

Local Section Innovative Project Grant (IPG) Application Form

Sponsoring Local Section:	Indiana
Submission Date:	06/30/2017
Title of Project:	Music and Chemistry in Perfect Harmony
Brief Description:	We are 'orchestrating' an event that harmonizes music and chemistry. Networking includes an expert's hands-on display of how musical instruments are made and other demonstrations while guests enjoy fine live music and refreshments. The main lecture event includes two speakers on music's effect on brain chemistry as it relates to education and the science and conservation of musical instruments.
Name:	Gregory Dale Smith, Event Chair
Address:	[REDACTED]
Tel:	[REDACTED]
Email:	[REDACTED]
Does the Section currently have an active IPG funded by LSAC?	Yes
If yes, indicate submission date:	11/16/2016
Name of Current Section Chair:	Tom Xiao
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).	Tom_Letter_of_Support_for_Music_and_Chemistry_Event.pdf (457k)
Letter(s) of support from your co-sponsors attached?	Yes
Upload co-sponsor's letter(s) of support here (acceptable formats: .pdf, .doc, .docx).	ISO_and_UIndy_Sponsorship_Letters.pdf (625k)
Which groups are co-sponsors?	External (non-ACS) Groups
Specify partnership(s):	Indianapolis Symphony Orchestra and University of Indianapolis are co-sponsors. University music & chemistry departments will be contributors et al.

<p>What are the project's goals/objectives?</p>	<p>We will contribute to the public's understanding of the diverse impact of chemistry – including in the humanities – while providing professional networking with colleagues and supporting the professional development of science teachers. Local section members can engage with culturally-aware community leaders through a chemistry-based common interest, the production and enjoyment of fine music and preservation of musical instruments. Of note is the program's emphasis on the interface between the Arts and Sciences with the theme "Music and Chemistry in Perfect Harmony". Our two lecturers will address ways in which chemistry supports the conservation of fine-quality musical instruments and neuroscientific research that demonstrates musical training's positive effects on brain development. This positive experience will encourage future collaborations between the local section and community cultural leaders while reaching out to a wider audience to show the diverse impact of chemistry.</p>
<p>How is this project consistent with your local section's strategic plan?</p>	<p>Our event is designed to engage the membership in a social setting with a theme that links chemistry to our cultural heritage. We will also communicate the power of the chemical sciences to members of the public who are culturally aware and engaged. It is therefore an opportunity to make important connections between the local section and the thought-leaders of the local community. This ties into our goal to foster engagement to retain/increase membership, volunteers, attendance, and leadership for LS activities. It also aligns with our goal to provide members with opportunities for networking, exchange of knowledge, and professional development which span the broader chemical fields.</p>
<p>Justify how the project is innovative for your local section or a unique one-time opportunity.</p>	<p>We celebrate the unexpected but amazing connections between chemistry & music through a collaboration with renowned presenters and the Indianapolis Symphony Orchestra under the leadership of Dr. Gregory Smith, Senior Conservation Scientist at the Indianapolis Museum of Art. Dr. Smith led exceptional programs for the LS in recent years, and his direction in those events activated our members & dazzled community participants. We have secured the Christel DeHaan Fine Arts Center at the University of Indianapolis through a partnership for the cost of the tech support. Dr. Catherine Oertel, Oberlin College, an organist herself, will speak about her studies on lead pipe organs, their degradation, and conservation. Dr. Lori Desaute, a neuroscientist at Butler University, will speak about brain chemistry related to music and learning. Our networking portion will include an expert's hands-on display of how musical instruments are made & other booths that combine chemistry and music enjoyment.</p>

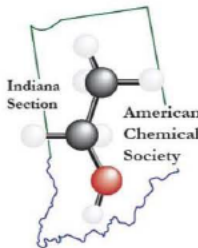
<p>How will this project stimulate local section members to become and remain involved?</p>	<p>Music can appeal to the entire local section membership and possibly attract new members. Our recent events linking chemistry and art conservation suggest attendance at this new event will be strong and that the conversations will be rich. A positive event that brings like-minded and engaged individuals together over a chemistry topic is highly likely to reinvigorate local section members. Furthermore, we anticipate that new collaborations between local section members and community music leaders will further invigorate the section and have an impact on local teachers.</p> <p>We will vigorously advertise other upcoming section events to a wide swathe of participants and at the event itself, reminding our membership and those in the community of our other innovative programming for the year.</p>
<p>What is the project's plan of action? Please include probable date(s).</p>	<p>On December 14th, 2017 from 5:30 to 9 PM, we hope to fill the Christel DeHaan Fine Arts Center with 150-200 people enjoying the commonalities between chemistry and music. Interested ACS members, venue-associated individuals, targeted audiences in the arts, teachers, students, and community members at large will pre-register through EventBrite. Appetizers and beverages will be provided to facilitate networking between chemists, musicians, educators, and community members. Two speakers will focus on the ways in which chemistry supports our enjoyment of fine music. The event will include expert's hands-on display of how musical instruments are made, booths, and orchestral examples by local musicians.</p> <p>Electronic and social media advertising to ACS and Indianapolis Symphony Orchestra memberships will commence upon confirmation of schedule and funding. Our section newsletter will advertise the event in early October and will initiate advertising to the public in late October 2017.</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>	<p>Nine members of the local section will be deeply involved in the planning for the project, with an additional 10-12 LS members involved in preparations, running the event, and concluding aspects of the project. Seven external volunteers have also agreed to assist with this program including volunteers from the Indianapolis Symphony Orchestra, the University of Indianapolis, Marian University, Butler University, and Illinois State University. We anticipate that approximately 75-100 local section members will attend, and hope to draw in at least 75 members of the community at large. Educators and key members of our cultural community will be personally invited to attend. While targeting ACS affiliates at local colleges and universities, we will also contact the music departments at these same schools to invite both students and faculty. Some Indiana instrument manufacturers will also be invited to participate. Excitement has been high, such that we will likely host a Part II in 2018.</p>

<p>How will IPG funding seed continuing events following the completion of this project?</p>	<p>The anticipated strong attendance and participation likely at this event is expected to lead to new and innovative collaborations between the local section and the thought-leaders of the Indianapolis cultural community. By associating chemistry with important shared experiences of the community, we will convey the chemistry enterprise in a positive light. Last year's 'Chemistry in Art' lecture event led to 6 additional lectures for our speaker at ACS local sections and universities. We already have more volunteer speakers than we can accommodate in one evening, so we intend to have a Part II in 2018 to accommodate its popularity.</p>
<p>If the spaces below are insufficient, you may also upload an itemized budget spreadsheet with explanations (acceptable formats: .xls, .xlsx).</p>	<p>Music_and_Chemistry_Budget_and_Online_Platforms.xlsx (16k)</p>
<p>Item:</p>	<p>Invitations</p>
<p>Expense:</p>	<p>150</p>
<p>Justification:</p>	<p>For community leader mailed invitations</p>
<p>Item:</p>	<p>Advertising</p>
<p>Expense:</p>	<p>500</p>
<p>Justification:</p>	<p>Cost of re-usable banners for section & other ads</p>
<p>Item:</p>	<p>Program Printing</p>
<p>Expense:</p>	<p>410</p>
<p>Justification:</p>	<p>To recognize speakers, sponsors, & promote ACS</p>
<p>Item:</p>	<p>Drinks - non-alcoholic</p>
<p>Expense:</p>	<p>440</p>
<p>Justification:</p>	<p>To offer during networking</p>
<p>Item:</p>	<p>Giveaways (harmonicas with ACS logo)</p>
<p>Expense:</p>	<p>650</p>
<p>Justification:</p>	<p>Encourage survey submission & promote ACS</p>
<p>Item:</p>	<p>Speaker funds & venue costs</p>
<p>Expense:</p>	<p>1350</p>
<p>Justification:</p>	<p>Airfare, hotel, cost of venue technical support staff</p>
<p>Additional funds requested from other sources:</p>	<p>4015</p>
<p>Justification:</p>	<p>See attachment</p>
<p>Project Total:</p>	<p>7515.00</p>
<p>Total Requested from LSAC:</p>	<p>3500.00</p>
<p>How do you plan to evaluate the success of your event?</p>	<p>Event impact will be assessed through a brief paper survey. As an incentive, only those participants who complete the survey will receive the give-away. Additional information can be sought if necessary and/or communication about upcoming events provided through the email addresses collected during the registration. There will also be an informal measure of perceptions summarized from discussions of attendees at the next local section Executive Board meeting.</p>

What tools will you use to measure success of event (i.e., surveys)?	The paper evaluation form at the event will follow the general format developed and successfully deployed in previous section events. We also hope to invite local media to the event (such as the "Arts" writer for the Indy Star), whose articles or blog posts will indicate the general perception of the event's success. We will also prepare a survey for our community partners to get an idea of whether they thought this was a good relationship and if they had any ideas about follow up.
How will you use the data captured for future planning?	All future section events will benefit from what we learn from this event. Given that the most central goal of this project is the engagement and interaction of local section members and public members/cultural thought leaders, we hope to use what we learn through this project to innovate further; perhaps partnering with community leaders in attendance, especially as we develop ideas for symposia that may deeply resonate with members at the National meeting to be held in Indianapolis in 2023.

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	Item	Expense	Amount	Justification
IPG portion				
1	Invitations	Invitations	150	For community leader mailed invitations
2	Advertising	Advertising	500	Cost of re-usable banners for section
3	Program Printing	Program Printing	410	To recognize speakers, guests & promote ACS
4	Drinks	Beverages (non-alcoholic)	440	For networking
5	Giveaways (harmonicas with ACS logo)	Giveaways	650	Motivate survey submissions and promote ACS
6	Speaker Funds	Travel costs for Speakers	1,100	Airfare and hotel
7	Venue	Technical support at the venue	250	Need to cover cost of technical support staff
	Subtotal		\$3,500	
Non-IPG portion				
8	Christel Dehaan Fine Arts Center	Co-sponsorship by Uindy	1000	This fee is covered by Uindy co-sponsorship
9	Heavy Appetizers		2055	Networking - covered by Indiana section
10	Drink costs not covered by IPG	Non-alcoholic	384	Networking - covered by Indiana section
		Alcoholic	576	
	Subtotal		\$4,015	
	Total Anticipated Budget		\$7,515	
Note: personal donations have been offered to help with event costs if the section if needed.				



June 20, 2017

The American Chemical Society
Committee on Local Section Activities
1155 Sixteenth Street, N.W.
Washington D.C. 20036

RE: Music and Chemistry in Perfect Harmony

Dear IPG Committee:

As chair of the Indiana Local Section, I am excited to give full support for the upcoming ACS event at the University of Indianapolis world class Christel Dehaan Fine Arts Center, "Music and Chemistry in Perfect Harmony."

It is our pleasure to work with Dr. Gregory Smith again this year, who was also the event chair of our ACS Indiana LS last year chairing the "Chemistry Solves Art Mysteries" lecture at IMA, which was a tremendous success. Dr. Smith holds a Ph.D. in physical/analytical chemistry from Duke University and has completed postdoctoral research at the National Gallery of Art in Washington, D.C., the National Synchrotron Light Source at Brookhaven National Laboratory in New York, and at University College London. His credentials are lengthy and matched with passion that will guarantee success of this year's event.

One of our local section's goals is to promote chemistry's impact to the public through diverse ways. This event can help our members to engage with community leaders through a chemistry-based common interest, the production and enjoyment of fine music and preservation of musical instruments, correlating Arts and Sciences together. The two lecturers will address ways in which chemistry supports the conservation of fine-quality musical instruments and neuroscientific research that demonstrates musical training's positive effects on brain development. The networking event will provide a great opportunity for artists and scientists to blend; promote interactions between artistic creativity and scientific discovery, and help us communicate chemistry's value to the public. I am very confident that this event will be a highlight for our local section members, co-sponsors, University of Indianapolis and Indianapolis Symphony Orchestra, and the Indiana section community public including university chemistry and music department faculty and students this year.

We appreciate the tremendous support for past IPGs for our Indiana section and look forward to making the most of the possible funding that you might provide for "Music and Chemistry in Perfect Harmony" this year.

Sincerely,

Tom Xiao, Ph.D. | Senior Research Scientist | Eli Lilly and Company

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Chair, Indiana Section, American Chemical Society



June 28, 2017

The American Chemical Society
Committee on Local Section Activities
1155 Sixteenth Street, N.W.
Washington D.C. 20036

Music and Chemistry in Perfect Harmony

Dear Sir or Madam:

I am thrilled to write this letter on behalf of the Indianapolis Symphony Orchestra as a co-sponsor of the Indiana Local Section's upcoming "Music and Chemistry in Perfect Harmony" event. The ISO's Learning Community encourages the Committee on Local Section Activities to further support the event through the Innovative Project Grant Program.

The mission of the ISO's Learning Community is to connect people with inspiring musical experiences that meet community needs. With an increasing demand and awareness for STEAM education, what better time could there be for the American Chemical Society to collaborate with the Indianapolis Symphony Orchestra to expose our constituents to the incredible connections between our unique industries. We are excited for the opportunities that could come from being a co-sponsor of this event, and we hope that you can also see these possibilities.

Please join us in support of this exciting and innovative project between the Indiana Local Section of the ACS and many other organizations, including the Indianapolis Symphony Orchestra.

Perry A Accetturo

Perry A Accetturo
Program and Communications Manager, ISO Learning Community



Krzysztof Urbański MUSIC DIRECTOR Jack Everly PRINCIPAL POPS CONDUCTOR Gary Ginstling CEO

June 29, 2017

Letter of Support for Indiana Section ACS

Dear Grant Selection Committee:

I am thrilled to be able to write a letter of support for the Indiana Section ACS's planned Music and Chemistry event as a sponsor and host of this event at the University of Indianapolis (UIndy). We were very fortunate to be able to reserve UIndy's world-class Christel DeHaan Fine Arts Center Performance Hall for our upcoming event. This is appreciated on many levels – first, because this venue is a well-known Indianapolis cultural center; second, because the UIndy Music Department already has vibrant central Indiana connections through our community music programs and weekly concert series; finally, because hosting the event on a college campus allows for active participation from many Indianapolis-area academic communities. We also have documented success in marketing and hosting broadly interdisciplinary events and the strong support of our university administrators to design and implement innovative programming that engages students, faculty, alumni, and our Indianapolis neighborhoods. This novel collaboration between the Indiana Section ACS, the Indianapolis Symphony Orchestra, the Indianapolis Museum of Art, UIndy faculty in Chemistry and Music, and other local companies and universities will create an innovative event with a broad scope that will engage audiences from many callings and show how music and chemistry are interwoven in unexpected ways.

I give my highest recommendation for your support of this event with grant monies. Your support will allow us to host an event of the highest caliber that will fascinate and engage our interdisciplinary audience. Our attendees will gain a new appreciation for the ways in which chemistry positively impacts and influences the world around us.

Sincerely,

Katherine W. Stickney

**Katherine W. Stickney
Associate Professor & Chair, Chemistry**

