

# 2012 Student Leadership Awards Application Form

Please complete all fields and e-mail this form to [undergrad@acs.org](mailto:undergrad@acs.org) (include "2012 Leadership Awards" in the subject line) or FAX to 202-872-8068. All paid student members who have completed at least one year of undergraduate studies in the chemical sciences and have held elective office in an active student chapter are eligible to apply. Preference will be given to sophomores and juniors.

**All applications must be received by October 26, 2011**

1. Full Name:	Kortney Rupp
2. Email Address:	Krupp @ monmouthcollege .edu
3. SSN:	483-17-7801
4. Mailing Address:	522 E. Broadway Apt A Monmouth IL 61462
5. Telephone:	(563) 505-3293
6. Fax:	—
7. Institution name:	Monmouth College
8. Faculty Advisor /email	Audra Sostarecz Asostarecz @ monmouthcollege .edu
9. ACS Student Member Number:	30181309
10. Expected Graduation Date:	May 2013

Kortney Rupp  
Applicant Signature

10/17/2011  
Date

Audra Sostarecz  
Faculty Advisor Signature

10/21/2011  
Date

**To Ms. Bakowski:**

I am submitting this cover letter along with my application, resume and letter of reference to be considered for a Leadership Award through the American Chemical Society. I currently hold the secretary position as well as plan on running for president of my chapter for my senior year, next year. I see receiving this award as the foundation for my lifelong pursuit of involvement within the ACS. I like to think of myself as a strong leader. My leadership skills do not necessarily come from a traditional upbringing. I have led a difficult life one in which I have taken care of myself since the age of 16 as well as funded my own education in Chemistry. I have maintained several full-time positions often at the management level. More recently my mother suddenly passed away leaving me to organize her affairs as well as take on the responsibility of my young sister. I have been through more than most people can say they have at the age of twenty-three but I like to think of the experiences that I have had as being difficult yet excellent preparation to live a very successful life. I have been involved with the American Chemical Society for almost a year and have very much enjoyed being a part of the organization. I see myself attending meetings, running for offices at the national level and speaking at conferences for the rest of my life. I think attending the institute in Texas would be an excellent way to introduce myself to the inner-workings of an organization I highly respect. I would truly appreciate any opportunity to be surrounded by other individuals like myself who love and respect science and want to see real progress. One of the things I am hoping to gain from this experience is to understand how large ACS chapters keep their attendance high over an entire year. Another is to get new and exciting demonstration ideas as well as share some of our favorites. One of the things that my strengths are lacking in is my inability to delegate tasks effectively. I am always so concerned about getting things done correctly and thoroughly that I often forget to allow people around me to help. I would like to get experience from this institute to give the section of the American Chemical Society at Monmouth College a new identity that allows us to relate to all kinds of students as well as prepare the students in the science majors for a successful field in their industry. When I leave for graduate school next May I want to walk away knowing that my undergraduate institution has a happy and healthy ACS.

**Kortney K Rupp**  
[krupp@monmouthcollege.edu](mailto:krupp@monmouthcollege.edu)  
563-505-3293

**Home**  
522 East Broadway Apt A  
Monmouth, IL 61462

**Objective:** Obtain a Student Leadership Award to travel and participate in the 2011 Leadership Institute. Being able to attend would allow me to gain leadership skills specific to increasing the success of my local section of the American Chemical Society. I would also be able to get valuable insight from other members from colleges across the country about what strategies they use to promote chemistry on campus.

**Education:** **Biochemistry/ Chemistry (with ACS Certification)** **May 2013**  
Monmouth College, Monmouth, Illinois

**Relevant Coursework:**

General Chemistry	Cell Biology	Advanced Analytical Chemistry
Calculus I	Organic Chemistry I	
Analytical Chemistry	Research	

**Experience:** **Summer Research/ Continuing Research** **May 2011 - Present**  
Monmouth College, Monmouth, Illinois

- Work with the cell membrane by use of the Kibron Microtrough/ Langmuir Blodgett Technique
- Look at interactions of common painkillers overall effect on the cellular membrane in relation to drug-induced liver disease
- Working with Colorado State University studying the interaction of anti-diabetic vanadium compounds with different types of lipids.
- Maintained all aspects of lab equipment, software and procedures.

**Teaching Assistant/ Laboratory Assistant** **August 2011 - Present**  
Monmouth College, Monmouth, Illinois

- Biology Course: Life on Earth
- Chemistry Course: Forensics
- Chemistry Course: Analytical Chemistry (Spring 2012)

**Leadership/Awards:**

**Awards:**

American Chemical Society Secretary 2011-2012  
Undergraduate Award in Analytical Chemistry

**Skills:**

Highly organized and motivated.  
Committed and creative.  
Thorough and progressive.  
Able to react well under pressure.  
Able to handle many tasks at once.  
Always willing to learn.





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Department of  
Chemistry

October 24, 2011

American Chemical Society  
Attn: Nancy Bakowski  
1155 Sixteenth Street, NW  
Washington, DC 20036

Members of the Selection Committee:

I highly recommend Kortney Rupp for a 2012 ACS Leadership Award. Currently a junior at Monmouth College majoring in Chemistry, Kortney is an exceptional student. Kortney is highly involved in both academics, doing undergraduate research, and co-curricular activities, including women's tennis and the Monmouth College Chapter of the American Chemical Society (MC-ACS). A proud Chemistry major, Kortney is currently the Secretary of the MC-ACS and participates in demonstrations at the local schools.

I have known Kortney since the spring 2011 semester but I feel as if I have known her for her entire academic career. Even though Kortney was late to start her Chemistry major, since starting, she has immersed herself into the department, both with faculty and students. When I first met Kortney, she was taking my Quantitative Analysis course. The first thing I noticed was her take-charge attitude. She was quick to get help when needed or to give help to fellow students. The lab portion of this course has a student-proposed group project at the end of the semester and Kortney went above and beyond what was expected. Her project involved testing the sodium content of fast-food versus the cafeteria food using Atomic Absorption. Currently, Kortney is enrolled in my Advanced Analytical Chemistry class and corresponding lab. The lab involves integrating Organic Chemistry with Instrumental Analysis in student-proposed projects. The students write proposals and research articles which they then peer-review. Kortney, once again, is showing leadership in both the writing and the implementing of the project.

Kortney is a joy to have in the classroom. She is an engaging, truly interested, and exceptionally bright student. I can say, without reservation, that Kortney understands the material that she learns in class. Far too often, students receive high grades due to memorization and this is certainly not the case with Kortney. Due to Kortney's comprehension of chemistry principles and her leadership skills, I have asked her to be the lab teaching assistant for the Quantitative Analysis course in the Spring 2012 semester.

Kortney is also one of my research students. She is currently working on a project involving the use of Langmuir monolayers to investigate the molecular interactions between insulin-enhancing compounds and cell membranes along with the investigation of drug-induced liver disease. When Kortney began this research in the summer as a selected REU participant, I was amazed at her independence. Many times, I didn't even know that she came into lab until the end of the day when she showed me her results or when we would have engaging conversations about her data. Kortney also traveled with me to Colorado State University for a week this past summer to work with my collaborator's research students. She gave two presentations while there and also taught the graduate students how to use the Langmuir monolayer technique. Kortney is very confident in her abilities.

American Chemical Society  
Attn: Nancy Bakowski  
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Kortney Rupp would be a positive asset to your leadership program. Kortney is the student that we, as teachers, love to teach and more importantly love to discuss scientific topics with. She asks questions due to pure interest and curiosity and she is genuinely concerned with comprehending the material. I have no doubt that Kortney would be an active participant in your program and that she would only become more of a leader because of her participation in it. I, therefore, strongly support Kortney Rupp's acceptance into the 2012 ACS Leadership Institute.

Sincerely,

A handwritten signature in cursive script, appearing to read "Audra Goach Sostarecz".

Audra Goach Sostarecz, Ph.D.  
Assistant Professor of Chemistry  
Monmouth College