

**SUMMER UNDERGRADUATE RESEARCH FELLOWSHIPS (SURF)
in MOLECULAR and CELLULAR BIOLOGY**

Come and experience what it is like to work in a state-of-the-art life sciences research lab in one of the most beautiful areas of the country. The Molecular and Cellular Biology Program at Dartmouth [<http://www.dartmouth.edu/artsci/biochem/mcb/index.html>] offer opportunities for undergraduates to participate in a 10 week summer research program. Underrepresented minority students and students from institutions lacking research opportunities are strongly encouraged to apply. The [SURF](http://www.dartmouth.edu/~surf/) program [visit us at <http://www.dartmouth.edu/~surf/>] is part of the vibrant research community at Dartmouth that includes undergraduate, graduate, and postdoctoral researchers. A SURF award includes a full time research experience in the laboratory of one of the professors in the Molecular and Cellular Biology Programs. The SURF program covers expenses related to travel, room and board, and provides a stipend.

In addition to research experience, other activities include:

1. Career development activities, including a GRE prep course.
2. Seminars on applying to graduate school and research ethics
3. A journal club
4. Poster sessions to polish presentation skills

To apply complete the enclosed application and mail to:

SURF c/o Karen Thompson
Rm 201A Vail Bldg
Department of Microbiology and Immunology
Dartmouth Medical School
Hanover, NH 03755

Applicants with any questions about the program are encouraged to correspond via email with:

George O'Toole, Ph.D.
Co-Director
georgeo@Dartmouth.edu

Eric Schaller, Ph.D.
Co-Director
George.E.Schaller@Dartmouth.edu

The complete application package should include:

1. The Application form
2. Briefly outline your goals for participating in the SURF program
3. Two letters of recommendation from biology or chemistry professors (use enclosed forms)
4. A transcript

The application deadline is February 1st, 2010

APPLICATION
SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP (SURF) at DARTMOUTH

Name: _____

Current address [Street, City, State, Zip]:

Phone (____) _____

Fax # (____) _____

E-mail address: _____

Permanent address [Street, City, State, Zip]:

Phone (____) _____

Sex: Male _____ Female _____

Birthdate: _____

U.S. Citizen? Yes _____ No _____

Permanent Resident of U.S.? Yes _____ No _____

Ethnicity: [Please check one]

_____ American Indian or Alaskan Native

_____ Hispanic

_____ African American, not of Hispanic origin

_____ Asian

_____ Caucasian/white, not of Hispanic origin

_____ Pacific Islander

_____ I do not wish to provide this information

_____ Other [Specify] _____

Undergraduate institution: _____

Undergraduate major: _____

Currently enrolled as a: Freshman _____ Sophomore _____ Junior _____ Non-graduating Senior _____

Date Spring 2009 term ends: _____ Date Fall 2009 term begins: _____

Anticipate enrolling in: Graduate School _____ Fall _____ Spring _____ Other

Medical School _____ Fall _____ Spring _____ Other

MD/PhD Program _____ Fall _____ Spring _____ Other

Other [Specify] _____ Date _____

Please list the names of at least 3 **Research Topic Areas** you would be interested in working in:

1. _____

2. _____

3. _____

Where did you hear about the SURF program?

Briefly outline your goals for participating in the SURF program (please attach statement to the application).

Research Topic Areas

- Biophysics and Structural Biology
- Biotechnology
- Cell Biology
- Circadian Biology
- Computational Biology/Genomics
- Developmental Biology
- Evolutionary Biology
- Genetics
- Immunology
- Microbiology, Molecular Pathogenesis and Host-Microbe Interactions
- Neurobiology
- Parasitology
- Plant Molecular Biology
- Proteomics
- Regulation of Gene Expression
- Signal Transduction and Cellular Metabolism

**LETTER OF RECOMMENDATION
SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP
IN MOLECULAR AND CELLULAR BIOLOGY**

_____ is applying for a summer research program at Dartmouth. This 10 week program in Molecular and Cellular Biology provides an opportunity for undergraduates to perform cutting-edge biomedical research. We would appreciate it if you could answer the questions below and add any additional comments you might feel are helpful. Thank you for your assistance.

- 1] Length of time you have known the applicant.

- 2] How do you know the applicant (advisor, instructor, etc)?

- 3] Please list any courses you teach that the applicant has taken.

- 4] Please rank the applicant relative to other students you have taught or interacted with.

Top 1% Top 5% Top 15% Top 30% Average Below average

- 5] Please include any additional comments you wish to make in support of this student's application (please feel free to use additional pages if you wish).

Your name: _____ Position: _____
Department: _____
Institution: _____
Address: City, State, Zip: _____
Signature: _____ Date: _____

Please return form by Feb. 1, 2010 to: SURF c/o Karen Thompson
Rm 201A Vail Building
Dartmouth Medical School
Department of Microbiology and Immunology
Hanover, NH 03755

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