

Faculty Bio for Online Course Acadeum

Keith R. Miller, associate professor of biochemistry at the University of Mount Union, earned his bachelor's degree in chemistry from Mount Union College (2004) and a Ph.D. in biochemistry and biophysics from the University of North Carolina at Chapel Hill (2013). For over eight years at Mount Union, he has focused on building primary literature reading, writing, and analysis skill sets for his students in biochemistry and medicinal chemistry courses. During the summer of 2019, he was a visiting professor for Universitat Politècnica de València in Valencia, Spain teaching biotechnology. His research interests are on the interface of biochemistry, immunology, and pharmaceutical sciences. Students in his laboratory work to design liposome-based nanoparticle drug delivery strategies for activation of macrophages in cancer immunotherapy. Furthermore, he is actively engaged in science communication for the public and regularly gives public seminars on vaccines, biotechnology, and other biochemical applications in society.