

From: "Richardson, Karen (DAS) (L.)" <Karen.Richardson@dow.com>
Subject: Dow AgroSciences 2014 R&D Summer Intern Program
Date: October 1, 2013 8:52:46 AM EDT
To: "curran@pitt.edu" <curran@pitt.edu>

Dear Dr. Curran,

Nakyen Choy, an employee of Dow AgroSciences, suggested that you would be a great contact to share our intern information with. The internship is a fantastic growth opportunity for undergraduate students, and is well-paid (commensurate with year in school and any relevant research experience). Our R&D intern program has been growing steadily, and we are hoping to receive more internship applications from undergraduate science majors at University of Pittsburgh. We would be grateful for any assistance you could provide us toward achieving this goal.

I would like to invite your students to apply to our R&D Summer Intern Program at Dow AgroSciences (<http://www.dowagro.com/careers/internships/lab.htm>). R&D internships are available in several **chemistry, biology and computer science** related disciplines, including, but not limited to, biochemistry, molecular biology, cell biology, microbiology, plant breeding, organic chemistry, analytical chemistry, physical chemistry, surface chemistry, engineering (chemical, biological, material, or optical) and informatics (bio and chem). R&D opportunities include both laboratory-based and field station research positions. Positions for field station research are located throughout the U.S., whereas the laboratory-based R&D positions are located at our headquarters in Indianapolis, Indiana or our facility in Portland, Oregon. This is a paid internship (salary is based on year completed in school and any relevant experience), expecting 40 hour/week work schedules for 10-12 weeks during the summer months. Housing is significantly subsidized and provided to any student whose permanent address is greater than 50 miles from our site. Attached is our brochure; please feel free to print it out, post it, or distribute it to your students as you deem appropriate.

Please encourage your students to submit an electronic resume and cover letter as one document via email to karen.richardson@dow.com no later than December 31, 2013. If you have any questions, please feel free to contact me via email at karen.richardson@dow.com

Thank you so much for your time.

Karen Richardson

R&D Summer Intern Program Admin Dow AgroSciences
Phone: (317) 337.4959
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CONTACT INFORMATION

To apply for an internship at Dow AgroSciences, please submit your resume, which includes your current overall GPA, and a cover letter in one document. Be sure to specify your interest in the intern program and your preference for R&D laboratory-based positions or field R&D positions. Resumes are accepted from October 1 through December 31 for the following year's internships and should be sent electronically to:

Karen Richardson
(karen.richardson@dow.com)

For more information about Dow AgroSciences, please visit our website at:
www.dowagro.com

For more information about the R&D Summer Intern Program, please visit:
<http://www.dowagro.com/careers/internships/>



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Dow AgroSciences

Summer Internship Opportunities





Dow AgroSciences

Dow AgroSciences is one of the largest research based agricultural companies in North America. We research, develop, manufacture, and market agricultural and specialty products. Our portfolio consists of weed, insect, and plant disease management products, nitrogen stabilizers, plant growth regulators, fumigants, seeds, and industrial non-crop pest management products. Dow AgroSciences is a wholly owned subsidiary of The Dow Chemical Company. Our world headquarters is located in Indianapolis, Indiana.

RESEARCH AND DEVELOPMENT SUMMER INTERN OPPORTUNITIES

Dow AgroSciences has positions available for students seeking summer internship opportunities. These opportunities are full-time positions starting in May and ending in August. Applicable majors would include:

- Biology (biochemistry, biotechnology, cell biology, entomology, microbiology, molecular biology, plant pathology, plant breeding or plant physiology)
- Chemistry (analytical, colloidal, material, organic, physical, or surface)
- Informatics (bioinformatics or chemical)
- Food sciences
- Engineering (biological, chemical, computer, electrical, material, mechanical or agricultural)
- Molecular modeling
- Any agriculture-related majors

R&D opportunities include both laboratory-based and field station research positions. Positions for field station research are located throughout the U.S., whereas the laboratory-based R&D positions are located at our headquarters in Indianapolis, Indiana and Portland, Oregon.

JOB DESCRIPTIONS

Research and Development: The R&D intern program provides an opportunity for students to work closely with a senior scientist in order to improve technical skills while being given a developmental opportunity in an industrial setting. It is desirable that the intern have past practical experience in handling chemicals, operating laboratory equipment, generating and manipulating data, as well as relevant computer skills. Interns are encouraged to be creative and take initiative, where appropriate, and will be granted significant latitude for discretionary decisions and independence of action within guidelines established by their supervisor. Interns are expected to always operate in a safe and efficient manner.

Qualified interns should be pursuing an undergraduate or graduate degree in biology, chemistry, informatics, engineering or closely related majors. Students having completed at least their junior year are preferred, but not required. A chemistry intern candidate having a working knowledge of organic synthesis and/or experience with modern chromatographic techniques is highly desirable. For a biology intern, it would be advantageous to have a working knowledge of their area of study. Interns will be part of a team responsible for the development of novel agricultural products. Good interpersonal, communication, organizational, teamwork and time management skills are essential.

Primary responsibilities:

- Review and research project background and status with mentor
- Become proficient in laboratory and/or greenhouse experiments or biochemical assays to characterize experimental, developmental, and commercial herbicides, insecticides, fungicides, and products of biotechnology
- Participate in all phases of research including planning, preparation, calibration, application, evaluation, and analysis
 - Design and conduct experiments, with mentorship guidance, within a defined project
- Make novel observations
- Collect and interpret data



- Draw sound scientific conclusions based on data analysis. The results of these studies, and the conclusions generated, will impact research plans and advancement decisions on the experimental materials
- Present project reviews before colleagues and peers