



Society for Analytical Chemists of Pittsburgh

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SACP 2018 SUMMER INTERNSHIP PROGRAM

The Society for Analytical Chemists of Pittsburgh (SACP) will sponsor *three* internships during the summer of 2018. Locations for these internships are: Carnegie Science Center (two positions) and Reaxis (one position). Students with majors in chemistry, chemistry education or biochemistry, who will be seniors in the fall of 2018 are eligible to apply for this program. Recent graduates who plan to pursue post-graduate studies in the fall of 2018 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 \$4000 from SACP for each position.

All applicants must submit an electronic application packet to the locations of the applicant's interest and to the SACP Administrative Assistant, Ms. Amy Bovino at bovino@pittcon.org or at 412-825-3220 ext 212.

The contact person for the Carnegie Science Center* is Ms. Amanda Iwaniec at iwanieca@carnegiesciencenter.org or at 412-237-1818.

The contact person for the Reaxis is Dr. Edmund Yeh at edmund.yeh@reaxis.com or at 412-517-6084,

The application packet should include: (1) a current resume, (2) a letter of recommendation from your professor and/or advisor in the subject that you are majoring, 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 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 two job positions are same number of 1364 Chemistry Intern for the SACP positions at the Carnegie Science Center.

For further questions, please contact Ms. Amanda Iwaniec.

The application deadline for these positions is Friday, April 21, 2018

Any questions regarding this program should be directed to the 2018 SACP Summer Internship Program Chair:

Fu-mei C. Lin
Email: linm@pittcon.org
724-776-8102 (H)
412-512-7886 (Cell)

Summer Internship Positions at the Carnegie Science Center

POSITION TITLE

#1560 Chemistry Intern for the two SACP positions at the Carnegie Science Center.

COMPONENT & DEPARTMENT

Carnegie Science Center

PRIMARY FUNCTION

This chemistry internship at Carnegie Science Center is a truly unique experience. It 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.

QUALIFICATIONS

EDUCATION & EXPERIENCE: Eligible Senior Chemistry Majors

KNOWLEDGE, SKILLS, ABILITIES: PARAMETERS:

- Not responsible for administering first aid or CPR
- Must attend all staff trainings as scheduled
- Must demonstrate proficiency in all areas before working independently including cryogenics and flammables.

HOURS: approx. 30 hours per week, including one weekend day. Occasional evenings.

PHYSICAL REQUIREMENTS:

REPORTING TO

Technical and Education Manager, Demonstration Theaters

DIRECT REPORTS

N/A

PRINCIPAL ACCOUNTABILITIES

- 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, our mission to provide science education and inspiration, and our commitment to respecting diversity.

***EXPLANATION OF ESSENTIAL FUNCTIONS:**

The Americans with Disabilities Act 1990 (ADA) requires employers to consider the essential functions of a job in evaluations and applicant's qualifications. An essential function is any task which is a basic, necessary and integral part of the job. In addition, when considering essentiality, one must focus upon whether the function is essential to this particular job and not to the department as a whole. Further distinctions between essential vs. non-essential functions are the following:

A. Are the functions required to be performed on a regular basis? If the functions are rarely performed, they may not be essential.

B. Is the function highly specialized? The need for special expertise is an indication of an essential function.

NON-ESSENTIAL FUNCTIONS:

Functions that a peripheral, incidental or minimal part of the job are considered non-essential. Further points to consider:

A. Would removing the function fundamentally change the job? If not, the function is non-essential.

B. Are there other employees available to perform the function? If it is feasible to redistribute the work, the function may be non-essential.

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 our UPARC facility in Harmar