

DFD07-2007-001604

Abstract for an Invited Paper
for the DFD07 Meeting of
the American Physical Society

Teaching biofluidynamics

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This talk will describe some experiences with graduate courses in biofluidynamics directed toward mathematics majors without prior exposure to introductory fluid dynamics. The areas considered are those covered in Lighthill's book on the subject, and some aspects of developmental biology. We compare use of the biology to motivate introductory material, with its value as a stimulant to novel new directions in the field.