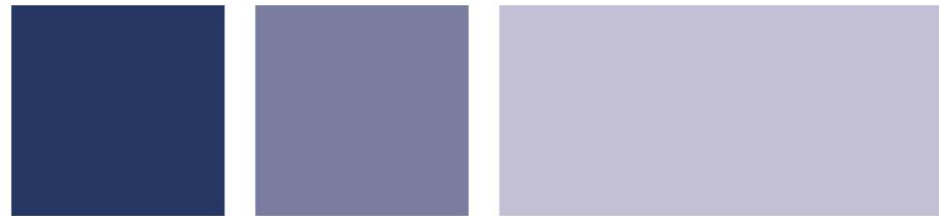


# Helping Users Make the Most of Time-Resolved Microscopy

Dr Sergio Lopez



John Innes Centre

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Electron  
microscopy

Elaine Barclay



Jake Richardson



Optical  
microscopy

Eva Wegel



Sergio Lopez



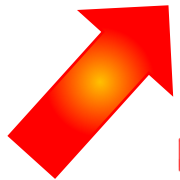


Dublin

Glasgow

Bologna

Granada

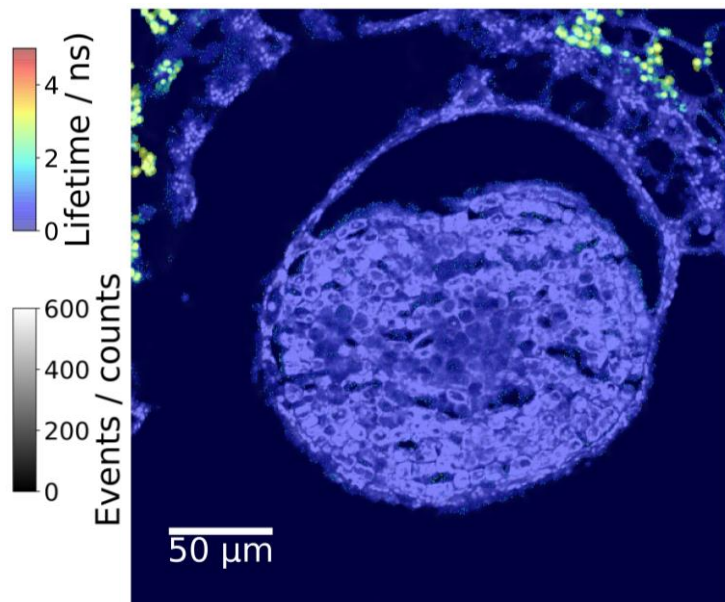


From  
Buenos Aires

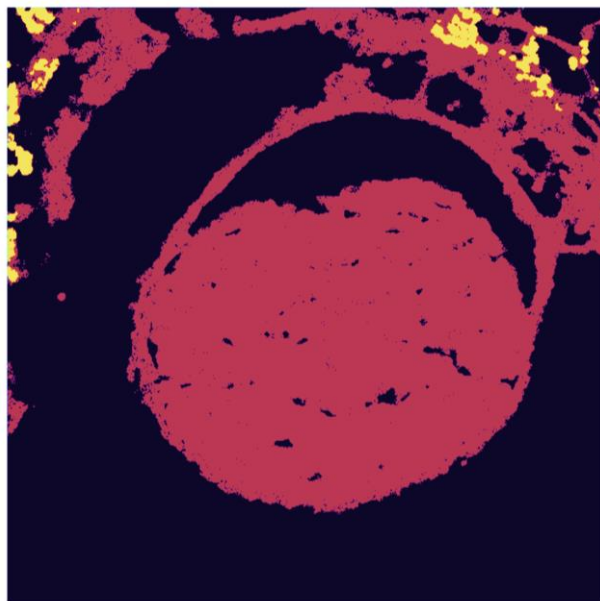
Biophysics  
Materials Science  
Photophysics

FLIM  
FCS  
CLSM  
TIRF  
Single Molecule Spectroscopy

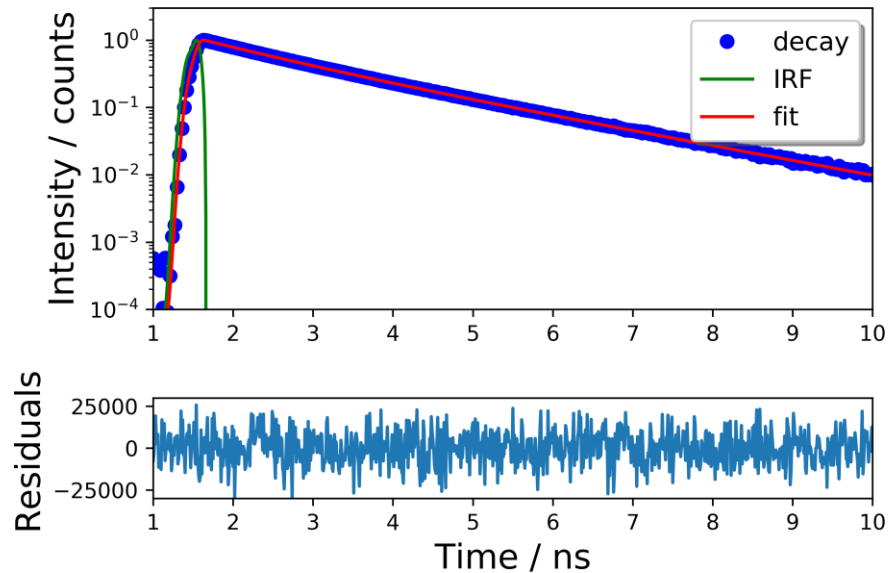
## Segmentation



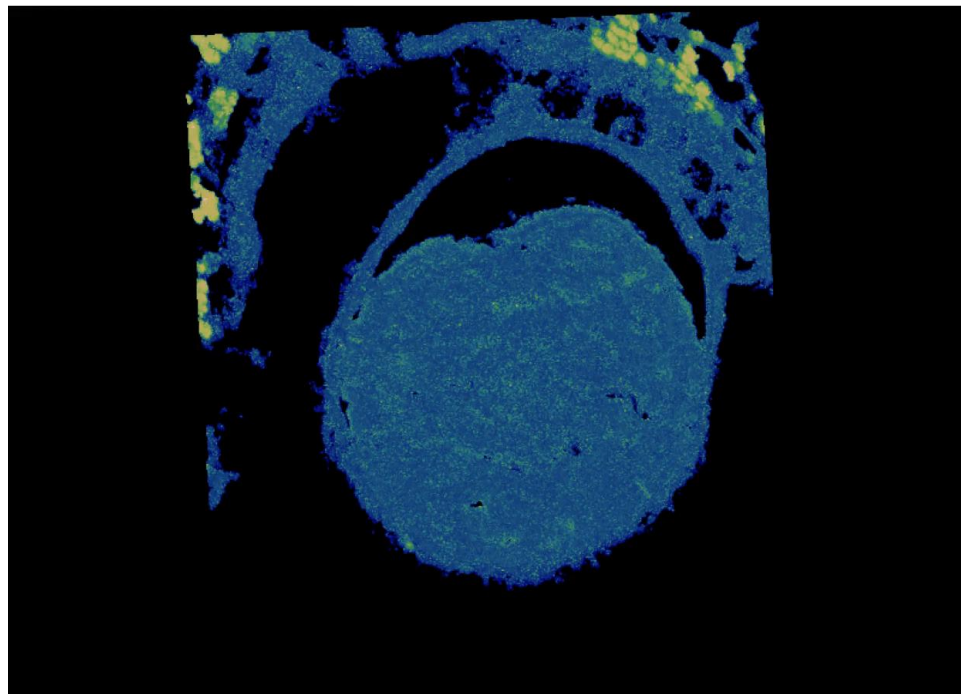
K means clustering +  
remove small objects



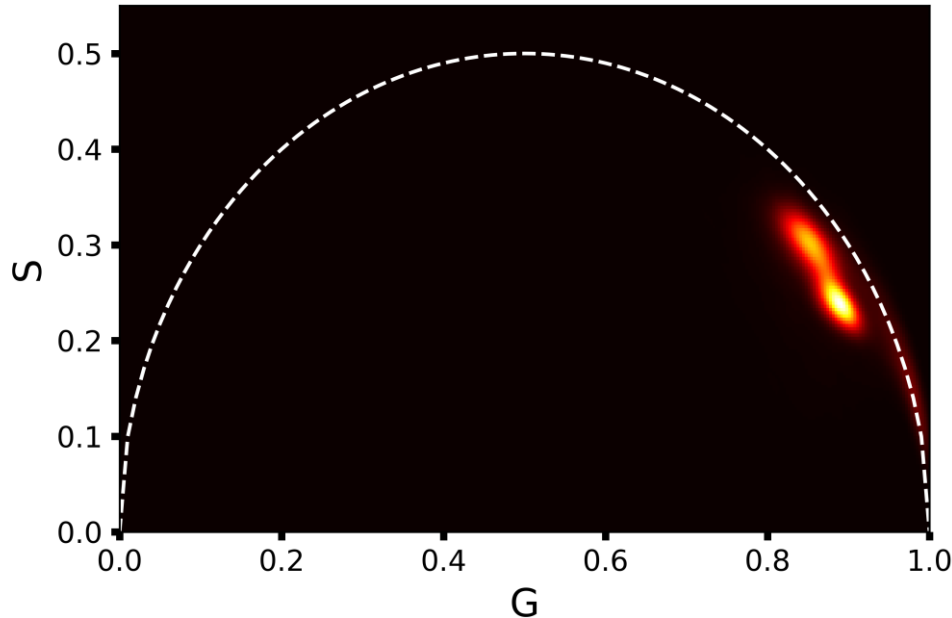
## Reconvolution fitting



## 3D visualisation



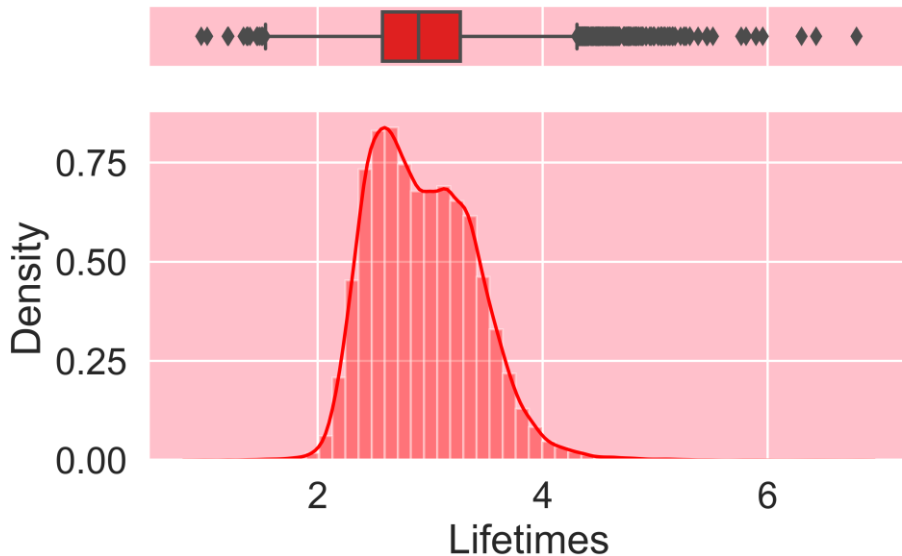
## Phasor plots



Additional ways to automate  
FLIM image processing?

Other Python tools  
for FLIM image processing?

## Lifetime distributions



**Thank you!**