



# Chemistry Outlook

An Activity of  
The Committee on Chemistry in the Two Year  
Colleges;  
Division of Chemical Education;  
American Chemical Society

Main Website:  
<http://www.2yc3.org>

Issue:  
Issue I, 2022

Facebook:  
2YC3



## Updates and Upcoming Events

2YC<sub>3</sub> in-person conferences are on hold due to safety concerns over Covid-19. There are no in-person conferences scheduled for 2022. We are hoping that in 2023, there will be an in-person/hybrid conference. In 2022, we have many virtual meetings/webinars. Here are the scheduled webinars:

**February 11<sup>th</sup>, 2 pm EST/11 am PST**

**2YC<sub>3</sub> Webinar:** The Effect of Multiple Assessment Opportunities on Student Achievement in a Large General Chemistry Course

**Presenter:** Jill K. Robinson, PhD

**Register at:** <https://bit.ly/3HrEuOd>

**February 15<sup>th</sup>, 12 pm EST/9 am PST**

**Chemical Institute of Canada Webinar:** Integrating Indigenous perspectives into chemistry education

**Presenters:** Dr. Geoff Rayner-Canham, Dr. Michelle M Hogue, and Bernie Petit

**Register at:** <https://bit.ly/3utH2rk>

February 18<sup>th</sup>, 2 pm EST/11 am PST

**2YC<sub>3</sub> Webinar:** Toxicology for Chemists: Integrating Toxicology Principles into Higher Education Chemistry Courses

**Presenter:** Nimrat Obhi, PhD

**Register at:** <https://bit.ly/3soSwK6>

March 17<sup>th</sup>, 12 pm EST/9 am PST

**Chemical Institute of Canada Webinar:** Alternative Approaches to Undergraduate Laboratory Teaching

**Presenters:** Kris Kim, Lana Mikhaylichenko, Sharonna Greenberg, and Jay Wickenden

**Register at:** <https://bit.ly/3utH2rk>

March 25<sup>th</sup>, 2 pm EST/11 am PST

**2YC<sub>3</sub> Webinar:** Students' Understandings of Multiple Representations in Chemistry

**Presenter:** Stacey Lowery Bretz, PhD

**Register at:** <https://bit.ly/35NrnZH>

March 30<sup>th</sup>, 12 pm EST/9 am PST

**Chemical Institute of Canada Webinar:** Using Learning Analytics to Measure and Improve Outcomes in the Chemistry Classroom and Laboratory

**Presenters:** Jason Pearson

**Register at:** <https://bit.ly/3utH2rk>

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**Tom Higgins, Harold Washington College, Chicago, IL**

Dear 2YC<sub>3</sub>:

Happy 2022! I wish everyone a prosperous and happy New Year.

I love podcasts and one of my favorites is "Hidden Brain" with Shankar Vedantam (<https://hiddenbrain.org/>). This show has taught me a lot about people, behavior, and why we do what we do. One of the first Hidden Brain episodes discussed the importance of gratitude in a happy life. In that spirit, I want to start 2022 by expressing my gratitude to all of you.

2YC<sub>3</sub> is a small but mighty organization and all of you—members, officers, and friends—make that possible. Without you and the community we have created together, virtual teaching and professional development in 2020 and 2021 would have been a lot less fun and fulfilling. I firmly believe grassroots organizations like ours are critical not just for quality professional development, but also for keeping teaching enjoyable, interesting, and challenging. And that helps ensure our students are getting a quality chemistry education, no matter what mode we are meeting them in.

Scott Donnelly and Robert Kohima deserve a special shout out for their roles as 2YC<sub>3</sub> Chairs during the past two years. Their leadership and hard work during COVID were critical in helping 2YC<sub>3</sub> pivot quickly and effectively from our traditional in-person meetings to virtual meetings and activities. Thanks, guys!

I also want to thank Julie Ellefson for serving as our Treasurer, Jason Jadin for serving as our Membership & College Sponsors Chair, and Kathy Carrigan for serving as our Future Sites Coordinator. The end of 2021 was the end of their terms. We will miss all of you. Please don't be strangers!

The results of our latest elections are hot off the press! I am happy to congratulate Jonathan Gittins of Delta College (Saginaw, MI) for being elected our new Treasurer and Melanie Harvey of Johnson County Community College (Overland Park, KS) for being elected our new Membership & College Sponsors Chair. Scott Donnelly will transition into the Future Sites Coordinator role as part of the traditional 2YC<sub>3</sub> Chair succession. Thanks to you all for your past, present, and future service.

This year, we will be looking for a new Webmaster, as Luca Preziati's term is ending at the end of 2022. If you are interested in this role, please reach out to him ([preziati@2yc3.org](mailto:preziati@2yc3.org)) or me for more information ([higgins@2yc3.org](mailto:higgins@2yc3.org)).

I am happy that 2022 marks our return to in-person 2YC<sub>3</sub> meetings! Right now, we are to meet during the 27th Biennial Conference on Chemical Education (BCCE, <https://www.bcce2022.org/>) at Purdue University (West Lafayette, IN) on July 31-August 4. We would also like to hold a fall meeting. If you would like to host, please reach out to Scott Donnelly ([donnelly@2yc3.org](mailto:donnelly@2yc3.org)) or me ([higgins@2yc3.org](mailto:higgins@2yc3.org)) for more information. We look forward to seeing you! Get more information at the 2YC<sub>3</sub> Meetings page: <http://www.2yc3.org/meetings.htm>

We will also continue with our online offerings. There are currently four virtual presentations scheduled for January and February. See the 2YC<sub>3</sub> Meetings page for information and to registrar. Registration is open to everyone, so please share this link with anyone who may be interested, especially students and adjuncts: <http://www.2yc3.org/meetings.htm>

Finally, a shameless plug for the ChemEdX, the Chemical Education Xchange (<https://www.chemedx.org/>). This is the new name for the former website of the Journal of Chemical Education. Just like 2YC<sub>3</sub>, it is run by a committed groups of volunteers, including Kathy Carrigan (<https://www.chemedx.org/blogs/kathleen-carrigan>) and Scott Donnelly (<https://www.chemedx.org/article/welcome-two-year-college-editor>). And it is free! Just go to this link to sign up for an account: <https://www.chemedx.org/user/register>

That's all for now!

Tom

## BCCE 2022 Call for Papers

We invite submissions for oral presentations and posters at the 27<sup>th</sup> Biennial Conference on Chemical Education (BCCE). The meeting will take place July 31-August 4, 2022, at Purdue University in West Lafayette, Indiana. Details can be found on the meeting website at <https://www.bcce2022.org/>.

The conference will bring together chemical educators and researchers from K-12 and higher education to present their work, make connections, and learn from one another. The theme of this year's conference is "New approaches to modern challenges," and will highlight the ways chemical educators have responded to recent changes across diverse educational contexts through technical symposia, workshops, and poster sessions.

The complete list and descriptions of symposia are available on the meeting website at <https://bcce2022.org/event-search>. Symposia are organized around four themes:

1. Classroom practice and learning environments
2. Curriculum and cognition
3. Assessment and research methods
4. Professional development

### **What is the Format of Presentation?**

Oral presentations are 20 minutes in length, including time for questions. At this time, all oral and poster presentations will be in person.

### **What are the Requirements for a Submission?**

- Title of the presentation
- Presenter and co-author name(s), institutional affiliations, and contact information
- Brief description (~250 words) of the work
- Select preferred presentation type (oral or poster)
- Select preferred symposium (for oral presentations only)

### **How Do I Submit?**

Abstracts must be submitted through the MAPS system (<https://bcce2022.abstractcentral.com/>). You will need to create an ACS ID, if you do not have one already, though you do not need to be a current member of ACS to submit. MAPS will open on January 10, 2022. All presentation abstracts must be submitted by February 28, 2022.

### **Questions?**

If you have questions, please contact the program co-chairs, Thomas Bussey ([tbussey@ucsd.edu](mailto:tbussey@ucsd.edu)) and Carly Schnoebelen ([carly.schnoebelen@cgc.edu](mailto:carly.schnoebelen@cgc.edu)).

## 2YC<sub>3</sub> at BCCE

### Give a Talk!

2YC<sub>3</sub> will be organizing two symposia aimed at two-year colleges and others who teach the first two years of chemistry. The symposia are:

- Innovations and Experiences in the Chemistry Classroom During the First Two Years
- Adjunct Faculty Forum

Tom Higgins ([higgins@2yc3.org](mailto:higgins@2yc3.org)) is the organizer for both symposia. Contact him for more information.

Talks and poster abstracts can be submitted to MAPS at <https://bcce2022.abstractcentral.com/>

Abstract submissions close on February 28, 2022. Notifications will be made in March 2022.

### Attend a workshop!

2YC<sub>3</sub> will also be sponsoring a workshop titled “OK, I know about active learning but how do I do it?”

Scott Donnelly ([donnely@2yc3.org](mailto:donnely@2yc3.org)) is the workshop host. Contact him for more information.

## Open Positions

We are looking to find members willing to serve in the following positions. Please contact Tom Higgins if interested.

- **2024 Chair-Elect**
- **Webmaster** (contact Luca Preziati at [preziati@2yc3.org](mailto:preziati@2yc3.org) for more information)
- **Newsletter/Social Media Editor** (contact Jon Gittins at [gittins@2yc3.org](mailto:gittins@2yc3.org) for more information)

## COCTYC and Support Staff 2022 Roster of Committee Members

Chair Tom Higgins, Harold Washington College (IL) <a href="mailto:higgins@2yc3.org">higgins@2yc3.org</a>	Chair-Elect 2023 Ken Friedrich, Portland Community College (OR) <a href="mailto:friedrich@2yc3.org">friedrich@2yc3.org</a>	Chair-Elect 2024 <b>If interested, let us know!</b>
Immediate Past Chair (Future Sites Coordinator) Scott Donnelly, Arizona Western College (AZ) <a href="mailto:donnelly@2yc3.org">donnelly@2yc3.org</a>	Past Chair (Strategic Planning Director) Peter Larkowski, Delta College (MI) <a href="mailto:larkowski@2yc3.org">larkowski@2yc3.org</a>	Past Chair (DivCHED Representative) Robert Kojima, San Diego City College (CA) <a href="mailto:kojima@2yc3.org">kojima@2yc3.org</a>
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