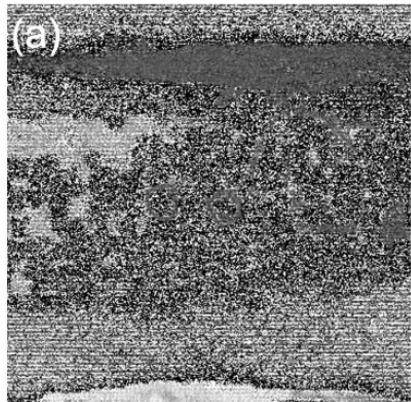
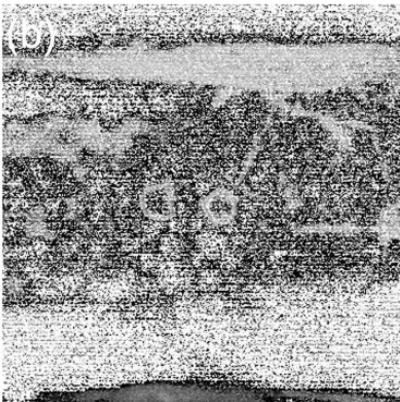


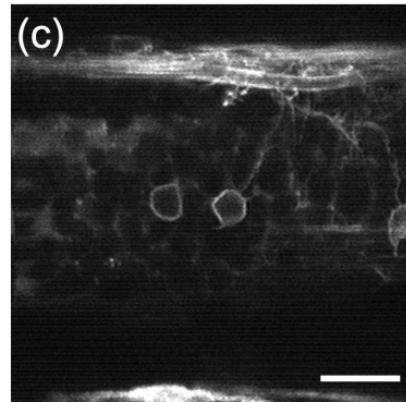
Noisy FLIM real



Noisy FLIM imaginary

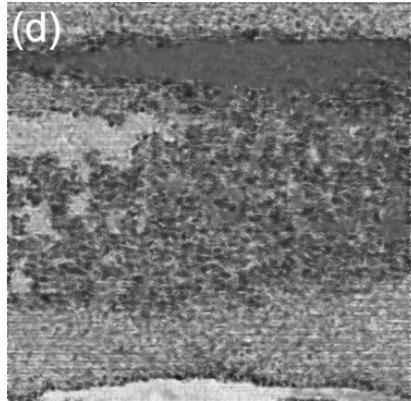


FLIM Intensity

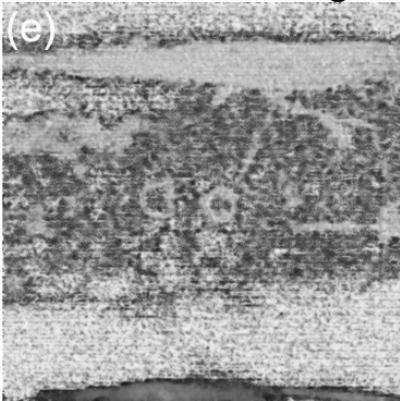


1  
Norm. Intensity (A.U.)  
0

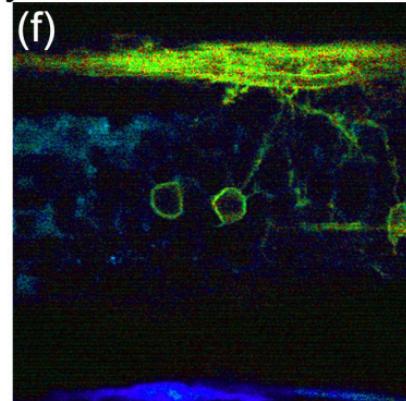
Denoised FLIM real



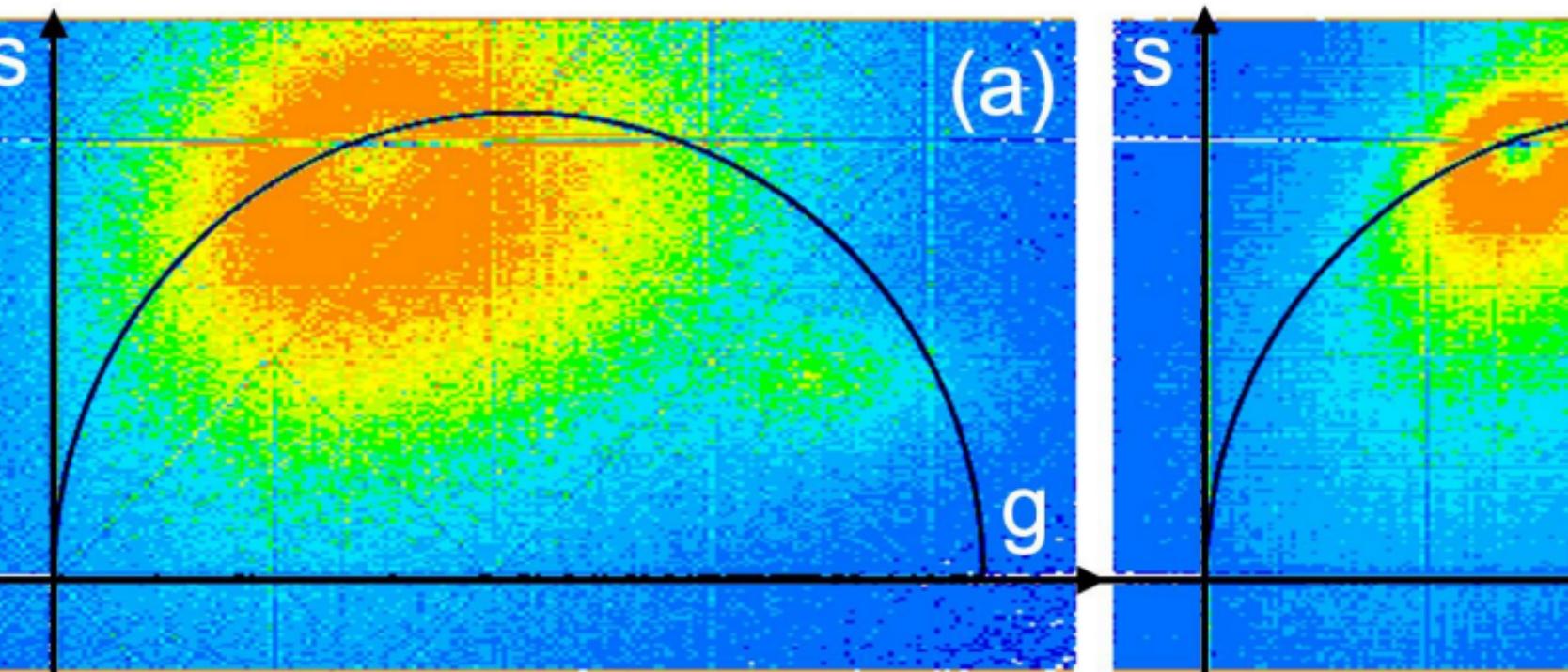
Denoised FLIM imaginary



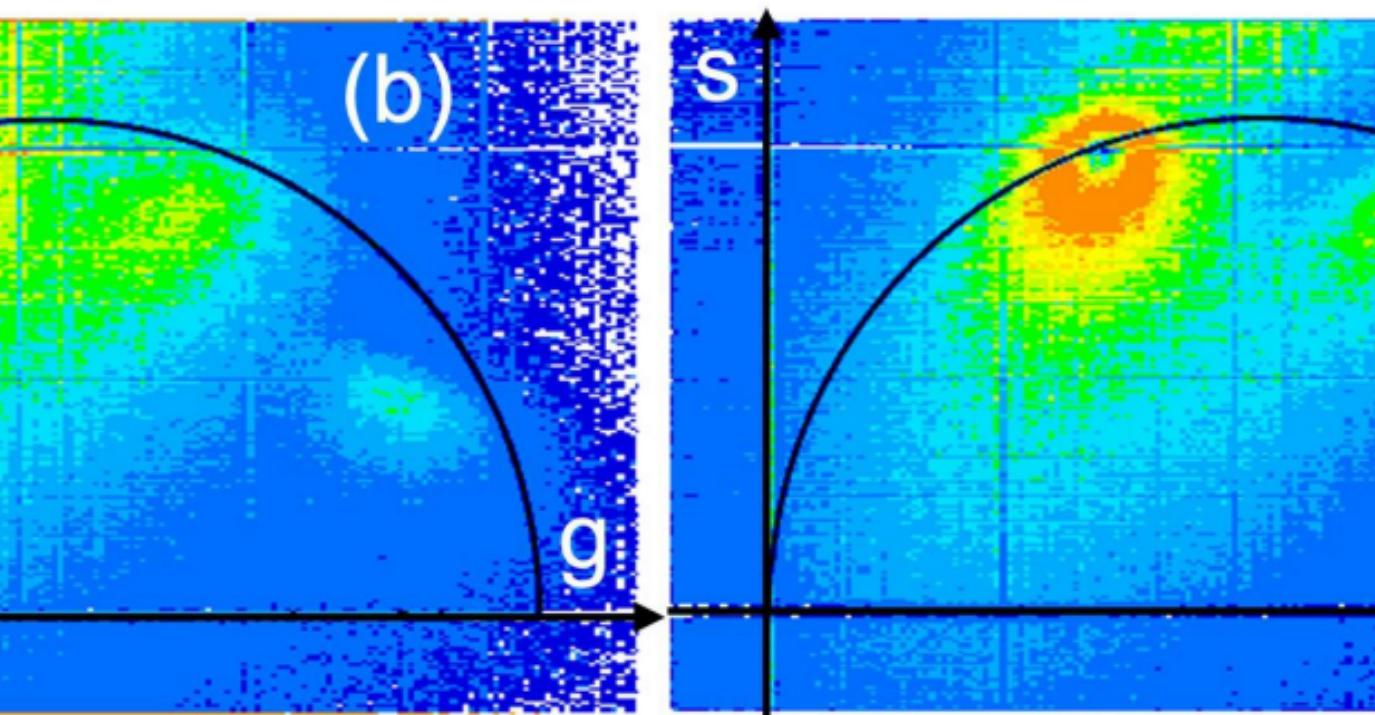
FLIM lifetime



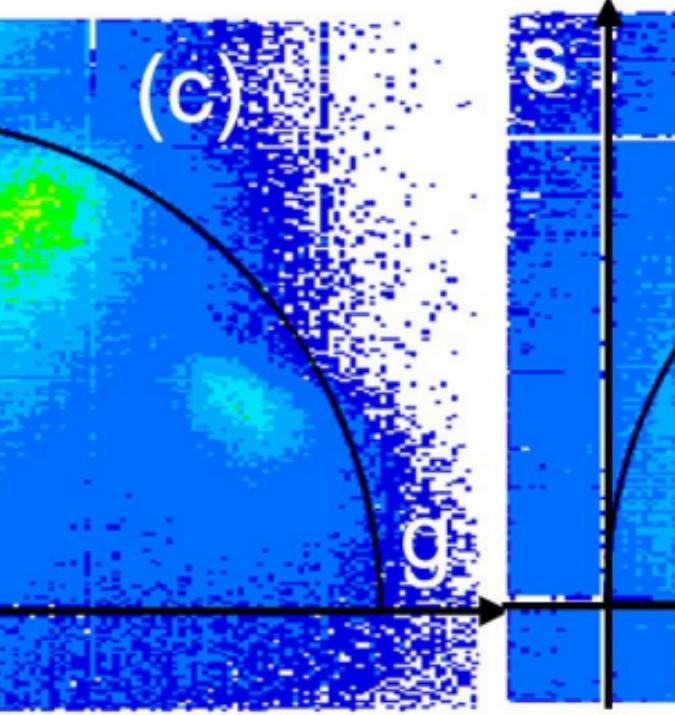
Noisy Phasor



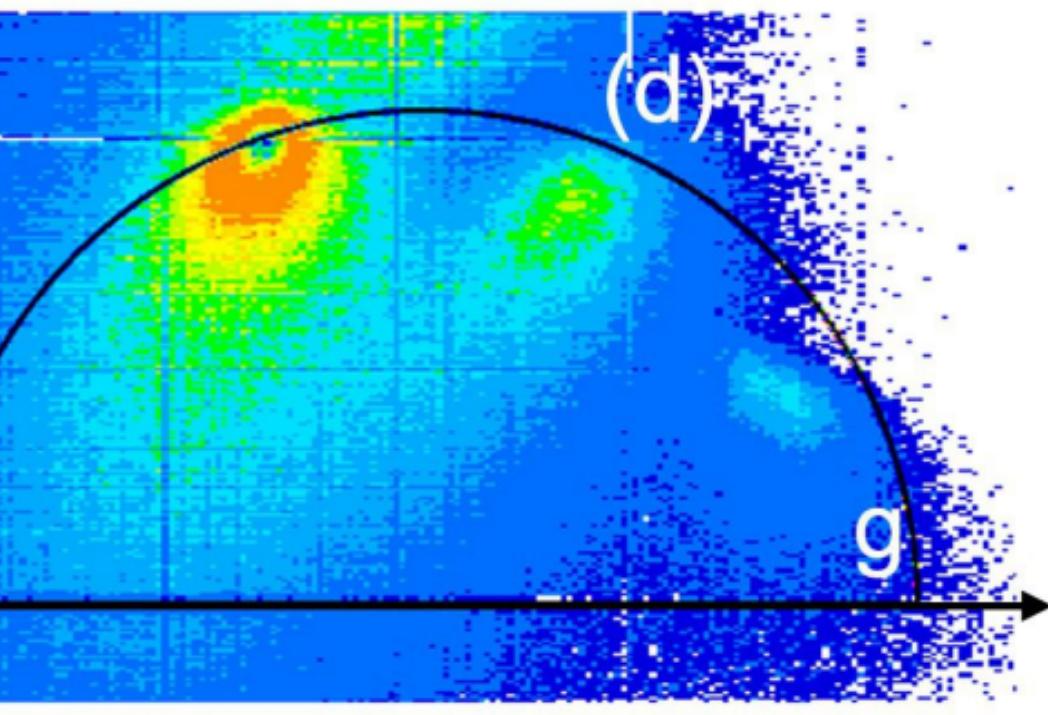
1x-time Median filtering



2x-times Median filtering

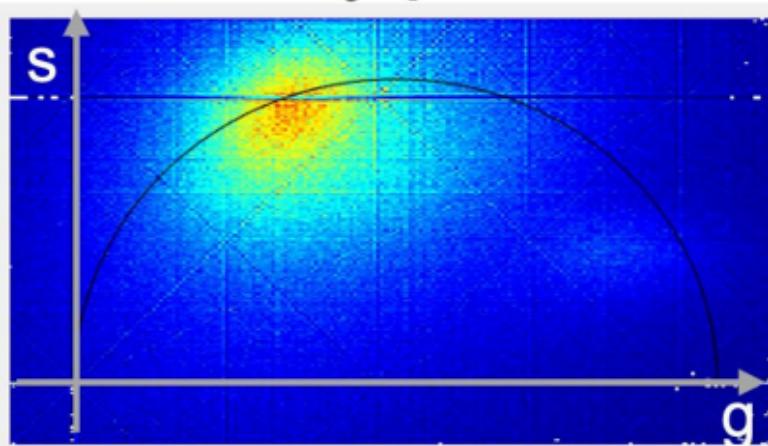


3x-times Median filtering



Noisy G,  
S images

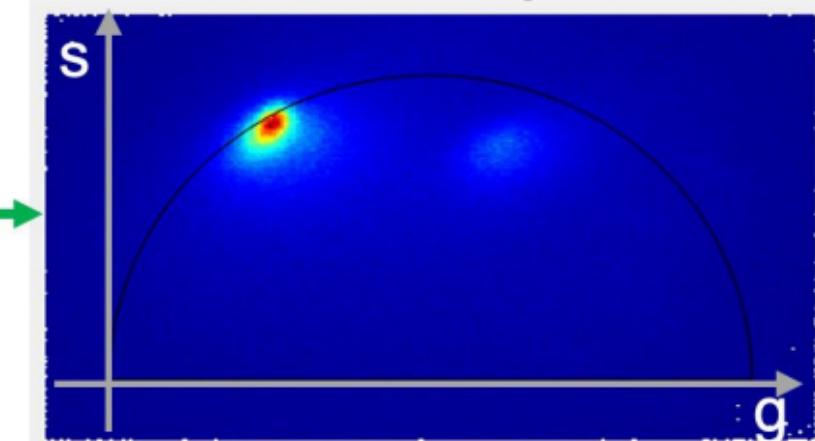
Noisy phasor



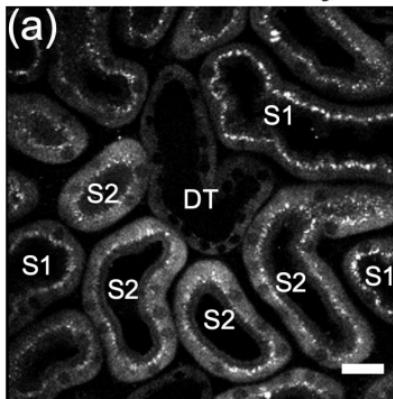
Pre-trained  
(DnCNN  
denoising)

Denoised G,  
S images

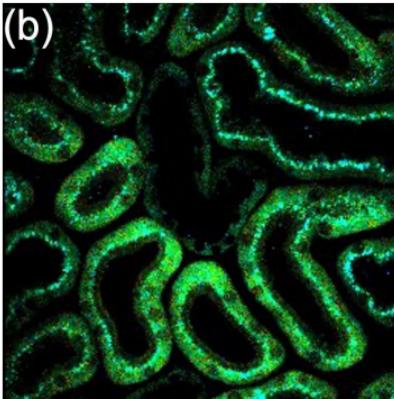
Denoised phasor



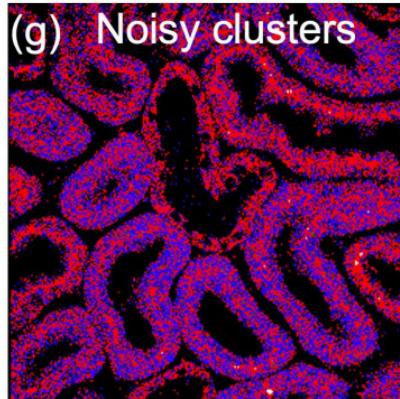
### FLIM Intensity



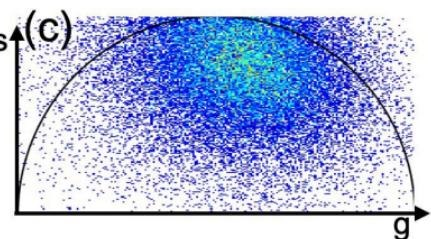
### FLIM lifetime



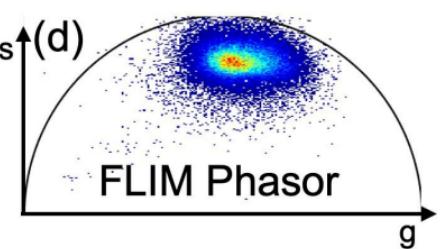
### Overlap clusters



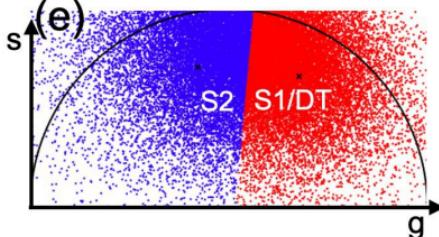
### Noisy



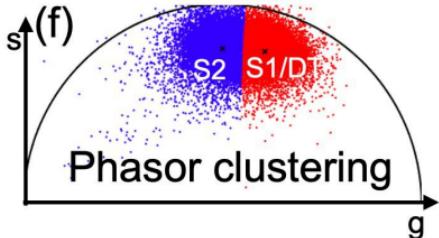
### Denoised



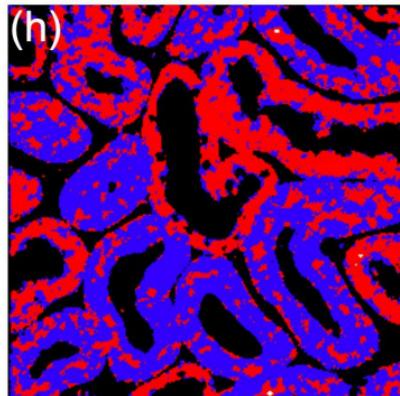
### (e)



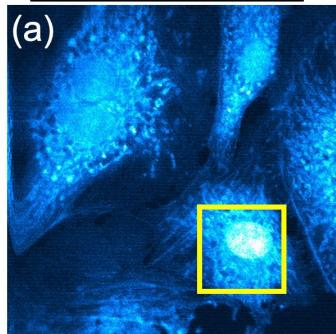
### (f)



### Denoised clusters

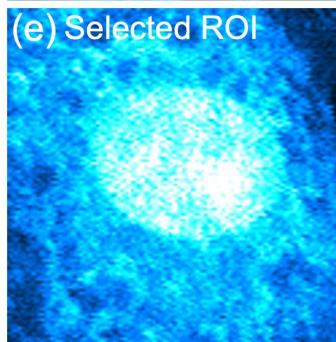
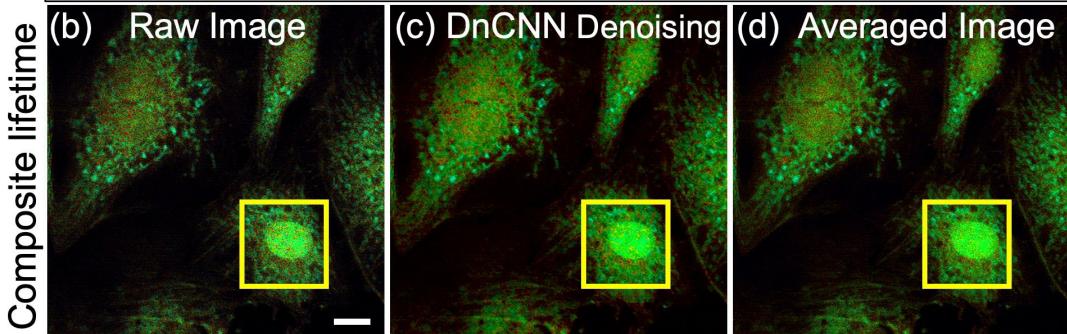


## FLIM Intensity

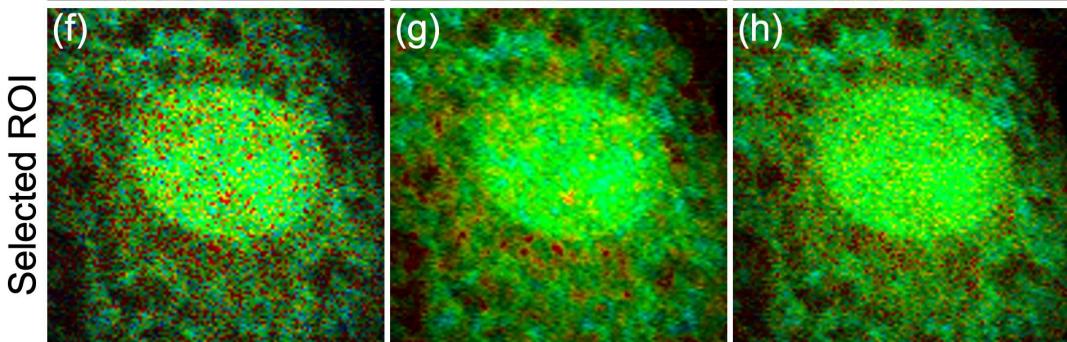


1  
Norm. Intensity (A.U.)  
0

## Instant FD-FLIM Lifetime Measurement



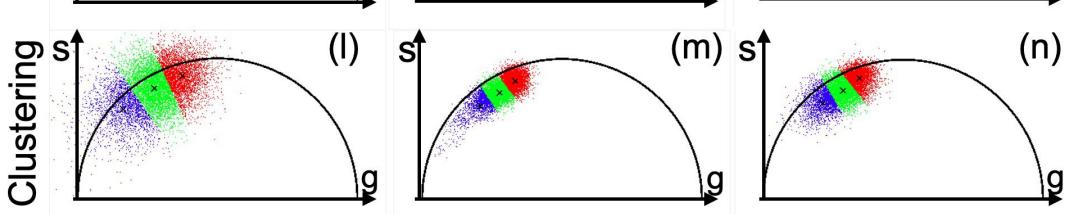
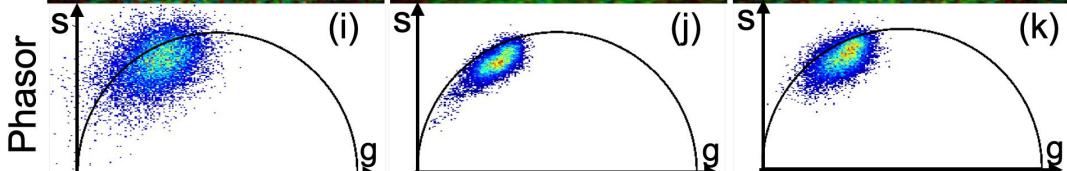
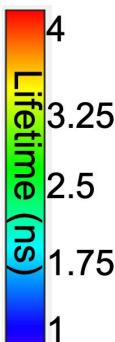
Composite lifetime



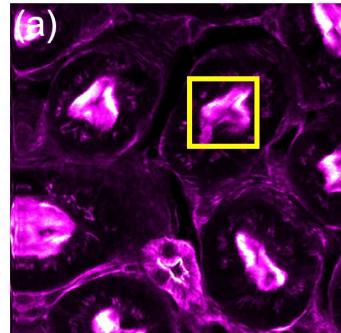
Selected ROI

Phasor

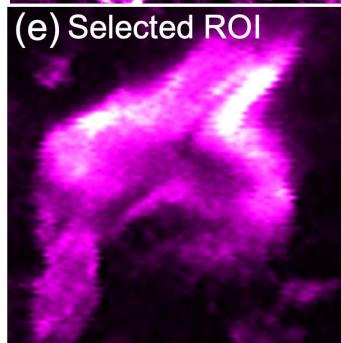
Clustering



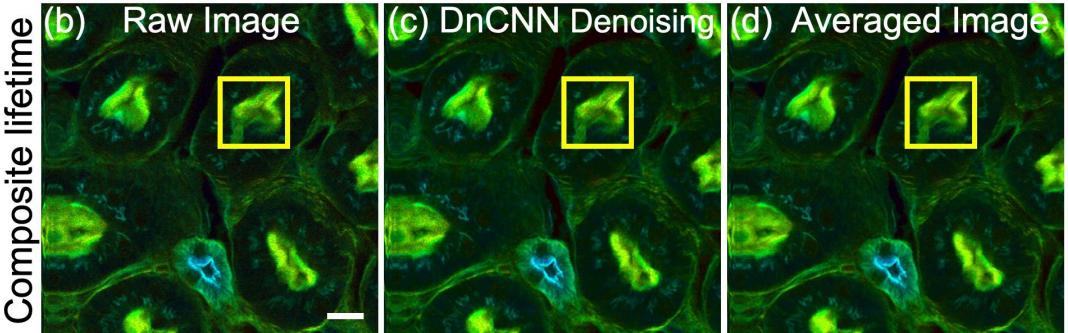
## FLIM Intensity



1  
Norm. Intensity (A.U.O)

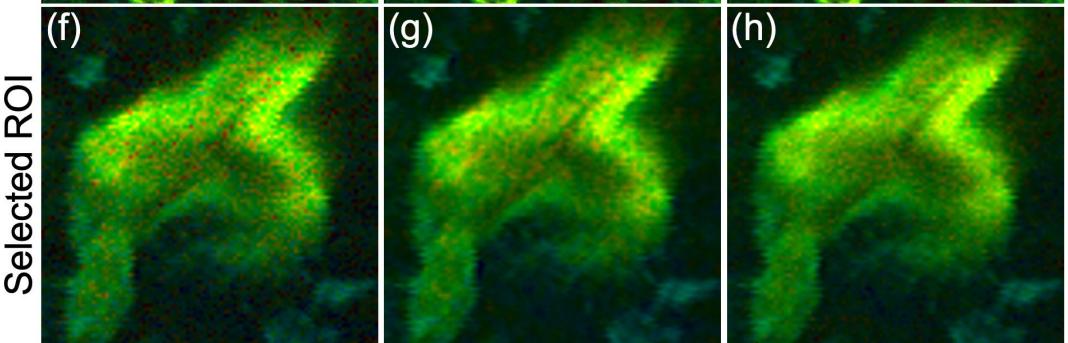


## Instant FD-FLIM Lifetime Measurement

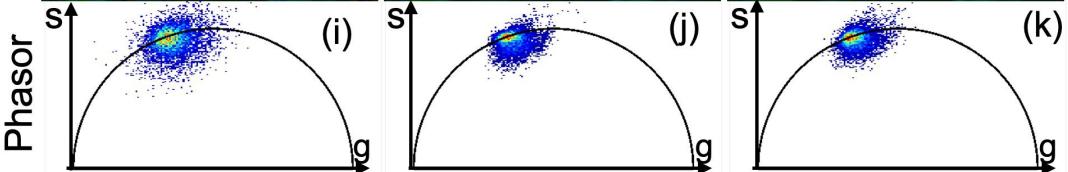


Composite lifetime

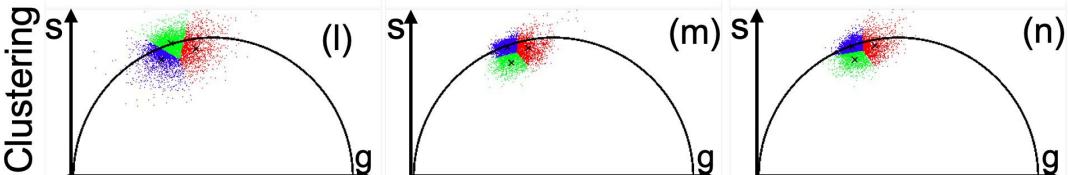
4  
3.25  
2.5  
1.75  
1  
Lifetime (ns)



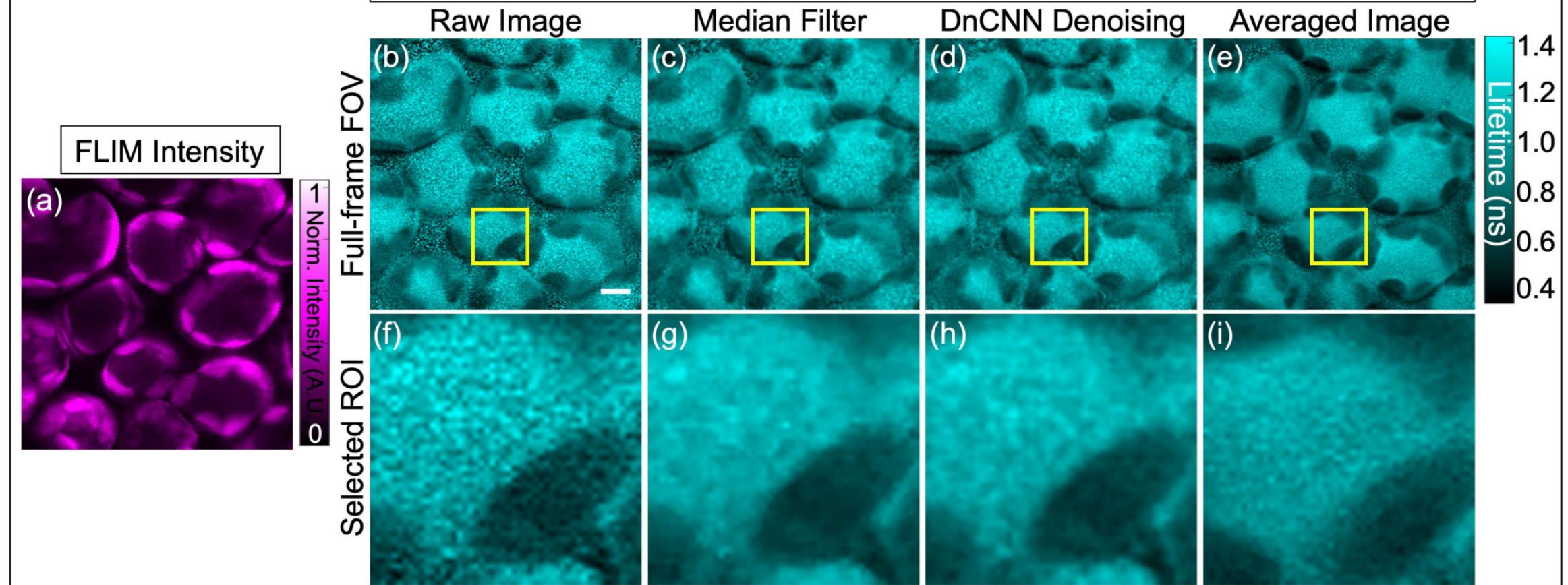
Selected ROI



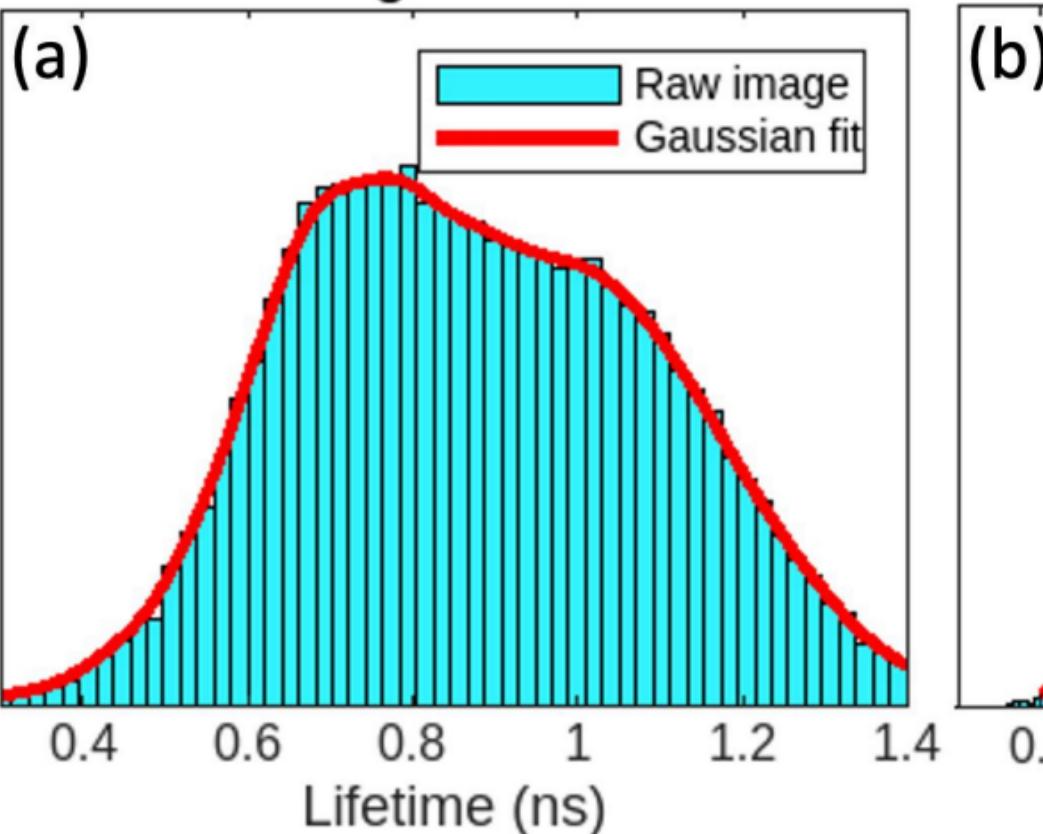
Clustering



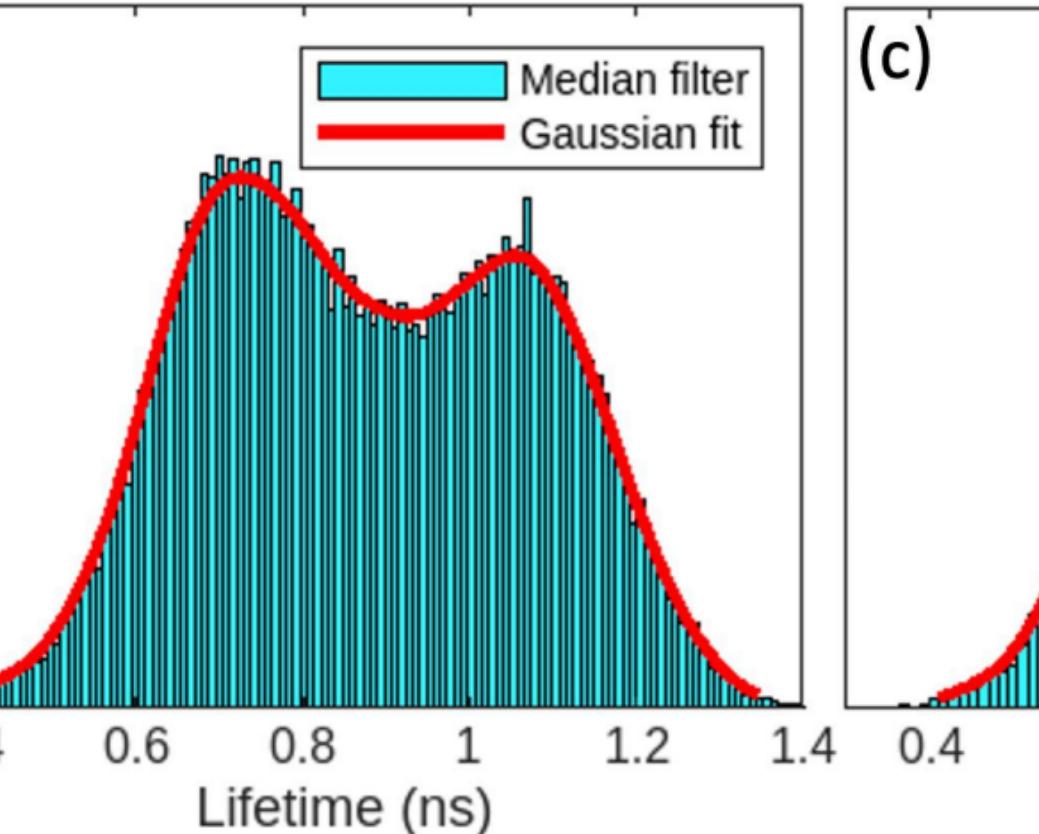
## Instant FD-FLIM Lifetime Measurement



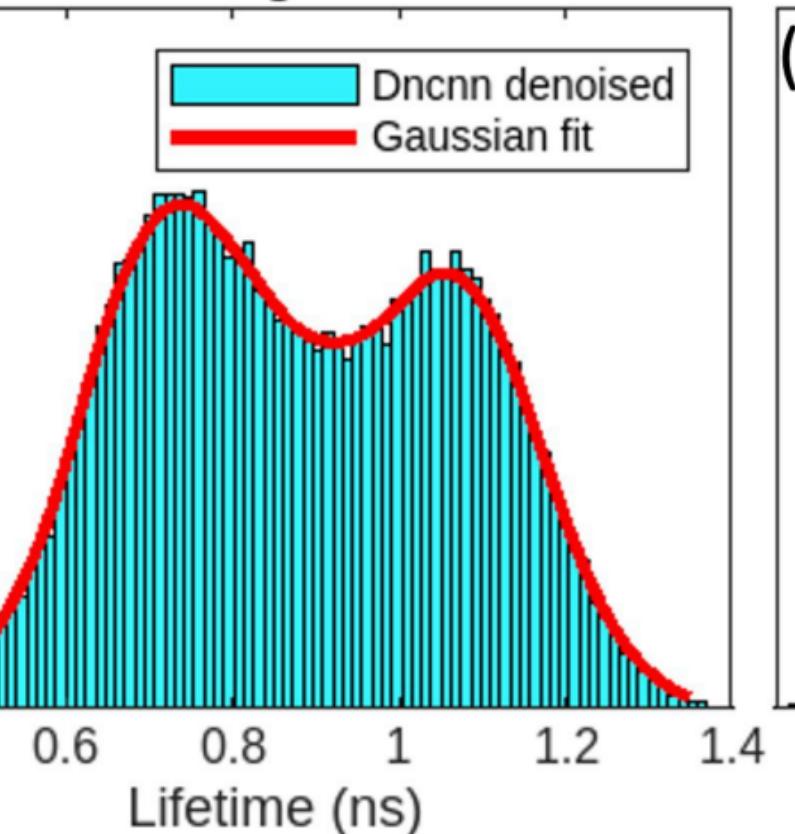
### Raw image distribution



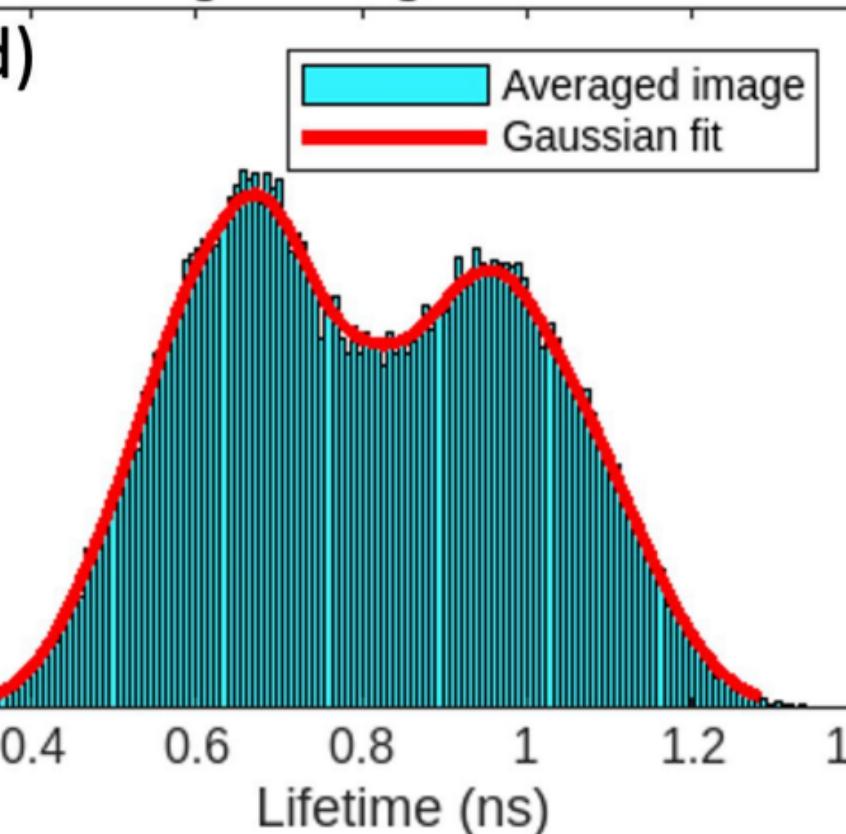
### Median filter distribution



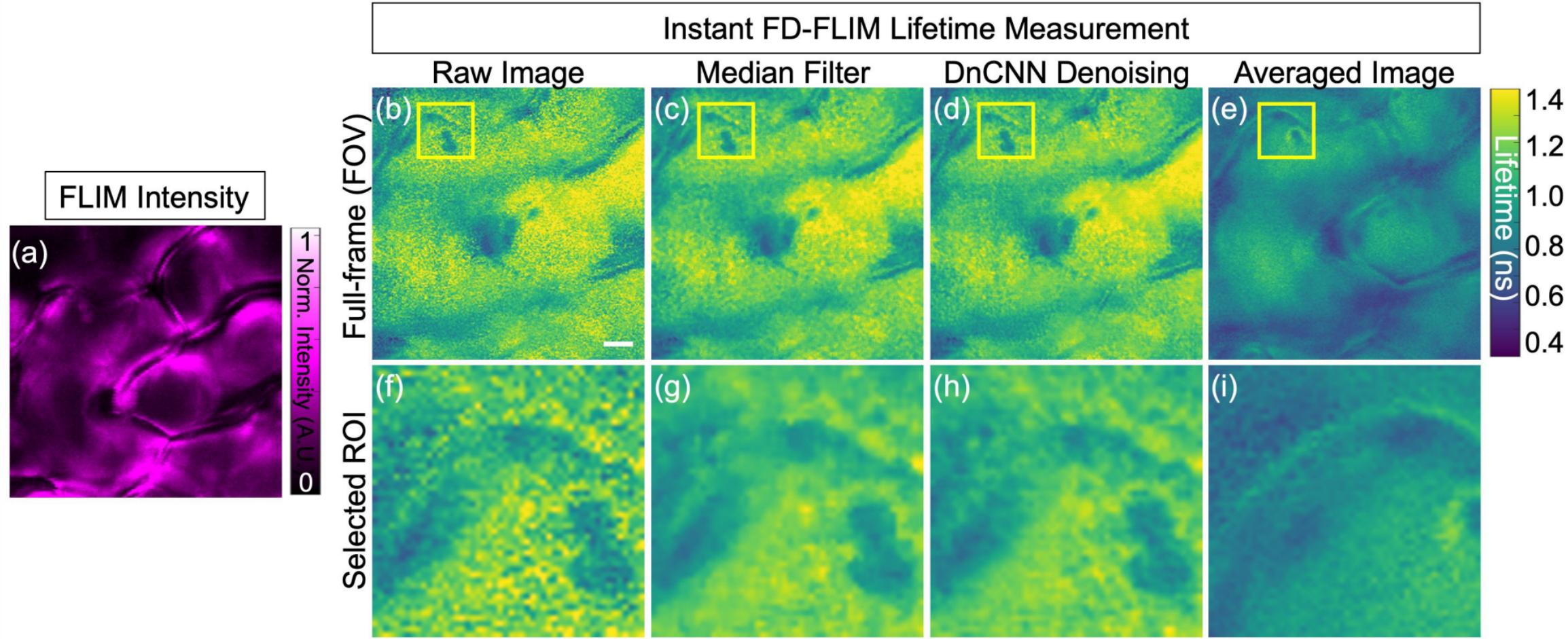
### Denoised image distribution



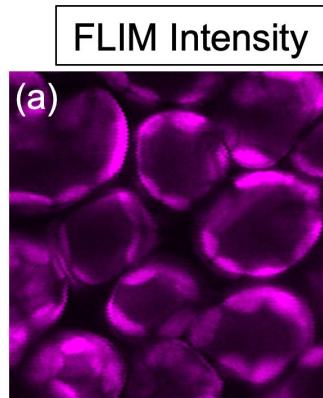
### Averaged image distribution



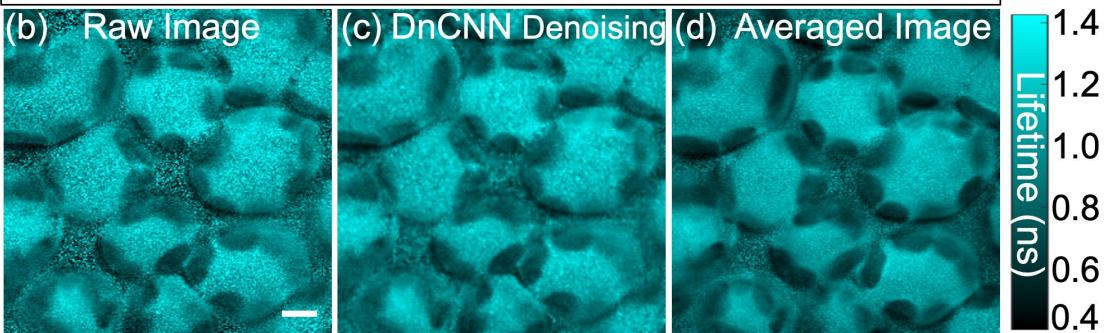
## Instant FD-FLIM Lifetime Measurement



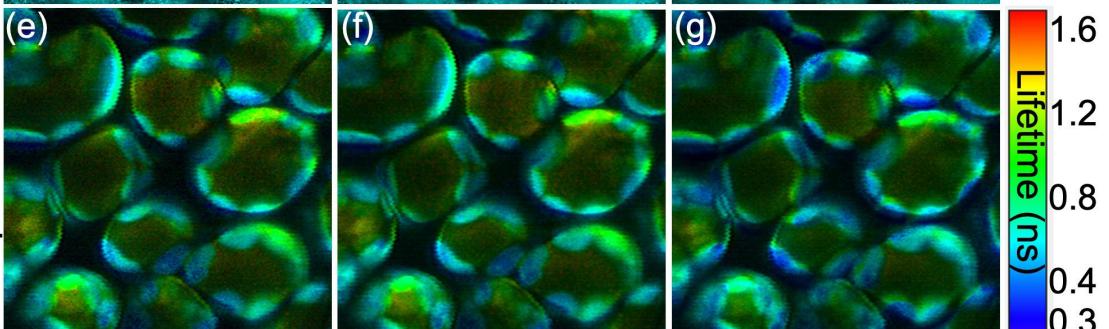
# Instant FD-FLIM Lifetime Measurement



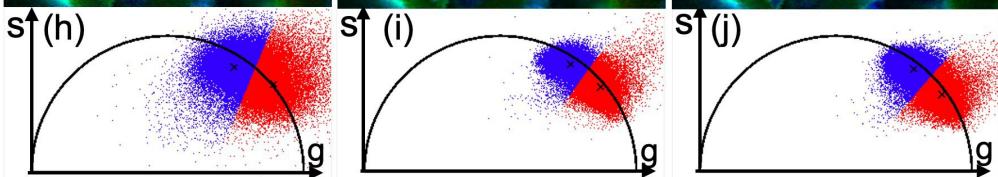
Lifetime



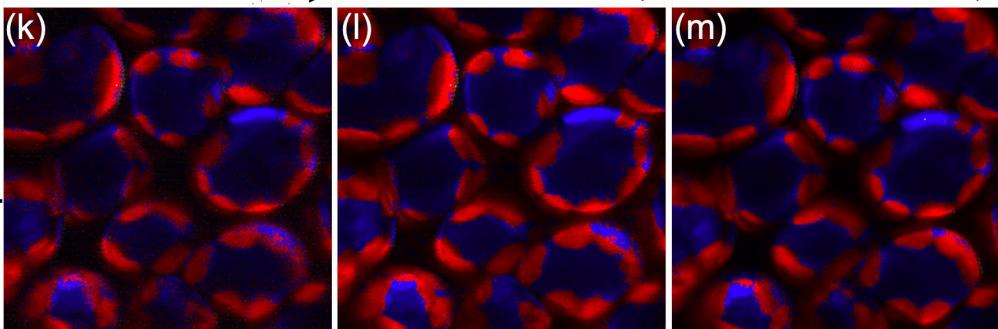
Composite lifetime



Phasor



Overlap clusters



### Instant FD-FLIM Lifetime Measurement

