



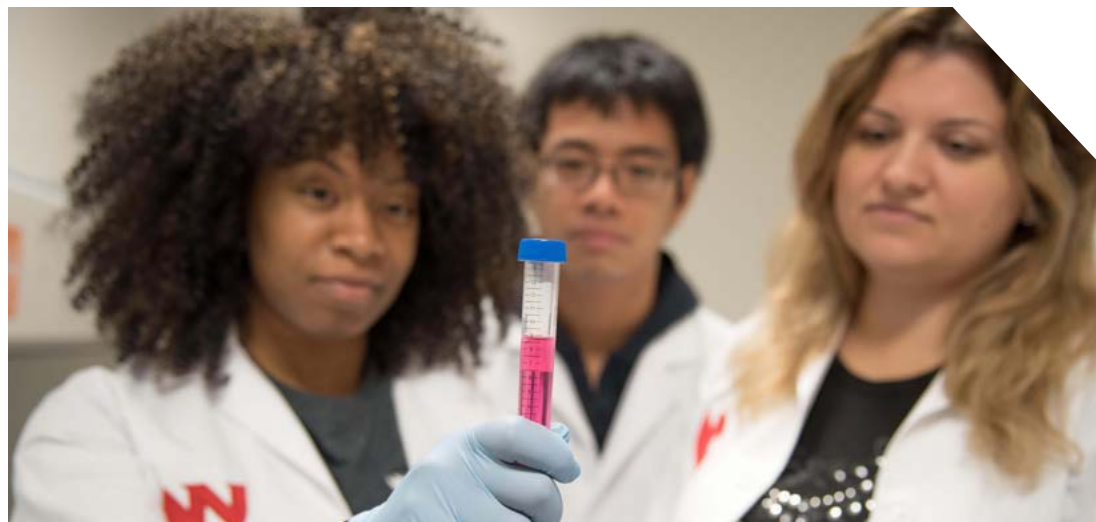
University of Nebraska
Medical Center™

BREAKTHROUGHS FOR LIFE.®

Interdisciplinary Graduate Program in Biomedical Sciences (IGPBS)

CANCER RESEARCH DOCTORAL PROGRAM

Eppley Institute for Research in Cancer and Allied Diseases





CANCER RESEARCH DOCTORAL PROGRAM

The Cancer Research Doctoral Program is offered through the Eppley Institute at the University of Nebraska Medical Center and is a program within the Interdisciplinary Graduate Program in Biomedical Sciences (IGPBS). Our faculty members are committed to training future scientists to approach cancer research knowledgeably and creatively and to enter careers in which they can make significant contributions. Our program provides students with:

- An in-depth background in the areas of biomedical science necessary to study and understand the conversion of normal cells to cancer cells and to design methods of diagnosis and treatment.
- The ability to apply this information to plan and conduct innovative research on the causes, prevention, diagnosis, and treatment of cancer, and to impart this information to others.

There are two ways that you can join our program. The first is to apply directly to the Cancer Research Doctoral Program as a single-program applicant. Single program applicants rotate in Cancer Research Doctoral Program faculty's laboratories and can begin their individually tailored curriculum right away. The second way is to apply as a multi-program applicant. Multi-program applicants apply to two IGPBS programs and must be accepted by at least one program. These students can rotate within any IGPBS laboratory (after meeting with and gaining approval of the faculty member that runs the laboratory) and will complete the IGPBS general curriculum. After the completion of three laboratory rotations, the student will select a single program and begin the requirements for that program. Once a multi-program student joins our program, their requirements are the same as a single-program student.

We are excited to begin working with you. Please take the time to familiarize yourself with all our program has to offer. The Cancer Research Doctoral Program at UNMC is waiting to help you unlock your future.



APPLICATION REQUIREMENTS

- A bachelor's degree in chemistry, biology, bioinformatics, or other science field.
- Transcript(s) documenting undergraduate and graduate (if applicable) performance. Course work in organic chemistry, biology and either statistics or calculus. Biochemistry is also recommended but not required.
- Three letters of recommendation from scientists or other individuals who can assess your talents and training. Letters that attest to your ability to successfully complete a research-oriented PhD are preferred.
- A statement of personal goals and career objectives.
- GRE scores will not be required as part of the initial application. However, if you choose to submit GRE scores, the scores will be considered during application review. Depending on the scores they could either enhance or diminish the chance of acceptance.

CURRICULUM

- Coursework in biochemistry, molecular and cell biology, and cell signaling (for all multi-program students; for single-program students depends on educational background and interests)
- Principles & Methodologies in Cancer Research
- Intensive Training in Translational Cancer Research
- Special Topics: Experimental Design
- Seminar with spring Journal Club
- Short Course in Cancer Biology (an annual summer course at UNMC on a topic chosen by the students)
- Tools & Algorithms in Bioinformatics (an introductory bioinformatics course)
- Biostatistics I
- Research credits
- Many optional courses are available





\$27,750 stipend / year*

with all fees (including health insurance) and tuition paid, single-program applicants receive reimbursement of moving expenses

*stipend effective July 1, 2021



cutting-edge

laboratories located in the Fred & Pamela Buffett Cancer Center



5 1/3 years

average time to graduation



employed graduates

are in positions as faculty members, biomedical scientists and more



scholarships available

for qualified students in addition to annual stipend



program options

students can participate in the Business for Bioscientists Certificate Program and explore teaching opportunities



\$1,000 in travel funds

given to Cancer Research students that join an Eppley laboratory



flexible enrollment

students are able to start in fall, spring or summer semester



NIH T32 Training Grant

awarded to Eppley Institute for nearly 30 years in recognition of outstanding cancer research education





CHECKLIST

High School

- Take as many math and biomedicine-related science courses as you can.

Undergraduate

- Complete prerequisite courses.
- Stay in touch with the Cancer Research Doctoral Program Coordinator.
- Gain research experience on your campus or through the UNMC Summer Undergraduate Research Program. For more information visit: unmc.edu/student-services/rse/enrichment/undergraduate-enrichment/surp
- Begin considering from whom you will request letters of recommendations.
- Verify all application deadlines the summer before your senior year.

Applying

- Determine if you will apply to the Cancer Research Doctoral Program as a single-program applicant (commit directly to the Cancer Research Doctoral Program and complete only the Cancer Research Doctoral Program Curriculum) or as a multi-program Applicant. Multi-program means that you have the option to perform research rotations in any laboratory affiliated with the IGPBS program. Multi-program students must complete several general courses. In a multi-program application, you can indicate that Cancer Research is one of your doctoral programs of interest.
- Identify individuals from whom you will request three positive letters of recommendation. It is preferable if at least one of these letters is from an individual that can verify your ability as a graduate level scientist.
- Have all of your official college transcripts sent directly from the school to UNMC's transcript processing center in Watertown, MA, see unmc.edu/gradstudies/admissions/steps-to-admission/index.html#exemption for more details.
- Submit your application as soon as you have requested the letters and had your transcripts sent. You should not wait until the transcripts and letters arrive.
- Interview and admission decisions will be sent by email as they are finalized.
- International Applicants
 - Request a course-by-course evaluation of your official transcript(s) by an evaluation service. World Education Services (WES) and Educational Credential Evaluators, Inc (ECE) are UNMC's preferred evaluation companies.
 - Submit TOEFL or IELTS scores that are less than two years old for students who have not been studying at a university inside the U.S for at least one academic year or attending a university in a country where the only official language is English, such as U.K., Australia, or Canada (excluding Quebec). ETS Institution Code is 6896.