

## Cardiovascular Physiology

The Cardiovascular Physiology Core Facility provides University of Wisconsin-Madison and outside researchers with a central resource for creating and studying cardiovascular physiology and pathophysiology in animal models. While the central focus of the facility is cardiovascular research, the techniques employed are useful to a number of investigators in other fields. Currently, the facility is conducting studies focusing on heart failure, arrhythmias, gene, drug and cell therapy for treatment of diseases.

The Practicum Student's experience could vary widely depending on the current projects in the Cardiovascular Core lab, but would involve animal models of disease. We typically use echocardiography, invasive hemodynamic monitoring, vascular surgeries (transaortic banding, myocardial infarctions, ischemia), and exercise stress testing to characterize animal disease models. Students would be able to observe animal surgeries, help collect and analyze data. Inquiries can be directed to Tim Hacker [th2@medicine.wisc.edu](mailto:th2@medicine.wisc.edu)