

Supplemental Information

PLASMON-INDUCED OXIDATIVE STRESS AND MACROMOLECULAR DAMAGE IN PATHOGENIC BACTERIA

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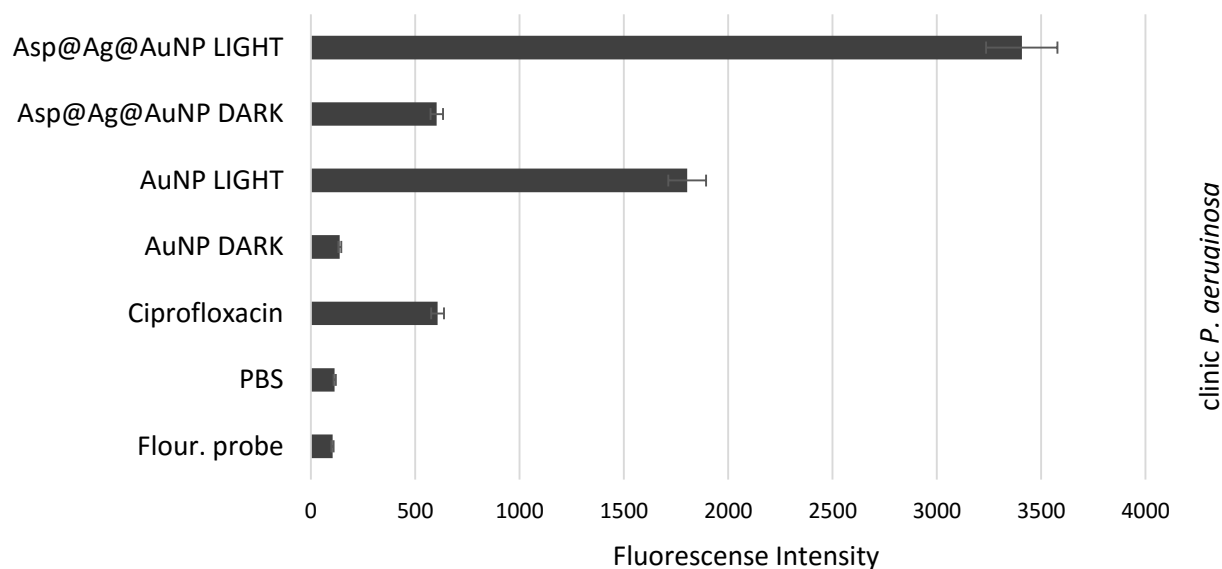


Figure 1 (SI). ROS production after 4 h of PACT in a clinical strain of *P. aeruginosa* treated with Asp@Ag@AuNP, AuNP and CIP. Control without nanoparticles (PBS), without irradiation (DARK) and blank of the fluorescent probe (DHR) are shown.

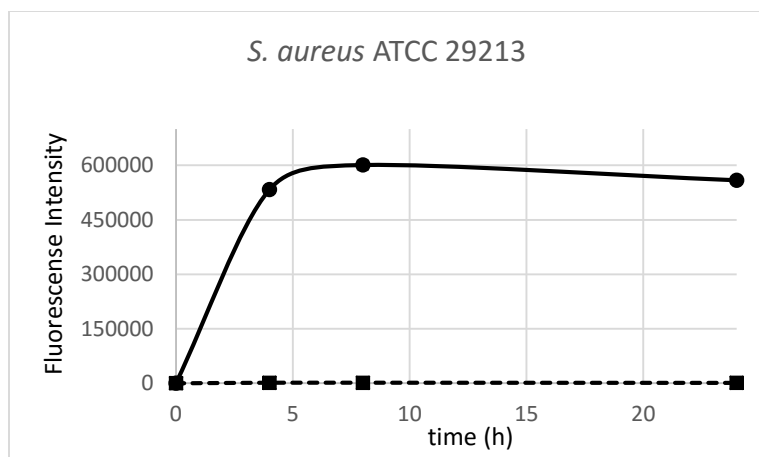


Figure 2 (SI). Lipid oxidation on *S. aureus* ATCC 29213 with AuNP (2 mM) exposed to LIGHT and kept in the DARK. The fluorescence intensity of the probe CF (1 μ M) is proportional to the lipid peroxidation.

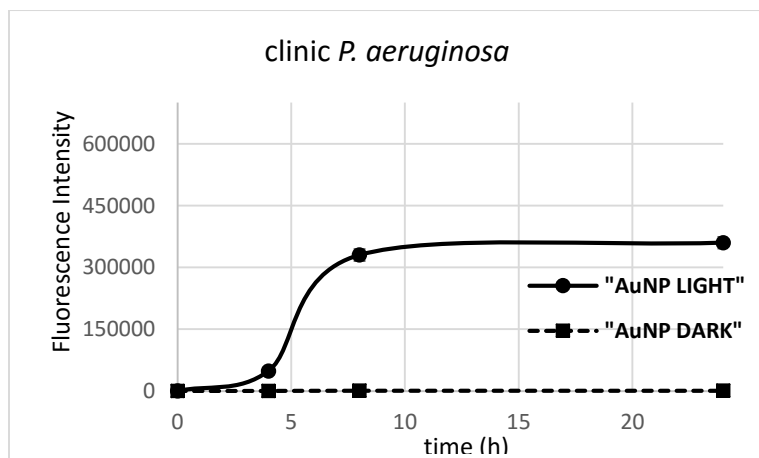


Figure 3. Lipid oxidation on clinic *P. aeruginosa* with AuNP (2 mM) exposed to LIGHT and kept in the DARK. The fluorescence intensity of the probe CF (1 μ M) is proportional to the lipid peroxidation.

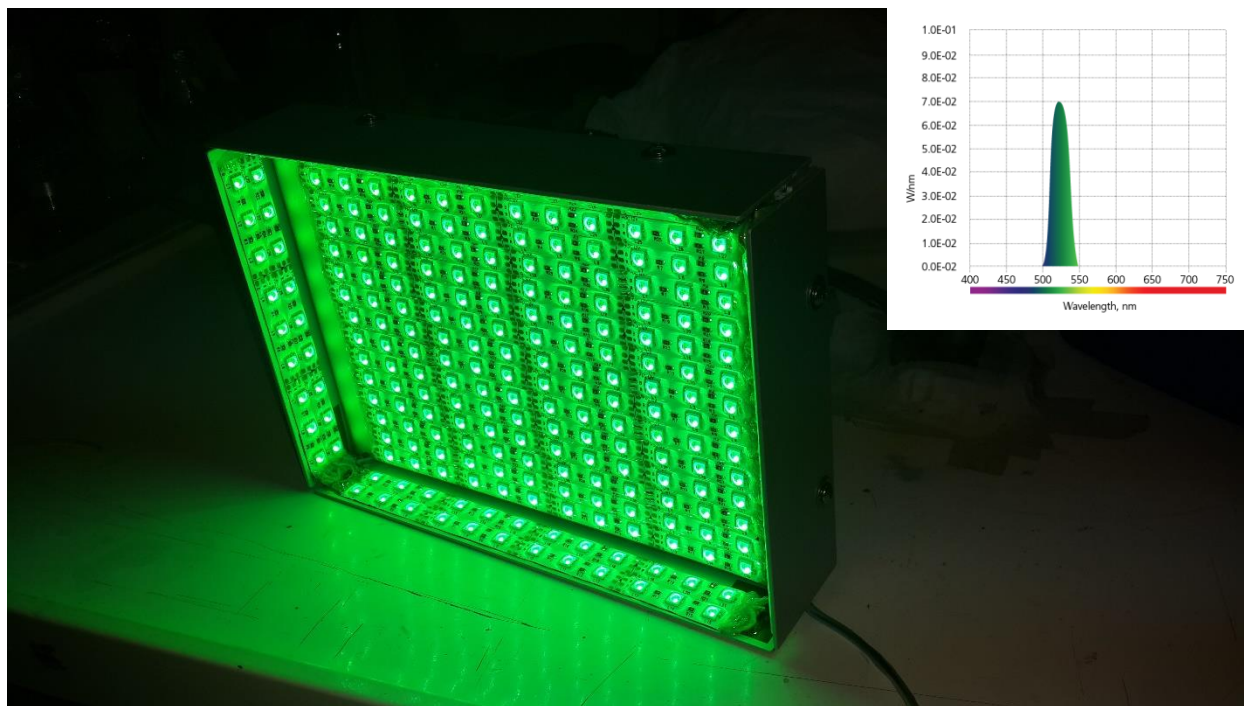


Figure 4. LED panel built *ad hoc* for irradiation of AuNP plasmon at 525 nm. Emission spectrum inserted in the right top corner.