Subject: Re: Calculating colocalization of three colours
Posted by pgrigis on Wed, 10 Jun 2009 15:29:53 GMT
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On Jun 4, 12:42 pm, Gianguido Cianci <gianguido.cia...@gmail.com>
wrote:
> Hi all,
>
> say I have two images, r(ed) and g(reen), and I want to know how
> colocalized these colours are. I do c1=correlate(r,g). if c is close
> to 1 then there is a lot of colocalization, if c~0 then there is none,
> if c~-1 then some joker just gave me the same image twice, inverting
> one of the copies! (usually, one calculates c on a ROI...)
>
> I am trying to figure out how to do something similar when a b(lue)
> image is added to the mix. I could do them pairwise, but that means
> for each set, I would end up with three numbers...
>
> Any ideas?
>
> Many thanks,
> Gianguido

Well, considering that you have 3 possibilities:

- all 3 correlated
- 2 correlated, one not
- none are correlated

I don't think anything less than 3 numbers would be enough anyway...

Ciao,
Paolo

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Paolo