

Summer Science & Mathematics Research Programs 2010

Brook Haven National Laboratory:

www.bnl.gov/educa/programs/hsrp.asp

High School Research Program (HSRP)

1. Student must be available for the entire program
2. Student must have reliable transportation to and from the Laboratory
3. Student must have completed 11th or 12th grade
4. Students must be at least 16 years old
5. Preference will be given to Suffolk County students

2010 Application Deadline to be announced

RSI Admissions Guidelines (MIT)

www.cee.org/rsi/guidelines.shtml

RSI is open to students who have completed their third year of high school or the equivalent by the summer of the program. Please note that high school seniors are not eligible to apply.

The application deadline for RSI 2009 is **January 15, 2010**. Click here to download the 2009 RSI application:

The Rockefeller University

Summer High School Science Outreach Program

www.rockefeller.edu/outreach/

The Rockefeller University's Summer High School Science Outreach Program (SOP) is designed to offer engaged, intellectually curious and highly motivated high school students with a strong aptitude in the life or physical sciences a total-immersion experience in laboratory research. Each year, approximately 40 outstanding high school students are chosen from a large number of applicants. Students are matched to a lab according to their stated field of interest and are individually mentored by graduate students, postdoctoral fellows, or lab heads. These mentors volunteer to help design and closely supervise individualized summer projects for their students. The seven-week program will run from June 28 through August 13, 2010. Students must be 16 years old at the start of the program in order to participate.

Applications must be submitted no later than **February 1, 2010**. Completed applications will be reviewed in the order they are received. Final decisions will be made by late April/early May. It is imperative that applicants provide a valid e-mail address at which to be contacted, as this is how we will contact you regarding the status of your application and acceptance to the program.

Feinstein Institute Student Internship Program

Feinstein Institute for Medical Research

Grade(s): 10-12 | New York | Commuter

<http://www.feinsteininstitute.org/Feinstein/Student+Intern+Programs>

The Feinstein Institute offers a structured summer program for a limited number of high school students interested in biomedical research who are planning to compete in a science competition. The Feinstein faculty conduct studies in many areas, including Alzheimer's disease, autoimmune disease, cancer, genetics, immunology and inflammation, neuropsychiatric disorders and Parkinson's disease. Detailed information about the research available is provided on the Feinstein web site. The program includes the opportunity for mentored laboratory research or participation in clinical research studies, with students usually conducting individual projects within the area of expertise of the mentor.

Enrollment: 10 students

Qualifiers: Students enrolled in a structured high school program that is intended to prepare students to participate in a regional or national science competition (e.g. LISEF, Intel).

Dates: 6-8 weeks during the period from the beginning of July through mid to late August, extending through the school year as necessary for the science competition. Student must agree to participate full-time on weekdays during the entire summer period

Est. Cost: None

Deadline: Complete applications must be postmarked or emailed by **FEBRUARY 1, 2010**.

Eligibility: Students must be at least 15 years old at the start of the program.

Location: Manhasset, NY.

Hofstra University

Summer Science Research Program

<http://www.hofstra.edu/Academics/Colleges/HCLAS/SSE/>

Science teachers interested in the program are encouraged to come tour our facilities and meet the participating research professors from Hofstra's faculty. Please call the Hofstra Chemistry Department at (516) 463-5534 or e-mail [Dr. Nanette Wachter](mailto:Dr.Nanette.Wachter) to respond to this invitation.

2010 Application Deadline to be Announced

Hofstra University's Summer Science Research Program offers high school students opportunities in science research under the guidance of professionals in science and mathematics. Now in its seventh year, **HUSSRP** provides selected research-oriented high school students the opportunity to work with our science faculty during the summer in an on campus research program.

Application will be on line February 1, 2009

Application Deadline: April 10, 2009

Program: July 6 - August 14, 2009

The Summer Research Institute (SRI) at NYU-Poly

www.poly.edu/outreach/youth/summer

The Summer Research Institute (SRI) at NYU-Poly is a highly selective program that provides talented high school students with educational opportunities in science, engineering and mathematics. SRI's resources

and activities go beyond what is regularly available in high school courses and laboratories. Students engage in independent research in university laboratories under the guidance faculty mentors.

Sample Research Topics

- Visual Programming
- Biomedical Signal Processing
- Internet Security
- Quantum Information Theory
- Studies of Recombinant Proteins

For information about the YES Center's programs at the Polytechnic Institute of NYU, please contact:

E-mail: yes@poly.edu
Phone: 718-637-5944
Fax: 718-637-5941

Polytechnic Institute of NYU
Six MetroTechCenter
Brooklyn, New York 11201

Stony Brook University

www.sunysb.edu/sb/highschool.shtml

[Biotechnology Summer Camp](#)

[Engineering Summer Camp](#)

[Independent High School Research \(Supervised Lab Research\)](#)

[Mathematics Summer Camp](#)

[Polymer Center](#)

[Science And Research Awareness Series \(SARAS\)](#)

Biotechnology Summer Camp

A four week residential camp for students interested in doing research in biotechnology

Dates:	July 12- August 6, 2010
Application Deadline:	April 1, 2010
Cost:	\$2200 (includes laboratory fees plus room & board) Financial Aid is unavailable
Instructor:	Dr. Daniel Moloney
Eligibility:	Students must have completed ninth grade and completed biology (living environment) in order to apply

[Biotechnology Summer Camp Application](#)

Engineering Summer Camp

A two week residential camp for students interested in doing research in biotechnology

Dates:	July 12- July 23, 2010
Application Deadline:	April 1, 2010
Cost:	\$1300 (includes laboratory fees plus room & board)
Instructor:	Dr. Monica Bugallo
Eligibility:	Students who will be juniors or seniors in the fall of 2009. Students with a strong background in math and science are recommended.

[Engineering Summer Camp Application](#)

Mathematics Summer Camp

A two week residential camp for students interested in exploring various fields of Mathematics

Dates:	July 26- August 6, 2010
Application Deadline:	April 1, 2010
Cost:	\$1300 (includes room & board and fees)
Instructors:	David Kahn and Dr. Lisa Berger
Eligibility:	Students must be juniors or seniors in the Fall of 2010

[Mathematics Summer Camp Application](#)

For additional information or questions, please call (631-632-9750) or e-mail (cesame@stonybrook.edu).

Independent High School Research
at Stony Brook University



Many high school students find research placements in labs at Stony Brook-- independently of the [high school research programs](#) that exist at the university. Some have contacts made through parents or teachers or through research-based coursework affiliations. Other students find they are successful in getting placed in a lab (for the summer, or weekend work) by contacting faculty directly via email. Departmental Web pages are probably the best guide to specific faculty research interests. (Check out the URECA page: [Mentors: where to look](#)) *PLEASE NOTE THAT WE DO NOT FIND RESEARCH PLACEMENTS FOR THE STUDENTS.

Once you have found a lab/research mentor, then:

- Please take a minute to [register](#) yourself or your student (online form).
- [Medical Release Forms](#): Have you completed these forms before starting work at your lab? (Requires a parent's signature). Give them to the PI/faculty mentor of your lab.
- [Laboratory Safety](#). Get some important advice, info and training on safe lab practices by calling (631) 632-9672.
- State & Research Foundation [Volunteer Guidelines](#) and [Volunteer Demographic Data](#) form--for obtaining visitor/volunteer ID badges from ID Card Office, located in Administration Building, 103.

Garcia Program

2010 Summer Program

June 28 - August 13 Application Deadline: February 1st.

Please see below for program details.

Contact: Lourdes Collazo 631-632-6097 or Miriam Rafailovich 516-458-9011

<http://polymer.matscieng.sunysb.edu/researchscholar.htm>

The Research Scholar Program for High School Students offers the opportunity for high school teachers and students to perform research on the forefronts of polymer

science and technology together with GARCIA faculty and staff. Students work as part of focused research teams and are taught to make original contributions of interest to the scientific community. In addition to entering national competitions, the students are encouraged to publish in refereed scientific journals and to present their results at national conferences. Our goal is to convey to the students the excitement we enjoy daily in research. The program has no set time limits. Research is a lifetime learning experience, and we hope to remain a resource to our students long after "graduation".

Laboratory usage fee: \$1000
Supply Kit: \$100

Science And Research Awareness Series (SARAS)

*Organized by: Department of Anesthesiology, SUNY
Medical Center, Stony Brook, NY*

SARAS is a program organized by Stony Brook University faculty and staff to present lectures, workshops and demonstrations about biomedical science to High School and undergraduate students.

(Focus on Emerging and Novel Technologies)

**REGISTRATION OPENS ON JANUARY 15,
2010**

From July 5, 2010 to July 22, 2010

**Every Monday, Tuesday, Wednesday and Thursday
at Stony Brook Health Sciences Center, Stony Brook, NY**

Objective of the Series:

This lecture and workshop series is designed to bring awareness to enthusiastic students on different aspects of basic, clinical and

translational sciences and associated specialties of the biomedical field. Scientists, physicians, allied health professionals, health administrators and other experts will be involved in educating the students about different topics, specialties, and also laboratory and clinical techniques. The interaction between these experts and the students will enhance the participant's educational experience and gives the students an insight into different fields and careers of biomedical sciences.

The 58th Annual
**RESEARCH PARTICIPATION PROGRAM IN
SCIENCE - FOR HIGH SCHOOL JUNIORS
At Roswell Park Cancer Institute**

http://www.roswellpark.org/Education/Summer_Programs

June 28, 2010 to August 13, 2010

Application Deadline: February 16, 2010

APPLICATION PART A – STUDENT'S INFORMATION

A complete application includes:

- (1) Part A completed by the student.
- (2) Part B completed and signed by your high school counselor.
- (3) A 300 word essay answering question #10.
- (4) A recommendation letter in a sealed envelope from one high school science/math teacher.
- (5) A copy of your high school transcript that includes your freshman, sophomore and the first marking period grades of your junior year.
- (6) The \$10 application fee (check/money order made payable "RPCI Summer Program").

All six items should be mailed in one envelope to "Summer Program Office, Roswell Park Cancer Institute, Elm and Carlton Streets, Buffalo NY 14263" by **February 16** to guarantee consideration of your application. Only complete applications will be considered. Please **PRINT OR WORD PROCESS** the application form. Applicants will start to be notified of their status beginning mid-March.

[Summer Student Program - The Jackson Laboratory](#)
(Bar Harbor, Maine)

<http://education.jax.org/summerstudent/index.html>

Program Description

The Summer Student Program is designed to help students understand the nature of research science. The emphasis of this program is on methods of discovery and communication of knowledge, not the mastery of established facts.

Independent Research

Under the guidance of a mentor, students develop an independent research project, implement their plan, analyze the data, and report their results. At the end of the summer, students present their findings to researchers, peers, and parents.

Dynamic Students

Each year, the program consists of about thirty students from around the United States, from both high school and undergraduate institutions. Their varied interests and backgrounds create a lively, well-rounded atmosphere at the lab.

Admission

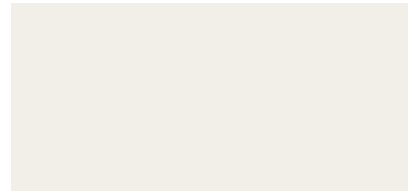
Admission is competitive, and students of all backgrounds are selected. Applications from minorities are strongly encouraged.

Interns receive a stipend of \$3,600 for the nine-week program. Early start students receive \$4,400. College students especially are encouraged to consider starting early, as quality research is time consuming.

Important Dates for 2010

All students are required to attend the entire program. The Laboratory regrets that it cannot approve requests to arrive late.

January 4	Postmark deadline for applications
Mid-March	Notification of admission decisions
May 23	Early-start students arrive
June 6	Regular-start students arrive
August 9	Summer symposium and graduation



<http://woodshole.com/science.htm>

[Woods Hole: Science and Education](#)

SEA offers *programs* for college *students*, *high school students*, and teachers. ... scientific *research* and education

Science and Education

Woods Hole is home to world renowned scientific institutions and other educational establishments. Discover the sea, and more, in new and different ways while you're here.

Research and Training Opportunities at the National Institutes of Health

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

[Home](#) > [Student Programs](#) > [Summer Internship Program](#) > SIP Information

Summer Internship Program (SIP)

PROGRAM DESCRIPTION

For high school, college, graduate, medical, and dental students

Summer programs at the National Institutes of Health (NIH) provide an opportunity to spend a summer working side-by-side with some of the leading scientists in the world, in an environment devoted exclusively to biomedical research. The NIH consists of the new 240-bed Mark O. Hatfield Clinical Research Center and more than 1200 laboratories located on the main campus in Bethesda, MD as well as in Baltimore and Frederick, MD; Research Triangle Park, NC; Phoenix, AZ; Hamilton, MT; and Detroit, MI.

The Summer Internship Program is for students who will be sixteen years of age or older at the time they begin the program and who are currently enrolled at least half-time in high school or an accredited U.S. college or university. Students who have been accepted into a college or university program may also apply. To be eligible, candidates must be U.S. citizens or permanent residents.

Awards cover a minimum of eight weeks, with students generally arriving at the NIH in May or

June.

Stipends

The stipends for trainees are adjusted yearly, with supplements for prior experience. For details, see the [Trainee Stipends](#) page.

Application procedure

Prospective candidates must [apply online](#). The **application is available from mid-November to March 1**. It requires submission of a curriculum vitae or resume, coursework and grades, a cover letter describing the applicant's research interests and career goals, and the names and contact information for two references. Candidates may also specify the scientific methodologies or disease/organ systems that interest them.

[Science Training Programs - Society for Science & the Public](#)

The *Science Training Programs* Directory for Teachers and *Students* (STP) has more than 300 ... *High School* Grades 9-12, Financial help, For women. Commuter ...
<http://societyforscience.org/stp/>

A Guide to High School Programs in Science and Engineering

<http://www.kidscamps.com/academics/science.html>

(Enter State of interest in USA)

<http://people.rit.edu/gtfsbi/Symp/highschool.htm>

Co-op/Internship Opportunities for 2010 for High School Students

Some links will require the **Adobe Acrobat Reader** to read pdf format. If you don't have a copy on your computer, click [here](#) for a free download
Skip the [introduction](#) and

[Go to Co-op/Internship Postings](#)
[Return to Special Interest Group Co-op/Internship List](#)

Organizations listed below that have already updated their sites for 2010, or offer opportunities on an *annual basis* will be indicated by a (2010) after the [co-op](#) link. You are welcome to look at the **2009 details still listed for organizations that have not updated yet. Check back frequently for 2010 updates that will be posted as they become available.**

AMS American Mathematical Society

Summer Math Camps and Programs for High School Students

www.ams.org/employment/mathcamps.html

Summer programs that help gifted students explore the world of mathematics research (most are residential programs accepting applications nationwide).

ALL GIRLS/ALL MATH

Location: University of Nebraska-Lincoln, *Lincoln, NE*

Web site: <http://www.math.unl.edu/programs/agam>

AwesomeMath Summer Program

Location: University of Texas at Dallas, *Dallas, TX* and University of California at Santa Cruz, *Santa Cruz, CA*

Web site: <http://www.awesomemath.org>

Canada/USA Mathcamp

Location: Mathematics Foundation of America, *Location varies*

Web site: <http://www.mathcamp.org/>

CCNY Scholars Program

Location: City College of the City University of New York

Web site: none

COSMOS: California State Summer School for Mathematics and Science

Location: University of California *4 campus locations - UC Davis, UC Irvine, UC Santa Cruz, UC San Diego*

Web site: <http://www.ucop.edu/cosmos/>

GEMS Camp (Girls Experiencing Mathematics in the Summer)

Location: University of St. Thomas, *St. Paul, MN*

Web site: <http://www.stthomas.edu/gemscamp>

Hampshire College Summer Studies in Mathematics (HCSSiM)

Location: Hampshire College, *Amherst, MA*

Web site: <http://www.hcssim.org> and <http://www.yp17.org>

Institute of Technology Center for Educational Programs

Location: University of Minnesota, *Minneapolis, MN*

Web site: <http://www.itcep.umn.edu>

LSU MathCircle Summer Enrichment Program

Location: Louisiana State University, *Baton Rouge, LA*

Web site: <https://www.math.lsu.edu/dept/mathcircle>

MathPath (Ages 11 - 14)

Location: Mathpath, *Location varies*

Web site: <http://www.mathpath.org>

Math Summer Programs and Math Camps on College Campuses in New York State

Location: Various locations, *New York State*

Web site:

<http://www.summeroncampus.com/main/ActivityProgramsList.asp?CategoryID=6>

Math Zoom Summer Camp

Location: University of California, Los Angeles

Website: <http://www.mathzoom.org>

Michigan Math and Science Scholars

Location: University of Michigan, *Ann Arbor, MI*

Web site: <http://www.math.lsa.umich.edu/mmss>

Program in Mathematics for Young Scientists (PROMYS)

Location: Boston University, *Boston, MA*

Web site: <http://www.promys.org>

Puerto Rico Opportunities for Talented Students in Mathematics

(PROTaSM)

Location: University of Puerto Rico, Mayaguez, *Mayaguez, PR*

Web site: <http://ifem.math.uprm.edu>

Research Science Institute (RSI)

Location: Massachusetts Institute of Technology, *Cambridge, MA*

Web site: <http://www.cee.org>

Ross Mathematics Program

Location: Ohio State University, *Columbus, OH*

Web site: <http://www.math.ohio-state.edu/ross/>

Rutgers Young Scholars Program in Discrete Mathematics

Location: Rutgers University-New Brunswick, *Piscataway, NJ*

Web site: <http://dimacs.rutgers.edu/ysp/>

Science and Engineering Apprenticeship Program (SEAP)

Location: Various locations (see web site)

Web site: <http://www.gwseap.net/seap.asp>

SMaRT Camp (Summer Mathematics Research Training)

Location: Texas A&M University, *College Station, TX*

Web site: <http://www.math.tamu.edu/outreach/Camp/>

Stanford University Mathematics Camp (SUMaC)

Location: Stanford University, *Stanford, CA*

Web site: <http://math.stanford.edu/sumac>

Stony Brook Mathematics Camp

Location: State University of New York (SUNY) at Stony Brook, *Stony Brook, NY*

Web site:

<http://www.stonybrook.edu/cesame/students/MathCamp/mathcamphs.shtml>

Students in Mathematics and Training Research (SMART)

Location: Hampton University, *Hampton, VA*

Web site: none

Summer Explorations and Research Collaborations for High School Women (SEARCH)

Location: Mount Holyoke College, *South Hadley, MA*

Web site: <http://www.mtholyoke.edu/proj/search/>

Summer Institute for Mathematics at the University of Washington (SIMUW)

Location: University of Washington, *Seattle, WA*

Web site: <http://www.math.washington.edu/~simuw>

SummerMath

Location: Mount Holyoke College, *South Hadley, MA*

Web site: <http://www.mtholyoke.edu/proj/summermath/>

Summer Math Institute

Location: *University of North Texas, Denton, TX*

Web site: <http://www.tams.unt.edu/academics/smi/SMI2009.shtml>

Summer Mathematics Institute

Location: Oakland University, *Rochester, MI*

Web site: <http://www.math.oakland.edu/ousmi.html>

Summer Mathematics Program for High School Students

Location: University of Utah, *Salt Lake City, UT*

Web site: <http://www.math.utah.edu/hsp>

Texas State University Honors Summer Math Camp

Location: Texas State University, *San Marcos, TX*

Web site: <http://www.txstate.edu/mathworks>

UCLA Mathematics Institute for Young Scholars

Location: University of California, Los Angeles, *Los Angeles, CA*

Web site: <http://www.curtiscenter.math.ucla.edu/k12.html>

UConn Mentor Connection

Location: University of Connecticut, *Storrs, CT*

Web site: <http://www.gifted.uconn.edu/mentor/>

Women in Mathematics - SWIM Princeton

Location: Princeton University, *Princeton, NJ*

Web site: <http://www.math.princeton.edu/SWIM>