

CRISP Research Experience for Undergraduates Fellowship Program



Center for Research on Interface Structures and Phenomena Materials Research Science and Engineering Center-Yale/SCSU/BNL

The CRISP - Research Experience for Undergraduates (CRISP-REU) fellowship program provides students with the opportunity to conduct team-based interdisciplinary research. Participating students conduct an eight-week research project as members of a research team including university faculty and graduate students. Fellows will be exposed to other research available on campus through weekly meetings and faculty seminars. Professional development and social activities are also integral components of the program. At the end of the experience, participants present their work in a professional forum.

Fellowships will normally run for the period of June 1 – July 27 and will carry a stipend of \$2,500 to be awarded upon completion of the program. Fellows should have completed their junior year by the beginning of the fellowship period, although consideration will be given to exceptionally well qualified underclassmen. In addition to their stipend, students will be offered complimentary meals and housing on the Yale University campus.

Students selected for the CRISP-REU will participate in the Yale Summer Undergraduate Research Fellowship (SURF) program (<http://www.yale.edu/graduateschool/diversity/index.html>). **CRISP REU candidates should apply directly to the Yale SURF program and should indicate their intention to participate as part of the CRISP REU by printing “CRISP REU” clearly along the top of the application (application is attached).**

Applications should be mailed directly to the SURF fellowship program by the deadline indicated on the Yale SURF website (Feb 1, 2009). Applicants should follow all directions and procedures indicated for the Yale SURF program. Applications from women and underrepresented minorities are especially encouraged and should be so identified. Undergraduate student participants supported with these NSF funds must be citizens or permanent residents of the United States or its possessions.

Information about CRISP can be found at <http://www.crisp.yale.edu/>

CRISP REU Project topics include:

- Microscopy study of nanomaterials with interdisciplinary applications
- Structure of single-crystal oxide surfaces
- Magnetic force microscopy
- Electronic and optical properties of nanotubes and nanowires
- Electrical characterization of semiconductor devices
- Microstructural characterization of semiconductor devices
- Atomic scale visualization of semiconductor nanowires

For additional information about the CRISP REU Fellowship Program contact:

Dr. Christine Broadbridge
Education Director, CRISP
Southern Connecticut State University
Department of Physics; JE-108
christine.broadbridge@yale.edu

APPLICATION FORM – CRISP REU

Summer Undergraduate Research Fellowship (SURF)

Yale University Graduate School of Arts & Sciences



Application Deadline: February 1

PLEASE TYPE OR PRINT IN INK THE INFORMATION REQUESTED BELOW.

IF ANY ADDITIONAL SPACE IS NEEDED, USE A SEPARATE SHEET OF PAPER WITH YOUR NAME AND CURRENT UNDERGRADUATE INSTITUTION CLEARLY INDICATED.

PERSONAL INFORMATION: (PLEASE PRINT OR TYPE)

FULL NAME LAST _____ FIRST _____ MIDDLE _____

SOCIAL SECURITY NUMBER _____ DATE OF BIRTH _____ AGE _____

_____ FEMALE _____ MALE CITIZENSHIP STATUS: _____ US CITIZEN _____ PERMANENT RESIDENT _____ FOREIGN CITIZEN

COUNTRY OF CITIZENSHIP _____ VISA STATUS _____

<p>MAILING ADDRESS VALID UNTIL ___/___/___</p> <p>STREET _____</p> <p>CITY _____</p> <p>STATE _____ ZIP CODE _____</p> <p>COUNTRY _____</p> <p>DAYTIME PHONE NUMBER: _____ (AREA CODE) AND PHONE NUMBER</p>	<p>PERMANENT ADDRESS</p> <p>STREET _____</p> <p>CITY _____</p> <p>STATE _____ ZIP CODE _____</p> <p>COUNTRY _____</p> <p>DAYTIME PHONE NUMBER: _____ (AREA CODE) AND PHONE NUMBER</p>
--	--

E-MAIL ADDRESS: _____

ACADEMIC INFORMATION:

UNDERGRADUATE INSTITUTION: _____

MAJOR _____ MINOR _____ OTHER _____

OVERALL CUMULATIVE GPA: _____ CUMULATIVE GPA IN MAJOR: _____ EXPECTED DATE OF GRADUATION _____
MONTH/YEAR

RACIAL/ETHNIC BACKGROUND:

- _____ BLACK/AFRICAN AMERICAN _____
- _____ HISPANIC (PLEASE SPECIFY) _____
- _____ NATIVE AMERICAN (TRIBE/NATION) _____
- _____ ASIAN AMERICAN/PACIFIC ISLANDER (PLEASE SPECIFY) _____
- _____ BIRACIAL/MULTIRACIAL (PLEASE SPECIFY) _____
- _____ OTHER BACKGROUND (PLEASE SPECIFY) _____

YALE SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP (SURF) APPLICATION CONT'D.

WHICH ACADEMIC DEGREE(S) DO YOU INTEND TO PURSUE AFTER COMPLETING YOUR BACHELOR'S DEGREE? (CHECK ONE OR MORE OF THE FOLLOWING):

____ PH.D. ____ M.D./PH.D. ____ M.D. ____ J.D. ____ MBA ____ OTHER: _____

HAVE YOU EVER PARTICIPATED IN A SUMMER RESEARCH PROGRAM? ____ YES ____ NO

IF YES, LIST THE PROGRAM(S) YOU HAVE PARTICIPATED IN AND THE YEAR(S):

ARE YOU A MARC (MINORITY ACCESS TO RESEARCH CAREERS) STUDENT? ____ YES ____ NO

DESCRIBE ANY PERTINENT RESEARCH EXPERIENCES BRIEFLY BELOW:

RESEARCH PREFERENCES (PLEASE INDICATE WHAT AREAS OF RESEARCH YOU ARE MOST INTERESTED IN PURSUING DURING YOUR SURF PROGRAM PARTICIPATION. IF YOU HAPPEN TO HAVE A PARTICULAR FACULTY MENTOR IN MIND, PLEASE PROVIDE NAME AND DEPARTMENT):

LETTERS OF RECOMMENDATION (2 LETTERS ARE REQUIRED):

NAMES, TITLES AND INSTITUTIONAL AFFILIATIONS OF RECOMMENDERS (FACULTY MEMBERS, PREVIOUS RESEARCH SUPERVISORS OR SUMMER PROGRAM DIRECTOR):

#1 _____

#2 _____

YOUR COMPLETED APPLICATION MUST INCLUDE THE FOLLOWING:

- **CURRENT RESUME**
Include a copy of your updated resume with this application.
- **RECOMMENDATION LETTERS**
Two letters of recommendation either sent directly to SURF Program office or included with your application in a sealed envelope and signed across the seal by your recommender.
- **TRANSCRIPT**
Current official transcript(s) are to be sent directly to the SURF Program office.
- **PERSONAL STATEMENT**
Statement must fit into the one page form provided (see following page)

INFORMATION VERIFICATION:

ALL INFORMATION INCLUDED IN THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

STUDENT SIGNATURE: _____ DATE: _____

MAIL ALL APPLICATION MATERIALS TO:

YALE SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP (SURF) PROGRAM
YALE UNIVERSITY GRADUATE SCHOOL OF ARTS & SCIENCES
320 YORK STREET (HGS 128 HGS)
P.O. Box 208236
NEW HAVEN, CT 06520-8236
FAX: (203) 432-7765

ALL MATERIALS MUST BE POSTMARKED NO LATER THAN: FEBRUARY 1

QUESTIONS ABOUT SURF PROGRAM OR APPLICATION PROCESS:

DR. MICHELLE NEARON, ASSISTANT DEAN
YALE SURF PROGRAM DIRECTOR
PHONE: (203) 432-0763
E-MAIL: MICHELLE.NEARON@YALE.EDU

PERSONAL STATEMENT

Provide a brief statement that indicates your research interests and the personal characteristics, academic skills and experiences that make you well qualified to pursue research in the area you propose to work in during your SURF Program participation. Also indicate your future educational and career goals, previous research experiences and any other information that you would like the Selection Committee to know about you.

YALE SURF PROGRAM RECOMMENDATION FORM

(PLEASE MAKE ADDITIONAL COPIES AS NEEDED)

STUDENT APPLICANT NAME: _____

The above named individual is applying for a summer research training position at the Yale University Graduate School of Arts & Sciences. Please comment on your relationship to the applicant, your knowledge of the applicant's abilities, and your opinion of his/her potential for a career in the research field of his/her choice. You may return this form to: SURF Program Office, Yale Graduate School of Arts & Sciences, P.O. Box 208236, New Haven, CT 06520-8236 or fax to (203) 432-7765. Alternatively, you may also give it to the student in a sealed envelope signed across the seal by you to be mailed along with his/her application materials. If you have further questions, please call (203) 432-0763.