, as Chair, ask the Candidate to address and/or clarify any points that may not have been adequately covered in previous questioning (if necessary).

The Candidate and those not on the Examination Committee should leave the room. Call for a discussion. The Examination Committee is asked to make a recommendation with respect to the performance of the Candidate at the defence and of the thesis itself.





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PhD Program:

In the first year, a student entering PhD studies with a Master's degree should take the core courses (Oncology 502 and 510) plus any electives deemed useful by the Supervisor and approved by the Supervisory Committee. Given the interdisciplinary nature of the Program, it is expected that supervisors will require their students to take 3 or 4 courses to prepare them adequately for the comprehensive exam. If the student has a MSc and has already taken the core courses or equivalent courses, the course requirements may be exempted upon approval by the Program Director. However, the student must take the seminar course (Oncology 510).

Students entering PhD studies without a Master's degree will be required to take 18 credits of courses, which would include the same courses as those for MSc students, plus a thesis (Oncology 649). It is the responsibility of the supervisor and the Supervisory Committee to ensure that the student takes the required number of credits in appropriate courses.

The Supervisory Committee will also be formed in the first year. The Committee will consist of the student's research supervisor and three other faculty members in the Program with appropriate expertise. At least one faculty member in addition to the supervisor must be from the student's host department and at least one faculty member must be from another department. The composition of the Supervisory Committee must be approved by the Program Director. Meetings of the Committee must be held at least once per year. A formal report of the meeting must be submitted to the Program Director. Before beginning the second year, the Supervisory Committee will meet to assess the progress of the student and to approve the research project.

In the second year the student will focus on his/her research project and, once all coursework has been completed, take the qualifying comprehensive examination to be admitted to candidacy.

Admitted to Candidacy: Doctoral Programs

Excerpt from the Faculty of Graduate Studies website.

The basic requirements for a doctoral student to be admitted to Candidacy are:

1. all required course work has been successfully completed;
2. the comprehensive examination has been passed;
3. the research supervisor has certified that the thesis proposal has been approved.

Students are normally expected to complete their comprehensive examination within 24 months from the date of initial registration. A student who is not admitted to candidacy within 36 months from date of initial registration must withdraw from the program. Extension of this period may be permitted by the Dean of Graduate Studies in exceptional circumstances.

As soon as a student has satisfied all requirements, the Program Director must recommend to the Faculty of Graduate Studies that the student be admitted to candidacy. This status is then entered on the University's Student Information System (SIS).

Thesis Examination

All students must pass the final oral examination of their thesis as determined by the Faculty of Graduate Studies.

After completion of the comprehensive examination, the student will concentrate on his/her research for the thesis. The student must also give a seminar on the research project for the seminar course (Oncology 510).

When both student and supervisor agree that the student has made sufficient progress in the thesis research, they will seek the approval of the Supervisory Committee to write the thesis. The thesis must be approved by the Committee before it is submitted to the Faculty of Graduate Studies. The student will then proceed to defend the thesis in the final oral examination according to the guidelines of the Faculty of Graduate Studies.





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IOP Comprehensive Exam

UBC requires that a comprehensive exam be taken before moving to candidacy for PhD. The purpose of the comprehensive exam is to assess whether the student has developed strong thinking abilities, required knowledge of the discipline, required academic background for the research to follow and ability to communicate knowledge of the discipline. Below are the guidelines for the exam. They apply to registered PhD students or to students transferring from a Masters to the PhD program. In either case, the comprehensive exam should be taken within 24 months of initial registration. It is held after the completion of required course work.

- The IOP comprehensive exam will be based on testing the student's ability to integrate knowledge from course work taken (e.g. Onco 502, Onco 510, and Onco 548) or their equivalent.
- It will also be based on the student's ability to defend his/her proposed research. This could include background knowledge, ability to think through potential pitfalls of the proposed approach, consideration of alternative approaches etc.
- The student will be asked to provide up to a 5 page document giving background on their proposed research, goal and rationale of the project, preliminary results, and discussion on the potential impact of their research. They will be asked to provide a 15 min presentation of their proposal before answering questions.
- The entire exam should normally not take more than 2 hours.
- The examination committee will be made up of a chair person (normally the Director of IOP), the supervisor, a member of the student's research committee, and another IOP faculty member not on the student's research committee. Additional members may be added at the discretion of the chair person.
- It is the student's responsibility to arrange the date, time and location of the examination. Generally the schedule should be set four to six weeks prior to the exam.

Students not passing the comprehensive exam in the first attempt may be allowed to repeat the exam (one time only) based on the recommendation of the examination committee. The re-examination must be taken as soon as possible, but normally

not more than 3 months after the first exam. Students in the reclassification stage will be allowed to complete their MSc degree if they fail to pass the comprehensive exam after two attempts. Students already registered in a Ph.D. program will be asked to leave the program if they fail to pass the comprehensive exam after two attempts.





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Admission Requirements

Students who apply for entrance into the Interdisciplinary Oncology Program must have completed a BA, BSc, MA, MSc, MD or hold an equivalent degree from a recognized institution.

To be accepted into the Program, prospective students must satisfy both the general requirements of the [Faculty of Graduate Studies](#) of UBC and the specific requirements of the Interdisciplinary Oncology Program Advisory Committee. Those requirements generally include a first class standing in 3rd and 4th year courses, a good command of the English language (see TOEFL score requirements) and an academic background which has adequately prepared the student for required oncology courses. If you'd like to [apply online](#) please follow the following UBC link [Apply on Line](#)

Finally, to gain full admission to the Program, students must secure a written commitment from a Program faculty member to become the student's research supervisor. This commitment must include both the provision of an appropriate training program and a student stipend in accordance with Canadian Institutes of Health Research guidelines. **It is strongly recommended that students contact prospective supervisors prior to submitting an on-line application to the Faculty of Graduate Studies.** If a student wishes to rotate through two or more laboratories before deciding on a supervisor, this may be arranged through the Director of the Program. A list of research supervisors is given at the end of the web site. Personal pages indicating research interests and contact information for many supervisors can be found in the BC Cancer Research Centre web site as well as the University of British Columbia web site. Please note that this list is not updated on a regular basis and may not include all researchers who are eligible to supervise Oncology Program students. If you have found a supervisor who is not on the list, please e-mail the graduate secretary to find out if that individual is eligible to supervise for the Oncology Program.

When considering a student's application,

- o the Faculty of Graduate Studies ensures the student meets the minimum academic requirements of the University,
- o the Advisory Committee ensures that the student has the appropriate background for the graduate program and

- o the research supervisor ensures that the student's research interests and background match well with those of his/her lab.

If these three levels of requirements are not met, the student cannot be admitted into the program.

Information regarding Faculty of Graduate Studies admission requirements, financial aid, housing, etc. can be found on the [Grad Studies](#) web site. If you require additional information regarding the Interdisciplinary Oncology Program please contact The Graduate Secretary, Interdisciplinary Oncology Program, BC Cancer Research Centre, 675 West 10th Avenue, Vancouver, BC V5Z 1L3 Tel: 604-675-8040; FAX: 604-675-8049; Email: rsmith@bccrc.ca





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Course Requirements

All students entering the Program will enroll in two core courses, Oncology 502 and Oncology 510. Students will also take electives chosen from courses offered by other programs at UBC. The electives to be chosen will be determined by the student in consultation with his/her research supervisor and should be approved by the student's Supervisory Committee. The combination of core and elective courses is designed to provide students with a broad, interdisciplinary perspective on oncology research, while allowing intensive academic training in the student's chosen field of specialization.

A minimum of 18 credits of course work will be required for a MSc degree, plus a 12 credit thesis (Oncology 549) for a total of 30 credits.

Students entering PhD studies without a Master's degree will be required to take 18 credits of courses (the same as MSc students) plus a thesis (Oncology 649 - 0 credits).

Students entering PhD studies with a Master's degree will take the two core courses as well as any other courses recommended by their Supervisory Committee, plus a thesis (Oncology 649 - 0 credits). Given the interdisciplinary nature of the Program, it is expected that supervisors will require their students to take 3 or 4 courses to prepare them adequately for the comprehensive exam.





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Transfer from Master's to Doctoral Programs without Completing Master's Requirements

After completing one year, Master's students may transfer to the Doctoral program (fast-track) provided they have completed the following course requirements:

- o 12 credits of first class average
- o minimum 9 credits at the 500 level
- o minimum 9 credits of first class standing
- o clear evidence of research ability or potential

A transfer directly into the Doctoral program is permitted after one year, but not after two years, in the Master's program. If a student transfers from a Master's program to a Doctoral program without completing the Master's degree, the commencement of the Doctoral program will be from the date of first registration in the Master's program.





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International Applicant Requirements

Visa Requirements for International Applicants

Persons who are not Canadian citizens or Landed Immigrants require a Study Permit (Student Authorization, Visa) in order to enter Canada to study. This is obtained from a Canadian Consular or Immigration Office. Please check the Citizenship and Immigration Canada web site to find out exactly what you need to enter Canada to study. Once you have received the official UBC letter of acceptance from the Dean of the Faculty of Graduate Studies, apply to the nearest Canadian Immigration Processing Centre or Embassy/High Commission/Consulate as soon as possible as it may take eight to twelve weeks for processing a Study Permit request; for students from the People's Republic of China it may take three to six months. To apply for your Student Permit you will require:

- UBC letter of acceptance
- A valid passport
- Evidence of adequate funds to support yourself and any dependents that may accompany you to Canada
- A completed Application for a Student Authorization form
- Other documentation as outlined in the Application for a Student Authorization form. You may obtain this form from a Canadian Visa Office

If your application for a Study Permit is approved, your UBC letter of acceptance will be returned to you. You should retain it for presentation to the Immigration Officer at the Canadian point of entry. For additional information on Student Authorization application forms, procedures, fees, etc. please refer to the Canada Immigration home page or contact your nearest Canadian Immigration Processing Centre or Embassy-High Commission-Consulate.

TOEFL (Test of English as a Foreign Language) Requirements for International Applicants:

After receiving an "offer of admission" from the Faculty of Graduate Studies, international students will need to obtain a **Study Permit** in order to enter Canada. Accepted students should apply for their study permit early as the application process can take anywhere from one day to four months. Most Canadian Consulates publish their processing timelines on their web sites. To apply for a Study Permit, you will need the following:

- Offer of admission from UBC Faculty of Graduate Studies
- Valid passport
- Evidence of adequate financial

Students whose degrees are from Australia, Botswana, Canada, Ireland, Kenya, New Zealand, South Africa, United Kingdom, United States, or the English speaking countries of the West Indies do not need to take the TOEFL test. All other applicants must take the test. TOEFL scores must be sent directly to UBC from the **Educational Testing Centre** (photocopies are not acceptable). When taking the TOEFL test, give the UBC institution code as 0965, and state the reason for taking the test as "to enter a college or university as a graduate student". The Interdisciplinary Oncology Program TOEFL minimum component requirements are: Reading 22; Listening 22; Writing 24; Speaking 22; Overall; 100. Please note that in order for the score to be valid the test must have been taken within the last two years.

If the TOEFL exam is not available, **IELTS** or **MELAB** scores may be accepted. The minimum IELTS score should be 7.0. The minimum MELAB score should be 84.

GRE (Graduate Record Examination) Requirements for International Students

A **GRE** is only necessary if a clear assessment of your foreign university transcripts is not possible. Please contact the graduate secretary if you are concerned about the assessment of your transcripts.





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Deadlines

Program Start Date	Domestic Students	International Students
September 2009	March 14, 2009	February 15, 2009
January 2010	August 14, 2009	July 10, 2009

A UBC Faculty of Graduate Studies on-line application must be completed and all supporting application materials must be received in the Graduate Program office prior to the deadline dates shown above in order to be considered for admission into the program. Please send all supporting documents to: The Graduate Secretary Interdisciplinary Oncology Program BC Cancer Research Centre 675 West 10th Avenue Vancouver, BC V5Z 1L3 CANADA

Supporting documents required for a complete application include:

- Two official transcripts from each post secondary institution you have attended, in sealed envelopes. These should be sent directly from the student's university to the Interdisciplinary Oncology Program office. If the university will not mail transcripts directly to our office, then transcripts should be in sealed envelopes and endorsed by the Registrar of the university. Transcripts in languages other than English or French must come with official translations.
- Three letters of reference, in sealed envelopes. These should be sent directly to the Interdisciplinary Oncology Program office by the referee or, if necessary, can be included in the applicant's supporting document package but must be sealed and have the referee's signature written across the seal.
- Confirmation of acceptance from a Research Supervisor. **No applicant will be admitted into the program without a commitment from a Research Supervisor.** The supervisor should contact the Interdisciplinary Oncology Program Director, Dr. Victor Ling, by e-mail (vling@bccrc.ca) in order to confirm his/her commitment to the applicant, as well as confirming the student stipend.





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DR VICTOR LING

Dr. Ling is the Director of the Interdisciplinary Oncology Program. He is an authority on multi-drug resistance in cancer, and is well-known for his discovery of P-glycoprotein, the first molecule identified to be responsible for drug resistance. Most recently, Dr. Ling was the Vice President of Discovery Research at the BC Cancer Agency and his current role is Scientific Director at the Terry Fox Research Institute.

SUPERVISOR	LOCATION	Research Interests	EMAIL
Bajdik, Chris	Health Care and Epidemiology		click here
Bally, Marcel	Pathology and Lab Medicine		click here
Benard, Francois	Medicine		click here
Bortorff, Joan	Nursing		click here
Brooks-Wilson, Angela	Medical Genetics		click here
Burgess, Michael	Applied Ethics		click here
Coldman, Andrew	Health Care and Epidemiology		click here
Cox, Michael	Surgery		click here
Cox, Sue	Applied Ethics		click here
Davison, Joyce	Surgery		click here
Durand, Ralph	Pathology and Lab Medicine		click here
Eaves, Connie	Medical Genetics		click here
Garnis, Cathie	Surgery		click here

Gascoyne, Randy	Pathology	click here
Gelmon, Karen	Medical Oncology	click here
Gleave, Martin	Surgery	click here
Goldenberg, Larry	Surgery	click here
Gotay, Carolyn	Psychology	click here
Heiter, Phil	Medical Genetics	click here
Helgason, Cheryl	Surgery	click here
Hogge, Donna	Medicine/Hematology	click here
Humphries, Keith	Medicine/Hematology	click here
Jia, Willaim	Surgery	click here
Jones, Steven	Medical Genetics	click here
Karsan, Aly	Pathology and Lab Medicine	click here
Kay, Robert	Medical Genetics	click here
Kitts, David	Agricultural Sciences	click here
Knowling, Meg	Oncology/Hematology	click here
Lam, Stephen	Respiratory Medicine	click here
Lam, Wan	Pathology and Lab Medicine	click here
Lansdorp, Peter	Medicine/Hematology	click here
Lee, Tim	Health Care and Epidemiology	click here
Ling, Victor	Pathology and Lab Medicine	click here
Lovato, Chris	Health Care and Epidemiology	click here
Mager, Dixie	Medical Genetics	click here
Marra, Marco	Medical Genetics	click here
McDonald, Michael	Applied Ethics	click here
McKenzie, Don	Family Practice	click here
McNagny, Kelly	Medical Genetics	click here
Minchinton, Andrew	Pathology and Lab Medicine	click here
Moerman, Donald	Director, C.elegans Knockout Facility	click here
Nielson, Torsten	Pathology & Lab Medicine	click here
Olive, Peggy	Pathology and Lab Medicine	click here
Ong, Christopher	Medicine	click here
Peacock, Stuart	Health Care and Epidemiology	click here
Rennie, Paul	Pathology and Lab Medicine	click here
Rogers, Paul	Oncology/Hematology	click here
Rosin, Miriam	Pathology	click here
Roskelley, Cal	Anatomy	click here
Sadar, Marianne	Pathology	click here
Shah, Amil	Medical Oncology	click here
Smith, Clayton	Medicine	click here

Sorenson, Poul	Pathology and Lab Medicine	click here
Tai, Isabella	Medicine	click here
Takei, Fumio	Pathology and Lab Medicine	click here
Thorne, Sally	Nursing	click here
Wang, Yuzhuo	Surgery	click here
Wasan, Kishor	Pharmaceutical Sciences	click here
Weng, Andrew	Pathology and Lab Medicine	click here
Xu, Zhaoming	Agricultural Sciences	click here
Zeng, Haishan	Pathology and Lab Medicine	click here





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Frequently Asked Questions

What are the basic requirements for entrance into the program?

Students who apply for entrance into the Interdisciplinary Oncology Program must have completed a BA, BSc, MA, MSc, MD or hold an equivalent degree from a recognized institution. You must satisfy the requirements required by the Faculty of Graduate Studies at the University of British Columbia <http://www.grad.ubc.ca/apply/how/index.asp> and must have a good command of the English language.

How do I Gain Admission into the Program?

Students must secure a written commitment from a Program Faculty member to become the students research supervisor. This commitment must include both the provision of an appropriate training program and a student stipend in accordance with Canadian Institutes of Health Research guidelines. *It is strongly recommended that students contact prospective supervisors prior to submitting an online application.*

Where Can I Find a Research Supervisor?

A list of Research Supervisors is provided on the first page of the website under the topic Research Supervisors. If you have found a supervisor who is not on the list, please e-mail the graduate secretary to find out if that individual is eligible to supervise for the Oncology Program.

How do I Know if I Need to Take an English Test?

Students whose degrees are from Australia, Botswana, Canada, Ireland, Kenya, New Zealand, South Africa, United Kingdom, United States, or the English speaking countries of the West Indies do not need to take the TOEFL test. *All other applicants must take the test.* The Interdisciplinary Oncology Program TOEFL minimum component requirements are: Reading 22; Listening 22; Writing 24; Speaking 22; Overall; 100. Please note that in order for the score to be valid the test must have been taken within the last two years.

Where do I Send my Transcripts and Letters of Reference?

Please forward them to: Rebecca Smith Interdisciplinary Oncology Program BC Cancer Research Centre 675 West 10th Avenue Vancouver, BC V5Z 1L3

Where I Can I Find More Information about Faculty of Graduate Studies Admission Requirements?

Information regarding Faculty of Graduate Studies admission requirements, financial aid, housing, etc. can be found on the Grad Studies UBC website <http://www.grad.ubc.ca/apply/how/index.asp>





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Information regarding Faculty of Graduate Studies admission requirements, financial aid, housing, etc. can be found on the [Grad Studies](#) web site.

If you require additional information regarding the Interdisciplinary Oncology Program please contact:

**The Graduate Administrator,
Interdisciplinary Oncology Program,
BC Cancer Research Centre**
675 West 10th Avenue, Vancouver
BC V5Z 1L3

Tel: 604-675-8040

FAX: 604-675-8049

Email: rsmith@bccrc.ca

