

Partial list of Publications - Alberto Diaspro

SOON AVAILABLE ON THE WEBSITE

1. Cella, F.; Ronzitti, E.; Vicidomini, G.; Mondal, P. P. & Diaspro, A. (2008), 'Studying the illumination puzzle towards an isotropic increase of optical resolution', *Three-Dimensional and Multidimensional Microscopy: Image Acquisition and Processing XV* **6861** (1), in Jose-Angel Conchello; Carol J. Cogswell; Tony Wilson & Thomas G. Brown, ed., SPIE, 686112.
2. Mazza, D.; Braeckmans, K.; Cella, F.; Testa, I.; Vercauteren, D.; Demeester, J.; Smedt, S. S. D. & Diaspro, A. (2008), 'A New FRAP/FRAPa Method For 3-D Diffusion Measurements Based On Multi-photon Excitation Microscopy.', *Biophys J*.
3. Mondal, P. P. & Diaspro, A. (2008), 'Electric field allowed molecular transitions for one and two photon excitation microscopy.', *Eur Biophys J* **37**(6), 1073--1076.
4. Mondal, P. P.; Vicidomini, G. & Diaspro, A. (2008), 'Image reconstruction for multiphoton fluorescence microscopy', *Applied Physics Letters* **92**(10), 103902.
5. Mondal, P. P. & Diaspro, A. (2008), 'Lateral resolution improvement in two-photon excitation microscopy by aperture engineering', *Optics Communications* **281** (7), 1855--1859.
6. Musante, V.; Neri, E.; Feligioni, M.; Puliti, A.; Pedrazzi, M.; Conti, V.; Usai, C.; Diaspro, A.; Ravazzolo, R.; Henley, J. M.; Battaglia, G. & Pittaluga, A. (2008), 'Presynaptic mGlu1 and mGlu5 autoreceptors facilitate glutamate exocytosis from mouse cortical nerve endings.', *Neuropharmacology*.
7. Palamidessi, A.; Frittoli, E.; Garré, M.; Faretta, M.; Mione, M.; Testa, I.; Diaspro, A.; Lanzetti, L.; Scita, G. & Fiore, P. P. D. (2008), 'Endocytic trafficking of Rac is required for the spatial restriction of signaling in cell migration.', *Cell* **134**(1), 135-147.
8. Panfoli, I.; Musante, L.; Bachi, A.; Ravera, S.; Calzia, D.; Cattaneo, A.; Bruschi, M.; Bianchini, P.; Diaspro, A.; Morelli, A.; Pepe, I.; Tacchetti, C. & Candiano, G. (2008), 'Proteomic Analysis of the Retinal Rod Outer Segment Disks.', *J Proteome Res* **7**(7), 2654--2669.
9. Periasamy, A. & Diaspro, A. (2008), 'Visible fluorescent proteins.', *J Biomed Opt* **13**(3), 031201.

10. Raiteri, L.; Stigliani, S.; Usai, C.; Diaspro, A.; Paluzzi, S.; Milanese, M.; Raiteri, M. & Bonanno, G. (2008), 'Functional expression of release-regulating glycine transporters GLYT1 on GABAergic neurons and GLYT2 on astrocytes in mouse spinal cord.', *Neurochem Int* **52**(1-2), 103--112.
11. Ronzitti, E.; Caorsi, V. & Diaspro, A. (2008), 'Nanostructured polyelectrolyte-based system as a toolbox for metal ions detection.', *J Fluoresc* **18**(2), 375--381.
12. Testa, I.; Parazzoli, D.; Barozzi, S.; Garrè, M.; Faretta, M. & Diaspro, A. (2008), 'Spatial control of pa-GFP photoactivation in living cells.', *J Microsc* **230**(Pt 1), 48-60.
13. Testa, I.; Garrè, M.; Parazzoli, D.; Barozzi, S.; Ponzanelli, I.; Mazza, D.; Faretta, M. & Diaspro, A. (2008), 'Photoactivation of pa-GFP in 3D: optical tools for spatial confinement.', *Eur Biophys J*.
14. Diaspro, A.; Schneider, M.; Bianchini, P.; Caorsi, V.; Mazza, D.; Pesce, M.; Testa, I.; Vicidomini, G. & Usai, C. (2007), *Science of Microscopy*, chapter Two-photon excitation and confocal fluorescence microscopy., pp. 751--789.
15. Cannone, F.; Milani, R.; Chirico, G.; Diaspro, A.; Krol, S. & Campanini, B. (2007), 'Voltage regulation of single green fluorescent protein mutants.', *Biophys Chem* **125**(2-3), 368--374.
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17. Colombetti, G.; Checcucci, G.; Lucia, S.; Usai, C.; Ramoino, P.; Bianchini, P.; Pesce, M.; Vicidomini, G. & Diaspro, A. (2007), 'Evidence for ciliary pigment localization in colored ciliates and implications for their photosensory transduction chain: a confocal microscopy study.', *Microsc Res Tech* **70**(12), 1028--1033.
18. Diaspro, A. (2007), 'Introduction: advanced multiphoton and fluorescence lifetime imaging techniques.', *Microsc Res Tech* **70**(5), 397.
19. Giroso, L.; Ferrando, S.; Beltrame, F.; Ciarcia, G.; Diaspro, A.; Fato, M.; Magnone, M.; Raiteri, L.; Ramoino, P. & Tagliafierro, G. (2007), 'Gamma-aminobutyric acid and related molecules in the sea fan *Eunicella cavolini* (Cnidaria: Octocorallia): a biochemical and immunohistochemical approach.', *Cell Tissue Res* **329**(1), 187--196.

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32. Vicidomini, G.; Schneider, M.; Bianchini, P.; Krol, S.; Szellas, T. & Diaspro, A. (2007), 'Characterization of uniform ultrathin layer for z-response measurements in three-dimensional section fluorescence microscopy.', *J Microsc* **225**(Pt 1), 88--95.
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37. Diaspro, A.; Federici, F.; Faretta, M. & Usai, C. (2006), *Wiley Encyclopedia of Biomedical Engineering*, chapter CONFOCAL MICROSCOPY, pp. 993--1000.
38. Diaspro, A. & Usai, C. (2006), *Wiley Encyclopedia of Biomedical Engineering*, chapter OPTICAL MICROSCOPY, pp. 2645--2652.
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