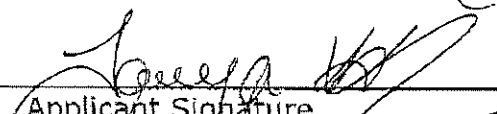
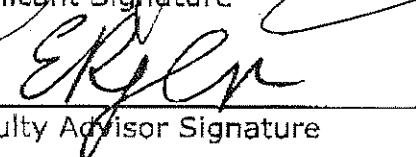


2012 Student Leadership Awards Application Form

Please complete all fields and e-mail this form to 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:	Tanya Tae Kelley
2. Email Address:	tkelley6@faw.edu
3. SSN:	1051-03-3635
4. Mailing Address:	2772 NE 3rd St Pompano Beach, FL 33062
5. Telephone:	954 531 9793
6. Fax:	561 297 3819
7. Institution name:	Florida Atlantic University
8. Faculty Advisor /email	Evonne Rezler erezler@faw.edu
9. ACS Student Member Number:	30199407
10. Expected Graduation Date:	Spring 2012


 Applicant Signature

 Faculty Advisor Signature

10/25/11
Date

10/26/11
Date

10/26/2011 14:11

Curriculum Vitae of Tanya T. Kelley

Education

Florida Atlantic University, Boca Raton, FL
Graduation expected April 2012, B.S. Chemistry *cum laude*
G.P.A: 3.56

Pompano Beach High School (2006), Pompano Beach, FL
G.P.A 3.4

Research Experience

Undergraduate Researcher, Dr. Daniel de Lill's Research Group, September 2010- present

Directed Independent Study, Dr. Frank Mari's research Group, Florida Atlantic University,
November 2008- February 2009

Directed Independent Study, Dr. Kerry Bernstein, University of Miami Miller School of Medicine,
September 2005- December 2006

Leadership Experience

President of ACS Student Chapter, April 2011- present

Night Manager at TJ Murphy's Bar and Grille, December 2007- October 2011

Head of Lanthanide Luminescence of GW Metal-Organic Framework 6, January 2011- June 2011

Vice President of ACS Student Chapter, December 2010- April 2010

Owned and managed Modernesque Modern Dance, August 2008- December 2010

Honors and Awards

Student Chapter received Commendable Chapter award, 2011

F.A.U. Undergraduate Research Grant, April 2011

Publications and Presentations

A.L. Ramirez, T. T. Kelley, K. E. Knope, N. E. Greig, D. T. de Lill, "Structure and luminescence of 2-dimensional coordination polymers of lanthanide(III) ions with 2,3-pyridinecarboxylic acid." *Dalton Transactions*, In preparation, submission expected November 2011

Presented poster at F.A.U. Undergraduate Research Symposium on Luminescence of GWMOF-6, April, 2011

Will present poster at F.A.U. Chemistry Research Symposium on Luminescence of GWMOF-6, November, 2011

Currently, I hold the office of president in an ACS commendable student chapter of The Chemistry Club at Florida Atlantic University. Previous to this, I was vice president from December 2010 until my election as president in April 2011, but have been an active member since January of 2008. I have also head two undergraduate research projects under the direction of Dr. Daniel de Lill, and managed a modern dance troupe during my years as an undergraduate at F.A.U.

The role in which I've learned the most about leadership has definitely been during my presidency with The Chemistry Club. Our chapter is large with over a 100 members currently enrolled and accommodation of so many different personalities and conflicting schedules has been a challenge. One skill which I feel has strengthened the most during my time in office is communication. In previous years, communication within the chapter was minimal and many projects failed as a result. My number one priority as president was to enhance dialogue between the chapter members and the executive board to further our efforts while creating a community feel. Since then, I feel strongly that my communication skills have developed dramatically, and because of such, the communication skills of other chapter members and the executive board have also been strengthened. We have double member rates from previous years, created a family environment within the department and constructed volunteer service programs targeted towards children to incite the love of Chemistry at an early age. All of which could not have happened without proper communication between the executive board and chapter members.

Another skill which I feel was developed due to my involvement with the chapter was delegation of duties. In previous leadership roles, I have chosen to perform most tasks myself as I felt that it was often easier to do a job myself instead of relying on others. However, because of the immense effort that must be applied in order to keep the club functioning, I have been forced to delegate responsibilities among the executive board and chapter members. By doing such, I have learned to assign appropriate tasks to suitable persons and have thus enhanced the efforts of the club. Delegation of responsibilities has become a very important tool which not only enhances our accomplishments, but also keeps chapter members highly involved.

During my time studying under Dr. Daniel de Lill, I have had two projects as an undergraduate, and been involved in undergraduate research with his group since fall of 2010. While working on Luminescence of GW Metal-Organic Framework 6, I was responsible not only for my research, but also for another undergraduate's progression. This experience was invaluable to my future in graduate school as I had to explain synthesis, spectroscopy techniques and various software programs to a student who had a limited background. During this time, I learned a great deal about the importance of creativity and integrity in leadership. Because of the student's limited understanding of rather complex topics, I had to become creative in my approaches of teaching while also developing skills to correct the student without making him feel as if he failed.

Lastly, I owned, produced and managed a modern dance troupe which was highly successful between August 2008 and December 2010. During this time I learned how to effectively deal with toxic personalities that hinder group progression. This skill was difficult for me to master because of the friendships I had formed with the performers, but it was absolutely necessary for me to learn how to be assertive when needed.

I would like to develop time-management and networking skills further as I feel that both of these are key to leadership. While I am already efficient, I have never been exposed to proper

techniques for time management and I would greatly benefit from such. I'm currently enrolled in 15 credits, conduct undergraduate research, run the F.A.U. Chemistry Club and work a full-time job. All of which often becomes overwhelming and with instruction in using my time to its fullest extent, I would be able to accomplish more of my goals in the chapter. Networking is another area which I feel I am weak in. My view, at the moment, of how to run the chapter is very one-sided because of the lack of other chapters, and research institutions within the area. I'm aware that I should be contacting other chapters and institutions, even those out of state, but I'm unaware of how to do such. By developing my networking skills, I know that I would be able to gain outside perspectives to help strengthen my chapter, and possibly gain new and exciting opportunities for the members. Lastly, I would like to see the volunteer programs other chapters have started within their communities so that I may enhance ours.



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American Chemical Society
Attn: Nancy Bakowski
1155 Sixteenth Street, NW
Washington, DC 20036
10-18-11

Dear Dr. Bakowski,

I am writing to nominate Ms. Tanya Kelley for the 2012 Student Leadership Award. Tanya is the current President (since the start of Summer 2011) of the Florida Atlantic University (FAU) Chemistry Club (<http://www.science.fau.edu/chemistry/faculty/FAU%20Chemistry%20Club/index.htm>). In my opinion she is our most active and effective president since the Club's re-establishment in Fall 2008, and I must mention that this is no easy feat as Tanya does follow in the footsteps of some very active and excellent Chemistry Club Presidential predecessors at FAU! Tanya's leadership accomplishments have been numerous in the short time she has been in office. She is directly responsible for re-activating the ACS student chapter status for the Club and has worked tirelessly with her Executive to promote the Club to both graduate and undergraduate science students at FAU. Her efforts have been so successful that currently, and for the first time since the re-establishment of the Club, our student membership exceeds 100! Additionally, we have record numbers of graduate chemistry students joining the Club due to her recruiting efforts.

Earlier this year, within days after being elected President, Tanya and her Executive prepared and submitted an American Chemical Society (ACS) student chapter activity report to the ACS. This report has earned our student chapter a Commendable Mention Award!

Tanya is currently working with me to institute an outreach program at a local school at the kindergarten through 2nd grade level. She has independently worked (on top of her demanding undergraduate course and research workloads) to make a detailed plan of chemistry and other science activities for the school children and she will be making a presentation to the Headmistress of the school in the near future. Her aims in this endeavor are to create and institute small and fun experiments for young children to excite them about learning chemistry and science.

Tanya is leading her Executive in the organization of the FAU Chemistry Club sponsored semi-annual Research Symposium next month. This Symposium will give both graduate and undergraduate student researchers in the Department of Chemistry and Biochemistry at FAU the opportunity to make poster presentation of their research work. The FAU Chemistry Club will pay for student poster preparation expenses and prizes will be given to the best poster presentations in both the graduate and undergraduate student categories. Impressively, Tanya has also organized high profile researchers from SCRIPPS Florida and University of Miami as keynote speakers for the Symposium.

In addition, to the above activities Tanya is working on several other important on-going Club projects. She is organizing and training volunteers for the performance of a large-scale chemistry demonstration called the "ENTROPY BOOM" for the "FAU Pumpkin Drop" Physics Day on October 31st 2011. The dangerous nature of the experiment means that all volunteers must carry out an Environmental Health and Safety (EHS) training

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course and practice the experiment prior to performance. This has been one of the premier draw cards provided by the Chemistry Club, in addition to other fun chemistry activities, at previous "FAU Pumpkin Drop" Physics Days over the last three years (see the following link for photos from last year's chemistry events at Physics Day: <http://www.science.fau.edu/chemistry/faculty/FAU%20Chemistry%20Club/photos-pumpkin%20drop%202010.htm>).

She is also preparing her Executive and volunteers for involvement in the Science Olympiad at FAU in the Spring 2012 semester. Again, this is an event that our Club has had a high profile presence at since 2009 and which is important to our members to gain valuable (and fun) chemistry volunteering experience (please see photos from our previous participation in this event (in addition to other events) at the following link: <http://www.science.fau.edu/chemistry/faculty/FAU%20Chemistry%20Club/photos-SP09.htm>).

Tanya has also initiated, and is actually quite advanced in her organization and plans, for a special FAU Chemistry Club sponsored "Earth Day" carnival and chemistry demonstration event within the Charles E. Schmidt College of Science at FAU, for the Spring 2012 semester. One of the activities for that day is a fundraiser that Tanya and her Executive are planning where students will dye their lab coats different colors!

In my capacity as the FAU Chemistry Club Advisor I have been immensely impressed with Tanya. She is personable and delightful to talk to, research oriented, organized, driven and motivated and just a dream to work with. Any suggestions I make to her she makes them happen! But even more impressively, she comes up with a lot of amazing ideas and institutes events and Club activities in the most seamless and efficient way possible, with tremendous turn-outs. She also works her way through the FAU red-tape for student organizations with remarkable ease. Recently, (and to add to her list of accomplishments!) she conducted a couple of social FAU Chemistry Club gatherings to promote membership and student collegiality that were quite successful (and really are one of the reasons why membership is increasing so rapidly). The events in question were: a welcome back BBQ (~ 50 attendees) in September and a tailgate party last Saturday at the first FAU football game at the new FAU OWL Stadium on the Boca Raton campus (this time attendance exceeded 50!).

I strongly recommend Tanya for the ACS 2012 Student Leadership Award, she is most deserving and will go far in her career as a chemistry researcher. I wish her all the best. Please do not hesitate to contact me regarding this outstanding student via email or by phone (as listed below).

Sincerely,



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