## Optical 3D imaging of samples: increasing speed and specificity

Dr. Jorge Ripoll Bioengineering Department, Carlos III University (Madrid, Spain)

During the past decade there have been significant improvements in the way we obtain 3D images from whole specimens and tissue samples. These have been based not only on technical and hardware advances but also on different clearing techniques and new approaches to increase measurement speed. This talk covers basic principles and explains these advances including an approach to include multispectral measurements to improve tissue specificity, for those cases where specific fluorescent markers are not possible to implement.

