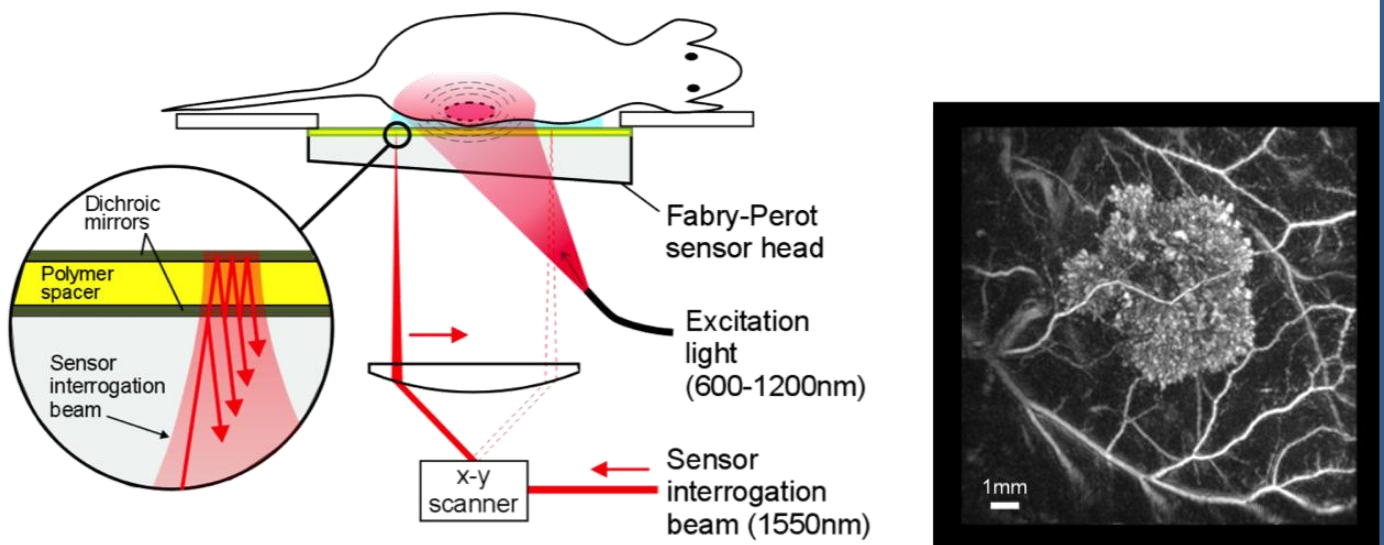


# Biomedical Photoacoustic Imaging

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1.00pm Tuesday 4<sup>th</sup> March 2014  
2nd Floor Lecture Theatre  
Tower Building. All welcome

Applied Optics Group Lunchtime Seminar:

### **Biomedical Photoacoustic Imaging**

Photoacoustic imaging uses laser-generated ultrasonic pulses to obtain 3D images of buried optical absorbers (eg. blood vessels) with ultrasonic resolution in optically highly scattering media such as soft tissue. It is beginning to find biomedical applications, notably in preclinical imaging. This talk will describe the fundamentals of photoacoustic imaging, practical measurement techniques, some of our latest preclinical images will be shown, and the remaining hurdles to be overcome will be discussed.