



Fall/Winter 2003-2004

Dear High School Junior:

The Summer of 2004 will be the 52nd Anniversary of Roswell Park Cancer Institute's *Research Participation Program for Young Scholars*. This is a program designed for talented high school students who will have just completed their junior year (Class of 2005). The program will run from June 28-August 12, 2004 and is partially funded by the National Cancer Institute.

PROGRAM OBJECTIVES

The major objectives of the program are ① to introduce you to scientific research through a project supervised by a senior scientist, ② to help you develop your own philosophy of science, and ③ to aid in planning your college career. High school students are selected by RPCI scientists to conduct research in molecular biology, cell physiology, biophysics, biochemistry, immunology, and pharmacology based upon your statement of scientific interest, academic credentials, recommendation, and your essay/resume.

THE INSTITUTE

The Roswell Park Cancer Institute is the oldest and one of the largest cancer research, treatment, and educational facilities in the world. It was one of the first in the nation to be designated as a comprehensive cancer center by the National Cancer Institute in 1971 following adoption of landmark federal legislation aimed at intensifying the fight against cancer. Roswell Park has a staff of more than 2,000 including approximately 200 senior scientists and physicians.

But, Roswell Park is more than an imposing array of buildings covering some eight city blocks in downtown Buffalo. It is the embodiment of a philosophy that links laboratory discoveries with detection, prevention, treatment, and professional and public education as essentials in the fight against cancer. This philosophy is part of the legacy of Dr. Roswell Park, a noted professor of surgery at the University of Buffalo School of Medicine who, shortly before the turn of the century, had become deeply concerned at the lack of any organized effort in the United States to investigate the nature of cancer and ways in which treatments could be improved.

EXPENSES

A \$5 application fee *must* accompany your credentials with checks made payable to "RPCI - Summer Program". All admitted students will be charged a \$75 activity fee with estimated expenses for out-of-town students, who live in the dormitory, of \$750 for room and \$500 for food. There is no tuition fee.

STUDENT HOUSING

Out-of-town students will be housed in a residence hall on the University at Buffalo, South Campus. Participants are supervised by resident advisors from the University. Room and board expenses are the responsibility of parents/guardians.

FINANCIAL AID

Even though need-based financial aid is limited, **all** students are encouraged to apply for admission. The Institute has been awarded grants which can assist families with documented need.

APPLICATION OF ADMISSION

Complete applications **must be signed and mailed in one envelope by a high school guidance counselor or academic advisor**. Completed applications **including a transcript of grades through January 2004** and one (1) teacher's recommendation **must be received by February 15**. It is the responsibility of each **student** to enclose a pre-addressed, stamped postcard which will be date-stamped and returned to you to verify that your file has been received and is complete. Only complete files will be considered. Those chosen will be notified of their appointment by April 1. In 2003, 23 of 110 applicants were selected.

Sincerely,

Arthur M. Michalek, Ph.D.
Chair of Educational Affairs
Dean, Roswell Park Graduate Division
University at Buffalo

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The 52nd Annual
**RESEARCH PARTICIPATION PROGRAM IN SCIENCE
 FOR YOUNG SCHOLARS**

At Roswell Park Cancer Institute
June 28, 2004 to August 12, 2004



A Comprehensive Cancer
 Center Designated by the
 National Cancer Institute

INSTRUCTIONS:

A complete application includes: (1) this form with every item filled in; (2) an essay answering question #10; (3) a recommendation from one high school science/math teacher; (4) a high school transcript; (5) signature of your high school counselor; (6) application fee of \$5.00, check payable "RPCI Summer Program" and (7) preaddressed, stamped postcard to verify date of receipt of application. **It is important that the first Semester grades of the current academic year be included. All items should be mailed by your counselor in one envelope to:** Summer Program, Roswell Park Cancer Institute, Elm and Carlton Streets, Buffalo, NY 14263 and received by **February 15** to guarantee consideration of your application. Applicants will be notified by early April. Please **PRINT** or **TYPE** the entire application.

1. _____
 First Name Middle Last

2. Mailing Address _____
 Street

 City State Zip Code

3. _____ / _____ / _____
 (Area Code) Telephone Number E-mail Address Birthdate

 Social Security Number Citizenship Visa Status

4. Gender Male Female

5. Parents/Guardian Highest Education Level
 Father's Name _____ High School College Graduate/Professional
 Mother's Name _____ High School College Graduate/Professional

6. Ethnicity (Optional)
 Native American Hispanic/Mexican American
 Pacific Islander Caucasian
 Asian/Indian Alaskan Native
 African American Other: _____

7. High School Name _____
 High School Telephone Number (Include Area Code) _____

8. Present Educational Level Junior
 Other _____

9. What are your goals in higher education?
 Degree(s)? _____
 Major(s)? _____

10. a. On a separate sheet, attach an essay of not more than 300 words answering the following questions: Why do you wish to participate in this particular program? and What you hope to achieve as a future scientist?
 b. Describe briefly your participation in SCIENCE activities, extracurricular activities, periodicals you subscribe to or read regularly and the titles of the last two books you read not required for a class.

11. Indicate your preference of a research laboratory: (Please put #1 on line next to your **first** choice and #2 on line next to your **second** choice.)

_____ Biological Sciences	_____ Chemistry/Biochemistry
_____ Biophysics	_____ Mathematics/Computer Applications
_____ Other: _____	

12. _____
 Date Signature of Applicant

13. **CONSENT:** It is my understanding that, if enrolled, students will be subject to the regulations of Roswell Park Cancer Institute and the program. It is understood that should a health emergency arise, I/we will be notified, but if I/we cannot be reached, such medical treatment as deemed necessary by competent medical personnel is authorized.

Health Insurance Company _____ Policy # _____

_____ Date Signature of Parent

PLEASE RETURN YOUR APPLICATION TO YOUR ADVISOR FOR MAILING

14. **ACADEMIC ADVISOR:** In the space provided please record the numerical average of all science and mathematics courses for this student showing (if New York State) N.Y.S. Regent Exam Grades **or** final unweighted class average scores (1-100), **whichever is higher**. Include student's **current** math/science class averages **at mid-year**. **Attach a transcript of grades through mid-year**.

<u>Science</u>	<u>Mathematics/Computer Science</u>
9th Grade Science _____	Math I _____
Earth Science _____	Math II _____
Biology _____	Math III _____
AP Biology _____	Math IV _____
Chemistry _____	Other: _____
AP Chemistry _____	_____
Physics _____	_____
Other: _____	_____

15. **PLEASE CALCULATE** the unweighted numerical **average** of all science/math courses final and current grades:

16. Estimated student rank in the junior class: _____ out of _____ students (if available).

Student PSAT score - Overall selection index percentile: _____ %.

Student SAT scores - Verbal: _____, _____ %; Quantitative: _____ % (if available).

or

Student ACT scores: _____, _____ % Total: _____

17. In your opinion, would this student qualify for financial aid based upon exceptional financial need? Yes No

Date: _____ Signature of Academic Advisor: _____

NONDISCRIMINATION: Prospective students are considered for admission in a nondiscriminatory manner without regard to race, religion, color, sex, national or ethnic origin, or nondisqualifying handicap in accordance with existing laws and regulations.