

Title: Interdisciplinary Undergraduate Research in Biofluids

Abstract: Applications of fluid dynamics to math biology, by its very nature, exists at the interface of the two fields and often necessitates the coupling of experiment and theory. In practice this all too often means people who engage in one collaborating with those engaged in the other, leaving undergraduate research students firmly rooted on one side of this divide. As a result, this approach appears to propound the statement: ``Don't look at the man behind the curtain!" In this talk I will discuss how we have incorporated experiment and mathematical theory together using both mathematical and experimentally driven questions in the JMU WORM Lab as well as some of the successful projects which have come out of this group.