



The CLIMB UP (Undergraduate Program) for Summer Research at UB

November 19, 2010

Dear Undergraduate Student:

We would like to introduce you to **The CLIMB UP (Undergraduate Program) for Summer Research** at the University at Buffalo for Summer 2011.

The goals of CLIMB UP are to:

1. Introduce you to research in the biosciences
2. Facilitate your understanding of recent advances in the biosciences
3. Mentor you towards graduate careers in the discipline of your choice
4. Guide you through novel and exciting research projects and mentored by faculty, graduate students, and postdoctoral fellows through the summer and beyond.
5. HAVE FUN in Buffalo during the Summer!

What Is CLIMB UP?

The CLIMB (Collaborative Learning and Integrated Mentoring in the Biosciences) Program at UB has created The CLIMB UP for Summer Research, an outstanding summer research experience for undergraduate students to excel in biomedical research and explore graduate career opportunities. The overall goal is to introduce you to research in the biosciences, to facilitate understanding of recent advances in the pharmacological and toxicological sciences, and to mentor you towards graduate careers in these disciplines. As a CLIMB UP Fellow, you will be guided through novel and exciting research projects and mentored by faculty, graduate students, and postdoctoral fellows through the summer and beyond. You will spend 8-10 weeks (early June-mid August 2011) in the laboratory of your research mentor, whom you will be paired with based on your research interests. We will train you in various areas necessary to safely and efficiently perform your research and related activities.

What Areas of Research Does CLIMB UP Offer?

The CLIMB UP for Summer Research offers many diverse research opportunities in the areas of biomedical sciences. Research faculty are associated with the Departments of Pharmacology and Toxicology, Pharmaceutical Sciences, Biochemistry, Microbiology and Immunology, Oral Biology, Pathology and Anatomical Sciences, Physiology and Biophysics, Psychology, and Structural Biology, at the University of Buffalo and with various graduate programs including the interdepartmental Neuroscience Program, and Interdepartmental Graduate Program in Biomedical Sciences. These faculty members (over 120 individuals) have diverse research interests encompassing virtually all aspects of modern biological, neuroscience, and biomedical science.

For more info, please see: <http://www.acsu.buffalo.edu/~climb/CLIMBUP.html>

What's On the Agenda?

CLIMB UP will keep you busy during your summer in Buffalo, with a fun and worthwhile program, including:

- Individualized Lab Rotations
- Introduction to Lab Skills training course
- Weekly Lunchtime Workshop: *Identifying Targets for Drug Discovery in the 21st Century*
- Visits to the Buffalo Niagara Medical Campus
- Tips on fellowship/scholarship opportunities

- Workshop on career options
- Research presentations
- The “Buffalo Wing Social”
- Field Trips to Niagara Falls and other Western New York attractions!!
- Lasting friendships and mentoring relationships

Who Is Eligible for CLIMB UP?

The CLIMB UP for Summer Research trains highly qualified undergraduate students interested in the biomedical sciences, and in particular pharmacology and toxicology and pharmaceutical sciences. We are looking for students interested in pursuing PhD degrees and research careers. Students enrolled in the program are entering their sophomore, junior, or senior years in undergraduate programs at UB, and from undergraduate programs from premier colleges and universities nationally and internationally. Women, persons from underrepresented minorities, and persons with disabilities are encouraged to apply.

How Do I Apply?

Applications for Summer 2011 are due by February 1, 2011.

Applicants for The CLIMB UP for Summer Research are required to submit:

- The application form (ONLINE or Word doc, attached):
<https://spreadsheets.google.com/viewform?hl=en&formkey=dEk2eUJvckl1dTZmZoxqNXFBMGhIT1E6MQ#gid=0>
- Personal statement describing interest in research and career goals (in application)
- Official grade transcripts
- Two (2) letters of recommendation sent directly to the program

You may submit your applications:

- ONLINE (via web link)
- Via e-mail at: smbc-climb@buffalo.edu
- Via regular mail to:
Liz Marshall
The CLIMB UP for Summer Research
University at Buffalo
102 Farber Hall, 3435 Main Street
Buffalo, NY 14214

We hope that you will consider UB for your summer research experience! For further information, please visit us online at OR- “Like” CLIMB UP on Facebook! (Search for **CLIMBUP_for_Summer_Research**)

If you have specific questions, please feel free to contact us.
We look forward to meeting you!

Best wishes,



Margarita L. Dubocovich, PhD
Director of the The CLIMB Program



Rajendram V. Rajnarayanan, PhD
Associate Director of the The CLIMB Program