

MMOT Lab Group Mission, Values, and Expectations

The Mechanics and Modeling of Orthopaedics Tissues (MMOT) Laboratory at Bucknell focuses on orthopaedic biomechanics, mechanobiology, and computational modeling projects by emphasizing the undergraduate student experience. The group is led by Prof. Ben Wheatley in the Department of Mechanical Engineering and includes students from across Bucknell.

Our lab mission is to provide an environment where individuals grow academically, professionally, and personally by being at the forefront of student-led biomechanics research and by creating an inclusive and supportive environment for all members.

We value:

- The development of technical, professional, problem solving, communication, and leadership skills
- Training undergraduate students to conduct rigorous biomechanics and mechanobiology research
- Enabling individuals to accomplish their career goals after Bucknell
- Diversity in the group and an inclusive environment for all persons regardless of race, ethnicity, gender identity, ability, nationality, age, etc.
- Willingness to be a contributing member of a team
- Ownership over a project and an understanding of how that project contributes to society
- The freedom to be independent and curious in research

Our responsibilities and expectations are to:

- Work to provide an environment that is free from prejudice, misogyny, racism, and other harmful speech or actions
- Be committed to learning and growing as individuals
- Support each other in research and collaborate when necessary
- Be open and honest communicators - listen to each other
- Support each other in non-research related tasks and activities, including classwork, mentorship, preparing for careers after Bucknell, hobbies, clubs, outreach, performing arts, athletics, etc.
- Call out bad behavior when we see it - zero tolerance for hate speech or actions
- Respect each other at all times, including outside of the laboratory and meeting times