Scientific practice throughout history has been linked with virtue. Philosophers from ancient Greece through the medieval period viewed the study of the natural world as a means to develop intellectual and moral virtues. While virtue language has largely disappeared from discussions of science, moral dispositions and judgments continue to play a significant role in scientific practice. This conference is the culmination of a 3-year project at the University of Notre Dame, exploring the relationship between virtue and scientific practice with a focus on laboratory research in biology.