



# STEM PATHWAYS

## Spring 2023 Seminar Series

Friday, March 17, 2023  
3-4 pm  
CILSE 409



**Jourdan Ewoldt**  
PhD Student, Chen Lab  
Boston University

Jourdan Ewoldt obtained her B.S. in Biomedical Engineering from Johns Hopkins University in 2017. She is currently a PhD student in Chris Chen's lab at Boston University studying cell communication in heart disease. In this seminar, you will learn about the cells that are in the heart and how to use cells to engineer heart tissue in a dish. You will learn about how researchers from different disciplines collaborate to mature engineered heart tissue by mimicking human development. This heart tissue can then be used to test medications for adverse effects on the heart and to study genetic heart diseases. Here, you will learn one example of using engineered heart tissue to better understand how a genetic heart disease, hypertrophic cardiomyopathy, affects heart function.