

## KEYNOTE ADDRESS

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# HOW DO OUR PROGRAMS AND COURSES NEED TO CHANGE TO BETTER INCLUDE, EQUIP, AND EMPOWER LEARNERS?

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### ABSTRACT

We are living in a rapidly-changing world in which we are facing complex challenges, including climate change and health, where science knowledge plays a central role. However, many learners face systemic barriers accessing high quality education. How do our programs and courses need to change to better include, equip, and empower learners to address these and other challenges, from local to global scales? What is the path to change? In this presentation, I will (1) highlight efforts from my research group to address those issues in organic chemistry education, systems thinking, and broader learning skills, (2) highlight selected efforts by members of our educator community, and (3) seek ideas and hear about initiatives from audience members.

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