

PROF. JACOPO LOTTI PUBBLICAZIONI

- 1) Silvestri L, Allegra Mascaro AL, Lotti J, Sacconi L, and Pavone FS. "Advanced optical techniques to explore brain structure and function". *J Innov Opt Health Sci.* 06(1)-1230002:1-15 DOI: 10.1142/S1793545812300029 (2013)
- 2) Yan P, Lotti J, Acker C, Zhou WL, Lee P, Bollendorff C, Negrean A, Sacconi L, Antic SD, Kohl P, Mansvelder HD, Pavone FS, and Loew LM. "A palette of fluorinated voltage sensitive hemicyanine dyes". *Proc Natl Acad Sci U S A,* 109(50):20443-8 (2012)
- 3) Sacconi L*, Ferrantini C*, Lotti J, Coppini R, Yan P, Loew LM, Tesi C, Cerbai E, Poggesi C, and Pavone FS. "Action potential propagation in transverse-axial tubular system is impaired in heart failure". *Proc Natl Acad Sci U S A,* 109(15):5815-9 (2012)
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- 4) Sacconi L, Allegra Mascaro AL, Buffelli M, Cesare P, D'Angelo E, Gandolfi D, Grasselli G, Lotti J, Mapelli J, Strata P, and Pavone FS. "Brain plasticity and functionality explored by nonlinear optical microscopy". SPIE Digital Library, Proc. Vol. 7589, *Frontiers in Ultrafast Optics: Biomedical, Scientific and Industrial Applications.* DOI: 10.1117/12.847879 (2010)
- 5) Sacconi L, Lotti J, O'Connor RP, Mapelli J, Gandolfi D, D'Angelo E, and Pavone FS. "Action potential detection by non-linear microscopy". SPIE Digital Library, Proc. Vol. 7161, *Photonic Therapeutics and Diagnostic.* DOI: 10.1117/12.807966 (2009)
- 6) Sacconi L, Mapelli J, Gandolfi D, Lotti J, O'Connor RP, D'Angelo E, and Pavone FS. "Optical recording of electrical activity in intact neuronal networks with random access second-harmonic generation microscopy". *Opt Express,* 16: 14910-14921 (2008)
- 7) Quattrone A, Lotti J, Hanna D, and Bertini I. "Approcci Genomici e Molecolari in Dermatologia: la Biologia dei Sistemi". *LA MEDICINA. Grandi Temi. Dermatologia Clinica,* Prima ed. UTET, Torino, 1:45-52 (2006)