Union College Biology Department welcomes

Jennifer Currey, Assistant Professor, Bioengineering Program
Union College

“How to heal a broken leg … walk on it”

Each year there are over 1 million bone fractures. Most heal without incident; however, 1 out of 20 fractures have impaired healing often requiring surgery and further treatments. One method of treating these fractures is the application *low levels* of mechanical stimulation via an external fixator, but what exactly are *low levels*? In other words, *what is the precise relationship between the local mechanical environment and patterns of bone repair?* We believe the answers lie in the development of a technique to accurately control and measure the mechanical stimulus applied to a healing fracture.

Thursday, September 18, 2014
12:50 – 1:45 p.m.
Olin 115

Lunch will be provided at 12:40