

## **Allele: A Powerful Tool for Engaged Learning**

Daniel Johnson, [djjohnson@arizona.edu](mailto:djjohnson@arizona.edu)

This session will introduce attendees to Allele (allele.io), an online learning tool which allows for easy creation of both synchronous and asynchronous learning activities, although the focus will be on asynchronous activities. In Allele, it's possible to create multi-step assignments where students can, for example, proceed through a scaffolded set of exercises or even a case. There is a variety of question types, from multiple choice to free-response to image markup, and after students submit their answers, they can view instructor-created expert responses to evaluate their knowledge and their work. With the ability to embed text, images, tables, videos, and more, instructors have wide latitude to create high-quality kind learning experiences for students. The session will provide an overview of the student (end user) experience in Allele before turning to the instructor (builder) side to demonstrate how easy it is to build engaging learning activities.