To: Sophomore and Junior Chemistry and Biochemistry Majors

From: Dr. T. Nicholas Jones, Interim Chemistry Summer Research Coordinator

Subject: Application process for our summer research program at CSB/SJU

Date: January 11, 2010

As in the past, the Chemistry Department is able to offer the opportunity for students to do research with CSB/SJU faculty members this summer in the Ardolf Science Center. Students who will be juniors or seniors in the fall of 2010 will be considered, with a very strong preference for chemistry and biochemistry majors. At this time it is anticipated that at least six students will be hired to do research in the Chemistry Department. Professors Fazal, Graham, Jakubowski, Johnson, Jones, McIntee, Peterson, Ross and Schaller will be considering applications from potential research students. They will post summaries of their research projects outside their offices.

Applications: If you are interested in applying to work in the Chemistry Department, please view the posted project descriptions and complete the application form on the back of this sheet. Please also obtain an unofficial transcript with your name is on it and hand these materials in at my office (ASC 250). The transcript does not have to be official and may be downloaded from Banner. Applications are due March 1st. Students will be notified of first-round acceptances by March 16th.

Time and Money: The program will run from Monday, May 31st to Friday, August 6th, with July Monday, July 5th scheduled as a holiday (July 4th 3-day weekend). The hourly wage for this summer has not been set. However, it will be similar to previous years, when researchers earned $8.63 per hour and a $1,130 allowance for room and board. These earnings are subject to taxes.

China research program: Students (from chemistry, biology, biochemistry, physics, psychology, etc) who are selected for this program will do six weeks of research in China, followed by six weeks of research here. For more information on this program, contact Henry Jakubowski in the Biology Department at hjakubowski@csbsju.edu or visit the program website at [http://employees.csbsju.edu/hjakubowski/dept/SumResExchang/10SummExchangeProgMM .htm](http://employees.csbsju.edu/hjakubowski/dept/SumResExchang/10SummExchangeProgMM%20.htm) . Applications are due Jan. 25th with Dr. Jakubowski. **Please also submit a copy of your application to Dr. Jones if you hope to work in the chemistry department as part of this program; some chemistry slots will be saved for people accepted into the China program**.

Other Programs: The Biology Department will be running a program similar to that in Chemistry. For those of you intending to complete biochemistry majors, research projects in either department are appropriate!

In addition, we receive announcements for summer research opportunities on other campuses; these are usually posted on the bulletin board across from organic lab. See also the listing of National Science Foundation-supported programs at <http://www.nsf.gov/crssprgm/reu/reu_search.cfm> Typically they pay $3000-4000 for ten weeks, with some programs providing additional money for travel to the site and/or room and board. Application deadlines occur in January to early March.

**Application for CSB/SJU Summer Research Position in Chemistry**

\_\_\_ Check here if you have also applied to the China Program.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Major:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone number or e-mail: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is your ultimate professional goal? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Do you intend to do research during the academic year? Yes / No

Do you intend to use this research opportunity to complete an Honors thesis? Yes / No

In what 300 level chemistry or biochemistry courses do you plan to enroll in your remaining time at CSB/SJU?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A. I am willing to work on any research opportunity offered me \_\_\_\_ (place a check if applicable. Even if you do mark this, you may also indicate preferences below.)

1. Circle all areas you find most interesting.

Organic: New Reactions Synthesis Purification Structure Elucidation

Inorganic: Bioinorganics Transition Metals Coordination Complexes Catalysis

Analytical: Instrumentation Photochemistry Environmental Chemistry

Physical: Thermodynamics Kinetics Quantum / Computational

Biochemistry: Proteins / Enzymes DNA/RNA Biophysical Chemistry

C. Do you have specific professors on whose projects you are interested in working? (see descriptions posted by offices) Please list in order of preference.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Anticipated dates are June 1-August 8. List any dates you will not be available.

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List any chemistry-related work experience that you have had.

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List two chemistry faculty members who are familiar with your work.

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Applicant’s signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Return this form with a transcript\* to T. Nicholas Jones, ASC 250, by March 1st and an additional copy to Henry Jakubowski, ASC 245, by January 25th if you plan to apply for the Summer Exchange Program with China.**