

## **Online Experiments for Physiology Education**

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Experimentation in physiology education is essential to develop students' knowledge and understanding of how physiological experiments are performed within the laboratory. Additionally, experiments provide students with opportunities to develop their scientific research skills and can foster students' interest in physiology. During the COVID pandemic, physiology educators used video lectures, online lectures, and small group discussions, but struggled to provide the laboratory experience to their students. Replicating the learning gains of an experimental laboratory class in an online setting is challenging, particularly as online programs are grounded in the autonomy of the learners. In this symposium, we will discuss how educators can minimally provide creative experiences of remote experimentation to their students. Smartphone-assisted experimentation will be presented as a didactic strategy to maintain practical lessons in remote education.

Keywords: Experimentation, online experiments, smartphone, remote education

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