

Local Section Innovative Project Grant (IPG) Application Form

Sponsoring Local Section:	Central Arkansas
Submission Date:	06/30/2015
Title of Project:	Five Section Demo Competition
Brief Description:	Innovative demo competition between student chapters in Central Arkansas, Northeast Texas, Dallas-Fort Worth, Baton Rouge, and San Antonio Local Sections. Student teams from each undergraduate student chapter will prepare a brief video of themselves performing an original demo. Prizes will be awarded at the LS level and a single overall winner will be determined by a joint section committee.
Name:	Sara E. Hubbard
Address:	410 Ouachita St Chemistry, box 3664 Arkadelphia, AR 71998
Tel:	870-245-5533
Email:	hubbards@obu.edu
Does the Section currently have an IPG?	No
If yes, indicate submission date:	
Name of Current Section Chair:	Grover P. Miller
Letter of Support from Local Section attached? (If the Section Chair is the Project Coordinator, a member of the Executive Committee must submit the support letter.)	Yes
Upload Local Section's letter of support here (acceptable formats: .pdf, .doc, .docx).	Central_Arkansas_support_letter_2015_IPG.pdf (337k)
Letter(s) of support from your co-sponsors attached?	Yes
Upload co-sponsor's letter(s) of support here (acceptable formats: .pdf, .doc, .docx).	support_letters_IPG_2015.pdf (1027k)
Which groups are co-sponsors?	Other ACS Local Section(s)
Specify partnership(s):	Northeast Texas Dallas/Ft. Worth San Antonio Baton Rouge

<p>What are the project's goals/objectives?</p>	<p>Our project has 3 major goals:</p> <ol style="list-style-type: none"> 1. Promote cooperation between local sections by developing a yearly competition. We hope to expand future competitions to include additional sections in the region. 2. Build repository of new demos on local section websites, available to student chapters, local sections, and teachers. 3. Increase student chapter more involvement in the participating local sections (Potential impact = 50+ students). This could lead to the creation of student chapters, or the revival of dormant student chapters, as the students work to research and develop an innovative project. We intend to offer representatives of the winning chapter travel aid to a regional meeting, which would also increase student involvement within the region.
<p>How is this project consistent with your local section's strategic plan?</p>	<p>Two of the Chair-Elect's goals directly relate to improving relationships with our student chapters and with the public:</p> <ol style="list-style-type: none"> 1. Develop a joint local section program that increases student chapter involvement within our sections. 2. Reinstate NCW activities this October. Coordinate with student chapters in local section. <p>This activity will allow us to increase the involvement of our student members (and through them, our members in academia) AND to provide information and aid to teachers in our local sections.</p>
<p>Justify how the project is innovative for your local section or a unique one-time opportunity.</p>	<p>All 5 of the local sections that propose to participate in this project are spread out across a wide area, including several rural areas. Meetings and events tend to have sparse attendance, and involvement in local section activities tends to be low due to the distances required for travel. This project will allow our sections to utilize the web as a resource to reach out to our student members as they participate in the competition, and also to our adult local section members as they serve on the planning and/or judging committees. Ultimately, we will also be able to have an impact on teachers and schools within our local section areas that we might not have otherwise interacted with as we share demo ideas with them through our online repository.</p>
<p>How will this project stimulate local section members to become and remain involved?</p>	<p>We believe that the sense of friendly competition between schools and sections will help our student members to become more interested and involved in our local section activities. Also, we hope that the comparative ease of participation will help encourage our members who are currently not attending meetings due to travel or time concerns to become a bit more active in the local sections. By participating in one activity, this may help them to slowly become more willing to be involved in other activities as well.</p>

<p>What is the project's plan of action? Please include probable date(s).</p>	<p>Fall 2015: Student groups or chapters form teams. Develop, perform, and record innovative demos.</p> <p>Jan. 2016: Demo videos are submitted to local sections, who select best demo in the section, awarding a trophy or plaque. The winning demonstration will be selected based upon innovation, scientific merit, safety, and entertainment.</p> <p>Mar. 2016: LS winner submitted to joint judging committee. Winner selected by April 2016.</p> <p>Oct. 2016: Representatives of winning team travel (funded) to SWRM in Galveston, TX. Present demo and experiences at meeting.</p>
<p>Identify target audience(s) and estimate the number of people to be reached. Estimate the number of members involved in organizing the project.</p>	<ol style="list-style-type: none"> 1. Organizers, judges ~ 3 members minimum per section (~15+ total) 2. Student groups or chapters within the Local Section ~ 4 per student chapter, ~ 3 participating chapters per section (~ 60 total) 3. High school teachers and their students ~ 20 per section if only 1 class in each section is reached (~100 total)
<p>How will IPG funding seed continuing events following the completion of this project?</p>	<p>We intend to make this competition a yearly event between our local sections, expanding to include other local sections within our region in future competitions.</p>
<p>Item:</p>	<p>Registration SWRM for winning team representatives</p>
<p>Expense:</p>	<p>200</p>
<p>Justification:</p>	<p>4 students, \$50 registration/student</p>
<p>Item:</p>	<p>Travel to SWRM for winning team</p>
<p>Expense:</p>	<p>1500</p>
<p>Justification:</p>	<p>4 students, up to \$375 per student for airfare</p>
<p>Item:</p>	<p>Hotel for SWRM for winning team</p>
<p>Expense:</p>	<p>700</p>
<p>Justification:</p>	<p>2 rooms for 2 nights at ~\$150/nt</p>
<p>Item:</p>	<p>Demo reimbursement, ~15 teams, up to \$30/team</p>
<p>Expense:</p>	<p>450</p>
<p>Justification:</p>	<p>Reimbursing all teams would allow increased involvement</p>
<p>Item:</p>	<p>Printing and mailing costs</p>
<p>Expense:</p>	<p>150</p>
<p>Justification:</p>	<p>Getting information to chapters and to local teachers</p>
<p>Item:</p>	
<p>Expense:</p>	
<p>Justification:</p>	

Additional funds requested from other sources:	300
Justification:	ACS nanogrant - Awards and trophies for LS winners
Project Total:	3300.00
Total Requested from LSAC:	3000.00
How do you plan to evaluate the success of your event?	The event will be considered successful if there are student groups or chapters who participate within each section and we are able to create a repository of their demos to share with local teachers.
What tools will you use to measure success of event (i.e., surveys)?	Surveys/evaluation forms will be distributed to student groups or chapters that participate in the competition and to members involved in the project in the planning/judging committees.
How will you use the data captured for future planning?	The results of the surveys will aid us as we modify and expand the program for future events.



UNIVERSITY OF ARKANSAS
FOR MEDICAL SCIENCES

Grover P. Miller, PhD,
Dept. Biochemistry and Molecular Biology
University of Arkansas for Medical Sciences
4301 West Markham Street, Slot 516
Little Rock, AR 72205
Tel. 501-526-6486
millergroverp@uams.edu

June 29, 2015

Sara Hubbard, PhD
Department of Chemistry
410 Ouachita St, Box 3664
Arkadelphia, AR 71998

Dear Sara,

As the Chair of the Central Arkansas Section, I enthusiastically support your effort to secure an Innovative Project Grant (IPG) for a demo competition across five local sections. During our Executive Committee meetings, we have discussed strategies over the years to engage our members in science and promote its positive role in our society. Your concept in the grant is a creative way to contribute to that long-term goal. Chemistry demonstrations make science accessible and exciting yet a friendly competition will also stimulates participation of our members and camaraderie among our neighboring Sections. The concept is to encourage student chapters to create and submit chemistry demonstrations as videos for a competition. On the local level, the effort would promote collaborations and creativity among chapter members. Our Section and others draw significant membership from academic institutions and thus this competition would build on our inherent strengths and foster future leaders to learn and teach the wonders of chemistry and in the process generate valuable resources for educators through web accessible videos. Moreover, our partner Sections in this effort would interact to share ideas and make personal connections. Personal and collaborative efforts are necessary to build on your concept and further impact the broader community.

The outcomes from your grant proposal would directly relate to your goals as Chair-Elect to develop programs that increase student chapter involvement and re-establish coordinate activities to honor National Chemistry Week. You've already secured an ACS nano-grant to fund awards for the best science demonstration videos as a first step in achieving the goals of this project. You clearly have the drive and leadership to make this happen. I hope that you are able expand your resources with an IPG and better realize the potential for your concept to stimulate our local chapters and neighboring Sections to work together and promote good science while having fun at the same time.

Sincerely,

A handwritten signature in black ink, appearing to read "Grover P. Miller".

Grover P. Miller, PhD
Associate Professor of Biochemistry and Molecular Biology



June 29, 2015

To whom this may concern:

This letter is to express our enthusiastic support for the Local Section Innovative Project Grant (IPG), being submitted by Sara Hubbard on behalf of Central Arkansas, East Texas, Dallas/Fort-Worth, San Antonio and Baton Rouge local sections. The East Texas Local Section views this grant as a way to stimulate more involvement by our students in a worthwhile educational opportunity, as well as to potentially create new student chapters of ACS. I look forward to working with Sara and the members of the other local sections to bring this project to fruition, and to continue this project in the future.

Sincerely,

A handwritten signature in black ink that reads 'Bruce A. Hathaway'.

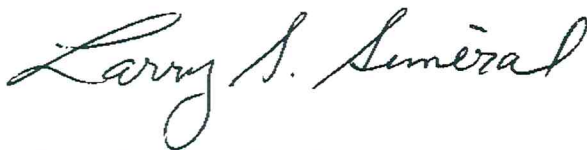
Bruce A. Hathaway
Chair-Elect, East Texas Local Section
Professor of Chemistry, LeTourneau University

June 29, 2015

To whom this may concern:

This letter expresses our enthusiastic support for the Local Section Innovative Project Grant (IPG), being submitted by Sara Hubbard on behalf of Central Arkansas, East Texas, Dallas/Fort-Worth, San Antonio and Baton Rouge local sections. The Baton Rouge Section views this grant as a way to stimulate involvement by our students in a worthwhile educational opportunity, and to potentially create new student chapters of ACS. We look forward to working with Sara and the members of the other local sections to successfully start this new project.

Sincerely,



Larry Simeral, Ph.D. - Chair-elect

Department of Chemistry
Louisiana State University
Baton Rouge, Louisiana



American Chemical Society
Dallas-Fort Worth Local Section

June 30, 2015

To: Local Section Activities Committee
Regarding: Innovative Project Grant

Dear LSAC IPG committee,

On behalf of the Dallas-Fort Worth Local Section I'd like to express our support to co-sponsor Sara Hubbard and the Central Arkansas local section's innovative project "Five Section Demo Competition." This project is particularly suited to the Dallas-Fort Worth local section as we have several universities with student chapters that are geographically far apart. This project will stimulate local section student member involvement and give them an opportunity to interact with more members of the involved local sections. This project provides an excellent opportunity for student chapters to have a forum to exchange demos and be recognized for their hard work. Furthermore, the project aligns with our local section's commitment to undergraduate education and community educational outreach. Our annual National Chemistry Week events involve 250+ volunteers and reach >4600 members of the community, so this project would support that endeavor by providing new demo ideas. The Dallas-Fort Worth section plans to be involved in this project through advertising, recruiting student chapters, judging the competition, and aiding in the development of the project as an ongoing annual event. Please let me know if you need any further supporting information from the Dallas-Fort Worth local section in support of this project.

Sincerely,

Erin Kate Walker

Erin Kate Walker, Ph.D.
2015 Past Chair
Dallas-Fort Worth Local Section
erinkatewalker@yahoo.com
(903) 288-0139
DFW ACS <http://acsdfw.org/>
New website (in transition): <http://dfw.sites.acs.org/>

The purpose of this note is to provide the whole hearted support of the San Antonio local section toward this proposed effort. San Antonio sees the need for this type of activity and intends to assist in the successful completion of this effort.

E. Robert Fanick, San Antonio local section Chair 2015

E. Robert Fanick
Manager - Emissions Chemistry Section
Diesel Engines and Emissions Research & Development Department
Engines, Emissions, and Vehicle Research Division
Automotive Engineering
Southwest Research Institute
6220 Culebra
San Antonio, TX 78238

Work - (210) 522-2653
Cell - (210) 467-8964
fax (210) 522-3950