

Prof. Francesco Pavone (male)

Professor at the University of Florence, Department of Physics, and Director of the European Laboratory for Non-Linear Spectroscopy (LENS). He's directing a research group working in the field of biophotonics on single molecule biophysics, microscopy imaging-spectroscopy techniques, biomedical imaging, laser manipulation of bio-samples. In particular, he is developing new microscopy techniques for high resolution and high sensitivity imaging, and for laser manipulation purposes. These techniques have been applied both for single molecule biophysics, single cell imaging and optical manipulation. Tissue imaging is another research area developed, where non-linear optical techniques have been applied for skin and neural tissue imaging also in-vivo. Pavone is author of many international papers and editor of international books. He has more than 100 invited talks and he is editor of international journals. He coordinates several European projects and he has organized several international congresses; he is also winner of a European Research Council Advanced Grant (2016- 2021) and has an h-index equal to 37 (updating 31.03.2017). For the Human Brain Project Prof. Pavone is Scientific leader of the Co-Design Project 1 (CDP1)- Development of Whole Mouse Brain Model and Related Mouse Brain Atlas, in HBP-SGA1 and President of the HBP Italian Community. Moreover he is Deputy SP Leader for SP2 and WP leader in SP1 Mouse Brain Organisation and SP2 Human Brain Organisation.