



## Society for Analytical Chemists of Pittsburgh

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### **SACP SUMMER INTERNSHIP PROGRAM**

The Society for Analytical Chemists of Pittsburgh (SACP) will sponsor *three* internships during the summer of 2015. Locations for these internships are at the Carnegie Science Center, Bayer MaterialScience, and Reaxis. Students with majors in chemistry, chemistry education or biochemistry, who will be seniors in the fall of 2015 are eligible to apply for this program. Recent chemistry major graduates who plan to pursue graduate studies in the fall of 2015 may also apply.

Attached is a brief description of the work that the students will perform during their internships. The internships are for ~10 weeks, with a summer stipend of \$3000 for each location.

All applicants must submit an electronic application packet to the 2015 SACP Summer Internship Program Chair, Fu-mei C. Lin, at: [linm@pittcon.org](mailto:linm@pittcon.org). The packet should include: (1) a current resume, (2) a letter of recommendation from your chemistry professor and/or chemistry advisor, and (3) a current transcript (does not have to be official).

For the Carnegie Science Center, you must also submit an application directly to *the Carnegie Science Center* by visiting their website [www.carnegiemuseums.org/hr](http://www.carnegiemuseums.org/hr) to create a profile and upload your resume. You can do so by clicking on Search Jobs. Then click Login. There you should complete the section titled Create a New User Account. The Job position is #841. For further questions, please contact Ms. Amanda Lwaniec. Her e-mail address is [iwanieca@carnegiesciencecenter.org](mailto:iwanieca@carnegiesciencecenter.org)

### **The application deadline for these positions is Thursday, April 30, 2015**

Any questions regarding this program should be directed to the 2015 SACP Summer Internship Program Chair:

Fu-mei C. Lin, Ph.D.

Email: [linm@pittcon.org](mailto:linm@pittcon.org)

Phone: 412-731-0620 (Home) 412-512-7886 (Cell)

## **Summer Internship Position at the Carnegie Science Center**

This chemistry internship at Carnegie Science Center provides the opportunity for students of chemistry to demonstrate their excitement for science while honing interpersonal and public speaking skills. This internship is ideal for a student of chemistry who may be considering science education as a career.

Responsibilities include:

- Presenting science demonstrations to visitors of various ages in the Science Theaters and exhibit galleries; preparing the materials, conducting the activities with visitors.
- Supervising and maintaining the chemistry prep room; maintain inventory of chemical supply.
- Assisting presenters in preparing chemicals, props, equipment, and supplies for science demonstration programs.
- Conducting research in preparation for future science demonstration programs; must prepare a final report and submit to Carnegie Science Center and Internship Advisor.
- Mastering the presentation of three or more large-audience science demonstration programs.
- Upholding our commitment to customer service, the Science Center's mission to provide science education and inspiration, and the Science Center's commitment to respecting diversity.

## **Summer Internship Position at Bayer MaterialScience**

The SACP Summer Intern at Bayer will work in the Material Characterization Organization, which includes the Polymer Analytic Group, the Polymer Physics Group and the Environmental Analytics Group. This opportunity will be located in Bayer MaterialScience's Pittsburgh, PA location.

The incumbent will contribute to the characterization of a variety of polymeric materials employing spectroscopic and separations measures of a material's properties. They should be proficient in MS Office (Word, Excel, Power Point), have good written and verbal communication skills.

The selected candidate is required to possess the following:

- Pursuing a bachelor's degree in Chemistry or biochemistry;
- Preferably some laboratory experience;
- Preferably have completed course work in quantitative analysis and organic chemistry including associated laboratory course work.

## Summer Internship Position at Reaxis

### Responsibilities:

- Train in multiple areas of an industrial chemical company including, but not limited to:
  - quality control testing of current production
    - ex. titrimetry, turbidity, viscosity, refractive index, and chloride analyses
  - validation of current and new analytical methods
  - synthesis of new products
  - testing of products in a variety of applications
  - completing scale-up reactions and process optimization of products being moved through the pilot lab from R&D into plant production
- Maintain inventory of chemicals and stock solutions
- Assist with sample preparations for customers and prospects

### Requirements, Skills and Experience

- Experience working collaboratively with technical associates in a laboratory setting
- Hands-on experience working with chemicals, basic laboratory glassware, and instrumentation – organometallic experience is a plus
- Excellent written and verbal communication skills
- Good proficiency with Microsoft Office programs
- Self-transportation to and from the Reaxis work locations
  - Main location is in McDonald with a secondary production and lab facility at UPARC in Harmar