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*The Larry and Diana Lulofs Memorial **Kidney Cancer** Research Internship*



Larry and Diana Lulofs

Internship Overview

*The Larry and Diana Lulofs Memorial Kidney Cancer Research Internship is a paid research internship in memory of Larry Lulofs, who died of kidney cancer in 2011. Larry was a Stanford alumnus (class of 1971), as well as a successful attorney, and lifelong intellectual and community servant. In his honor, *The Larry Lulofs Memorial Kidney Cancer Research Internship* was created to provide an opportunity for a Stanford undergraduate interested in pursuing a career in biomedical research or medicine to receive 6 months of paid research and medical shadowing, in order to improve treatments for kidney cancer, and facilitate the intern achieving his or her career goals. Larry's wife, Diana, was one of the major benefactors for the internship program, and was instrumental to the program's creation. Unfortunately, Diana lost her own battle with lung cancer in February 2017. Following her death, the name of the internship was changed to the *Larry and Diana Lulofs Memorial Kidney Cancer Research Internship*, in honor of these two remarkable individuals. This internship is intended to inspire future physicians and scientists to pursue an interest in kidney cancer that will lead to improved treatments, while also providing invaluable experience interacting with physicians and patients, working in a hospital environment, and conducting novel translational research experiments in a laboratory.*

A candidate who is selected to participate in the internship will work with and be mentored by members of the Kidney Cancer Research Program at Stanford University Medical Center for six months in a rotation format, in order to facilitate him

or her gaining a comprehensive understanding of kidney cancer. During the rotations, the candidate will shadow urologists in both the urology clinic as well as the operating room, in order to learn about the surgical management of kidney cancer, and to connect with patients undergoing surgery for localized disease. The candidate will also spend time in the medical oncology clinic with genitourinary oncologists to learn about the treatment and management of metastatic kidney cancer, and to better understand and appreciate both the medical and humanistic challenges faced by kidney cancer patients and their families. Once the candidate has completed his or her clinical rotations, he or she will then work on a translational research project for 2-3 months with a laboratory studying kidney cancer, in order to contribute to improving treatments for the disease. During both the clinical and laboratory rotations, the candidate will be mentored and instructed by internship Program Director Thomas Metzner, or an individual appointed by one of the program's supporting faculty members, on good clinical research practice, kidney cancer disease process, hospital etiquette, research design and development, and guidelines for interacting with patients, physicians, and other medical staff. This is a "one-on-one" internship, meaning that only one candidate will participate in the internship at a time. Thus, mentorship will be emphasized throughout the candidate's participation in the program. The program also places an emphasis on granting the internship opportunity to students who are not only worthy candidates academically, but who also come from disadvantaged backgrounds that may prevent them from otherwise gaining the experiences that the internship program facilitates.

Expectations of a Chosen Candidate

A candidate chosen to participate in the internship will be expected to work in the various aspects of the internship between 12 and 20 hours per week. Before the candidate begins his or her first rotation, the candidate's schedule will be assessed and his or her time spent on the internship will be structured around the candidate's academic class schedule. The candidate will be paid twice a month, and will receive \$500 per month (\$3,000 for the entire program). Should a candidate vacate or be dismissed from the internship before the six months is up, the candidate will only be paid for the time he or she has already worked in the internship, and will forfeit the remainder of the \$3,000.

The candidate will be expected to put forth exemplary effort and demonstrate enthusiasm in participating in the program. The internship is expected to make a candidate THINK and WORK. The ideal candidate is one who possesses a strong work ethic, the ability to empathize and connect with cancer patients and their families, and a passion for cancer science and medicine. It is expected that at the conclusion of the candidate's internship, the candidate will have a comprehensive understanding of kidney cancer disease process, treatment, outcomes, and research, as well as an understanding of how to conduct oneself in a medical environment, and a basic understanding of a biomedical research enterprise. Upon completion of the program, a candidate will be required to give a brief presentation in front of members of the Kidney Cancer Research Program that summarizes his or her experience in the program, what he or she learned, and any research that he or she took part in or projects that were worked on in the lab. A successful candidate will have an abundance of experiences to write about on his or her medical school or graduate school applications, as well as access to letters of recommendation from members of the Kidney Cancer Research Program. A candidate may also be included on a list of authors for publications or presentations if his or her contribution is deemed to be substantial enough. Essentially, a candidate will get out of the program what he or she puts into the program. However, failure to meet the expectations of the Program Director or members of the Kidney Cancer Research

Program, as well as a failure to conduct oneself in a manner that upholds the standards and mission of Stanford Hospital and Clinics and The Stanford University School of Medicine will be grounds for dismissal from the program.

Applicant Requirements

In order to be considered and chosen for *The Larry and Diana Lulofs Memorial Kidney Cancer Research Internship*, applicants must meet the following criteria:

- Be a current undergraduate student of Stanford University.
- Have successfully completed coursework relevant to the internship (chemistry, physics, and upper division biology courses), and be able to demonstrate the completion of this coursework on either an official or unofficial transcript (a PDF of a degree audit or document generated by the University that is not necessarily an official transcript will suffice). Applicants who are concurrently enrolled in these classes will still be considered, but they should have completed at least some of the required coursework before the start of the internship.
- Be in good standing with Stanford University. Students who are currently on academic probation or who have major disciplinary actions against them from The University will not be considered or chosen.
- Demonstrate good citizenship within the Stanford community.
- Possess an interest not just in science and medicine, but in cancer science and medicine. Applicants should be passionate and enthusiastic about learning about cancer, studying cancer, contributing to improving treatments for cancer, and working with cancer patients and their families. Applicants who demonstrate a strong interest in kidney cancer, or who have a personal experience with kidney cancer, and meet the other requirements of the program will be given preference.
- Of sound body, mind, and spirit, such that applicants can physically work in a laboratory, clinic, and operating room safely, and without incurring physical, psychological, or emotional trauma upon themselves or others.
- Agree to take part in an interview with the Program Director, or someone appointed to conduct the interview.
- Be willing to undergo a health-screening and any vaccinations deemed necessary by Stanford Hospital and Clinics for any and all personnel working in the hospital.