

Research Opportunities at Other Universities and Chemical/Pharmaceutical Companies

There are many opportunities to conduct summer research at large universities. The programs listed below grant students from smaller colleges access to programs with state-of-the-art instrumentation and labs in a typical academic research environment. A typical academic lab will consist of a professor (or principal investigator, PI), post-doctoral fellows (scientists with Ph.D.'s), graduate students, undergraduate students, and in some cases research technicians (scientists with B.S.'s).

Please note that many of these programs have deadlines in December or January for positions the following summer. Make sure that you ask your professors for letters of recommendation well in advance.

Below is a list of programs and the corresponding websites loaded with information:

1. Hauptman Woodward Institute (Buffalo, NY): Learn about X-ray crystallography!
<http://www.hwi.buffalo.edu/index.html>
Paid positions
2. Roswell Park Cancer Institute (Buffalo, NY)
http://www.roswellpark.org/Education/Summer_Programs
They also have an REU program through the National Cancer Institute (see #3). Paid positions.
3. National Science Foundation (NSF) Research Experiences for Undergraduates (REU)
http://www.nsf.gov/crssprgm/reu/reu_search.cfm
The NSF web site has a searchable database of all REU programs and colleges (by research interest). These are paid positions and usually include free room and board.
4. International Research Experiences for Undergraduates (IREU)
http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PP_SUPERARTICLE&node_id=2216&use_sec=false&sec_url_var=region1&uuid=84e66f90-fb5a-4bc1-a052-e051bece7f1a
Paid positions.

There are also research opportunities and chemical and pharmaceutical companies. Lists of these opportunities are available at the following web sites:

1. Undergraduate Chemistry Research Opportunities (list provided by ACS)
http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PP_ARTICLEMAIN&node_id=2213&content_id=WPCP_011205&use_sec=true&sec_url_var=region1&uuid=1770234f-a6d7-4340-9bae-7f049af571ce
Paid positions.

2. Internships & Fellowships (list provided by ACS)
http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PP_ARTICLEMAIN&node_id=1522&content_id=WPCP_011206&use_sec=true&sec_url_var=region1&uuid=a8379ea6-29da-4cab-9d30-b0f38427eb7c
3. Summer Jobs (list provided by ACS)
http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PP_ARTICLEMAIN&node_id=1522&content_id=WPCP_011204&use_sec=true&sec_url_var=region1&uuid=2927bf62-bea0-4cd6-9420-e9afe44dd5f5
4. Cooperative Education Opportunities (Co-ops; list provided by ACS)
http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PP_ARTICLEMAIN&node_id=1522&content_id=WPCP_011203&use_sec=true&sec_url_var=region1&uuid=f5cd0e5f-5e6e-41f4-bea2-2c1be04850f1
5. CIRRUS (Chemistry Internet Resource for Research by Undergraduate Students)
<http://cirrus.chem.plu.edu/>
6. Undergraduate Research Opportunities Program (UROP)
http://www.urop.uci.edu/opportunities/frame_offcampus.html