

Luminescence Lifetime Imaging Microscopy by Confocal Pinhole
Shifting (LLIM-CPS)

by
Venkat K. Ramdesh

A dissertation submitted to the faculty of the University of North Carolina at Chapel Hill in
partial fulfillment of the requirements for the degree of Doctor of Philosophy in the
Department of Biomedical Engineering

Chapel Hill
2007

Approved by:

John J. Lemasters

Stephen B. Kistley

David S. Lalush

M. Joseph Costello

Caterina M. Gallippi

Luminescence Lifetime Imaging Microscopy By Confocal Pinhole Shifting LLIM-CPS

Author : / **Category :**Uncategorized / **Total Pages :** 125 pages



[Download Luminescence Lifetime Imaging
Microscopy By Confocal Pinhole Shifting LLIM-
CPS PDF](#)

Summary : Free luminescence lifetime imaging microscopy by confocal pinhole shifting llim-cps pdf download - llim-cps was used to quantify oxygen-dependent changes in intensity and lifetime of tris-4 7 diphenyl 1 10-phenanthroline ruthenium an oxygen sensing long lifetime luminophore llim-cps images of heart cells in the presence of the oxygen-sensing phosphorescent luminophore pttbp-ag2-peg visualized oxygen surrounding the respiring cells thus in this dissertation i have demonstrated an adaptation of a lscm to perform quantitative long lifetime luminescence imaging and presented a biological application of oxygen sensing with this technique

Pusblisher : ProQuest on 2007 / **ISBN :** 9780549326878



[Download Luminescence Lifetime Imaging
Microscopy By Confocal Pinhole Shifting LLIM-
CPS PDF](#)

PDF LUMINESCENCE LIFETIME IMAGING MICROSCOPY BY CONFOCAL PINHOLE SHIFTING LLIM-CPS

luminescence lifetime imaging microscopy by confocal ... - luminescence lifetime imaging microscopy by confocal pinhole shifting ... llim-cps luminescence lifetime imaging microscopy by confocal pinhole shifting