

# PHYSICAL MATHEMATICS SEMINAR

## A PHYSICAL VIEW ON PHYSIOLOGICAL PROBLEMS

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### ABSTRACT:

In 1818, Laennec proposed to use the stethoscope to improve medical diagnostics. This simple acoustic technique, which is still used, is the first of a long list of improvements due to physics in the treatment of physiological problems. Here, we will focus on two physiological problems: the growth of abdominal aortic aneurysms and the tear film deposition by eyelids. In both cases, we will first try to understand the underlying physics and then propose ways to improve the medical diagnostics.

**TUESDAY, APRIL 8, 2008**

**2:30 PM**

**Building 4, Room 370**

*Refreshments at 3:30 PM in Building 2, Room 349  
(Applied Math Common Room)*



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