

Technical Division Innovative Project Grant (IPG) Report

Date:	2023-07-12
Type of Report	Final
Full Name:	Ralph Stuart
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Sponsoring Technical Division:	Chemical Health & Safety (CHAS)
Funded in Grant Round:	Fall 2021
Was this project/event a joint partnership with another Division?	No
Was this a strategic planning project?	No
Title of Project:	CSL in a Box workshops
Describe the involvement of Division Members in the project. [Limit to 200 characters with spaces.]	Ralph Stuart, membership chair in 2021-22, worked with a variety of CHAS members to present two workshops on laboratory risk assessment to an audience of the Univ of Minnesota Lab Safety Team leaders.
Describe how the project was innovative. [Limit to 300 characters with spaces.]	The project used emerging tools such as RAMP in the lab setting and the CAS Chemical Safety Library (CSL) to educate graduate level chemists in risk assessment appropriate to the research setting. This project involved undergrad and grad students at both Purdue and the Univ of Minnesota.
Describe the logistics of the project (who, what, when, where, and how). [Limit to 500 characters with spaces.]	This project offered workshops for Lab Safety Officers at the Univ of Minnesota in the summers of 2022 and 2023. The 2023 workshop focused on the CSL in a Box concept by providing hands on experience finding chem safety information. Specifically, using candidate reactions datamined by Purdue undergrads, UMN's grad students reviewed and selected hazardous reactions for

	lab interest, searched those in PubChem & CAMEO Chemicals, and entered the found data into the Chemical Safety Library.
Describe the outcomes and success of the project.	Workshop participants were surveyed about their experience with the CSL in order to generate recommendations for improving the user interface and use of the CSL for the broader chemistry community. In the process, there was significant learning associated with the activities, both for the Chemical Safety community and the grad student participants. These lessons learned will be used to further develop the CSL and a tool for the research chemist.
Optional: Attach one item that best exemplifies your activity for this award (ex: photo, poster, program, link to 2 minute or less YouTube video, etc.) The review committee will consider only one attachment that should be 3 pages or less in length.	UMN_photos_3.jpg (3.09 MB)
What type of evaluation process did you use?	<ul style="list-style-type: none"> • Pre-event survey • Follow-up survey based on number of attendees
Did the survey provide useful information about future events?	Yes
The grant money received was...	Adequate
List any ACS or non-ACS partnering groups. How did the partnership(s) work out?	<p>Univ of Minnesota Lab Safety Teams leadership Purdue IT capstone project for undergrad students CINF leadership (Grace Baysinger and Megan Lafferty)</p> <p>I believe that all groups gained significantly from the experience, both in terms of education and ideas for further work.</p>
Would you do anything differently if you were to	This project led to many learning opportunities

do this program again? Explain briefly.

which will be developed in reports to the Division and journal articles for ACS Chemical Health & Safety.

Would you like to nominate this activity for a DAC-sponsored ChemLuminary Award?

Yes