IN VIVO IMAGING OF DISEASE AND THERAPY

BIOLUMINESCENCE. FLUORESCENCE. MULTIMODALITY

Vivek R. Shinde Patil, PhD
Team Leader, Technical Applications,
PerkinElmer Inc.

Caliper, a PerkinElmer Company, develops industry leading optical and microCT imaging platforms and reagents to spatiotemporally and non-invasively monitor biological processes in living animals. With over 3000 publications, the IVIS technology has emerged as an established bioluminescence and fluorescence imaging research tool for exploring various therapeutic areas including oncology, infectious diseases, neurobiology, inflammation, stem cell and transplantation research, immunology, cardiovascular disease and gene therapy. Complementing the IVIS platform, are state-of-the-art 2D/3D fluorescence technologies such as the CRI Maestro and Visen FMT, and a low-dose, high resolution microCT platform (Quantum FX) that facilitate multi-reporter and anatomic imaging solutions for characterizing disease and drug discovery. PerkinElmer also offers a repertoire of bioluminescent cell lines and bacteria coupled with a broad portfolio of near-infrared dyes and probes to explore molecular and functional hallmarks of disease. This presentation will provide users a scientific overview on imaging applications, derived primarily from peer-reviewed publications featuring this unique combination of imaging platforms and reagents.

Local: **Anfiteatro CEFAP - ICB IV - USP**
Data: **20 de julho de 2012** **Hora:** **11h**

Nesse mesmo dia, após o almoço, o palestrante se reunirá com interessados para tirar dúvidas sobre uso do equipamento Spectrum, modelos experimentais, reagentes, protocolos. Inscrições e informações : leila.vecchio@ambriex.com.br

A SPECTRUM OF POSSIBILITIES

PerkinElmer
For the Better

Caliper
a PerkinElmer company