

## **The Burns-Waugh Research Fellowship**

The UNC School of Medicine has a long and distinguished history of providing educational enrichment programs for medical students. These programs are designed to expand the student view of medicine outside of the general curriculum and enhance the medical student experience. The goal of the Burns-Waugh Research Fellowship, funded by Fighting Cancer Below the Belt, is to develop physician-scientists beginning early in medical education. This development requires more than just research experience. Clinical exposure and mentorship are critical for the medical student to fully explore the dynamic role, responsibilities, and lifestyle of the physician-scientist. To this aim, Below the Belt and Dr. Vickie Bae-Jump, MD, PhD, UNC Division of Gynecologic-Oncology, have teamed up to create a summer research fellowship that combines scientific exploration, exposure to clinical and surgical oncology, and mentorship in the summer between the first and second year of medical school.

Below the Belt will provide a \$3000 fellowship to an outstanding MS1 student to work in the laboratory with Dr. Bae-Jump for the summer. This stipend is an award to cover living expenses for the summer. The Burns-Waugh Research Fellow will be exposed to a wide range of cellular and molecular techniques, including working with established cancer cell lines, genetically engineered mouse ovarian and endometrial cancer mouse models and human tumor specimens. Although research is a vital component of the life of a physician-scientist, this is equally balanced with the compassionate care of patients. Oncology clinic and operating room experience will give the fellow an understanding of the medical and surgical treatments, as well as the importance of the patient perspective in fighting gynecologic cancers. The fellow will also attend several lectures and lunch talks given by UNC faculty about academic medicine, turn in a written summary of their work, and prepare a poster presentation. Academic elective credit is available if all requirements are met. No research proposal or experience is required though a willingness to learn is a must and an interest in gynecologic malignancies is a plus.

### **Eligibility Requirements**

Students must be actively enrolled in medical school during the time of this fellowship and have completed their MS1 year. Academic credit (6 hours) must be approved and is not granted automatically. All applying students must be in good academic standing and be prepared to work 40 hr/week for a minimum of 8 weeks over the summer. The Fellow must attend a course in ethics and oral presentation skills and bi-monthly research luncheons with UNC faculty if these are offered during the summer. The Fellow will submit an abstract and summary of their work and are expected to participate in the John B. Graham Student Research Society's Student Research Day in the January following their research summer. Below the Belt may also ask for assistance from the Fellow in supporting the mission of our foundation.

### **Protection of the Rights of Human Subjects**

During the fellowship experience students may participate in direct patient care and/or engage in other types of learning or research which includes confidential patient information. Whenever obtaining information that is not directly related to a patient's care, respect for the rights and interests of others obliges you to inform those people as to why you are collecting the data. It is your duty to appropriately protect the privacy and confidentiality of those from whom you are gathering information.

## **Application Requirements**

All parts of the application must be submitted together. For applications, submit a packet that includes the Application (below) for the Burns-Waugh Research Fellowship as a cover document and:

1. An essay that answers the following question (no more than 1 page, 12pt font):
  - a) Why did you decide to pursue this fellowship and what do you hope to gain from this experience in terms of your short and long-term goals?
2. A letter of support from a UNC faculty member.
3. A copy of your current CV.

The student's signature on the fellowship application authorizes the selection committee to query the Office of Student Affairs regarding the student's academic standing. To ensure that this experience does not jeopardize a student's ability to successfully complete medical school course work, students must be in good academic standing. When accepting this fellowship, students who are receiving academic credit must complete an evaluation of the experience as well as all eligibility requirements.

## **About Below the Belt**

Below the Belt is dedicated to raising funds and awareness to improve prevention, diagnosis, and treatment of the gynecologic cancers that affect 80,000 new women each year. Below the Belt was founded in 2010 after two prominent Chapel Hill women and life-long friends, Mary Jane Burns and Stella Waugh, were diagnosed at UNC with ovarian and endometrial cancer respectively. There is a devoted, talented, and driven group of health care professionals and researchers UNC who are fighting on the front line of these diseases and need all of our support. By partnering with this accomplished research team, we are confident we can help combat these diseases by raising funding for scientific research, promoting awareness, and raising the spirits of all of those who are affected year after year. Go to [www.btbnc.com](http://www.btbnc.com) for more information, to donate, and to volunteer.

## **About Dr. Bae-Jump**

Dr. Victoria Bae-Jump is a gynecologic oncologist and a translational cancer researcher at the Lineberger Comprehensive Cancer Center (LCCC). Her research and laboratory focuses on understanding the interactions between cell signaling pathways implicated in ovarian and endometrial cancer pathogenesis as a means to target therapy for this disease, using cell culture, animal models and translational clinical trials. She is also interested in the impact obesity has on ovarian and endometrial cancer development and progression which may invariably dictate different risk reduction strategies and treatment options for this particularly high-risk patient population. In this pursuit, she has investigated many novel targeted therapies for the treatment of endometrial cancer, including mTOR inhibitors, arsenic, a human monoclonal antibody to the insulin growth factor-1 receptor (IGF-1R), soy, genistein and most recently, metformin. Her pre-clinical work has led to several investigator-initiated clinical trials, including a pre-operative window study of metformin in obese endometrial cancer patients and a pilot study of metformin for the treatment of endometrial hyperplasia. Dr. Bae-Jump passionately pursues her research while serving on the clinical faculty in the Division of Gynecologic Oncology. Her clinical work drives her to seek solutions for her struggling gynecologic cancer patients.

## Application for the Burns-Waugh Research Fellowship 2014

Individual Student:

Class of:

Address:

Email:

Phone:

Faculty Recommendation:

I am applying for academic credit for this fellowship experience:

Yes

No

If applying for credit: Students must complete elective paperwork before beginning with Leanne Shook in Student Affairs. Retroactive credit cannot be given.

Please attach the following to this application:

- 1) An essay that answers the following question (no more than 1 page, 12pt font):
  - a) Why did you decide to pursue this fellowship and what do you hope to gain from this experience in terms of your short and long-term goals?
- 2) A letter of support from a UNC faculty member
- 3) A copy of your current CV

Applications must be submitted to Dr. Vickie Bae-Jump by February 4<sup>th</sup>, 2013. Incomplete applications will not be considered.

By my signature below, I authorize the selection committee to query the Office of Student Affairs regarding my academic standing. I give my permission for the committee to review all materials pertinent to my application for this fellowship.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Questions: contact Eli Tate at [eli\\_tate@med.unc.edu](mailto:eli_tate@med.unc.edu)

This application, with all supporting documents, must be submitted by January 29th, 2013 to:

Victoria Bae-Jump, MD, PhD  
Assistant Professor  
University of North Carolina  
Division of Gynecologic Oncology  
CB# 7572, Physicians Office Building Rm# B105  
Chapel Hill, NC 27599  
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