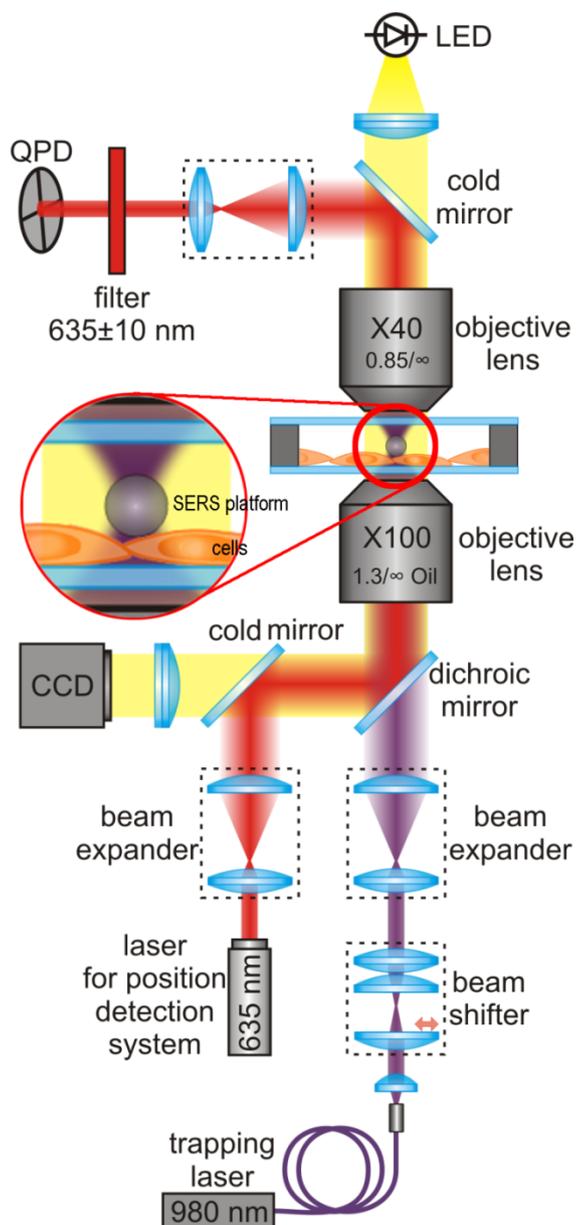
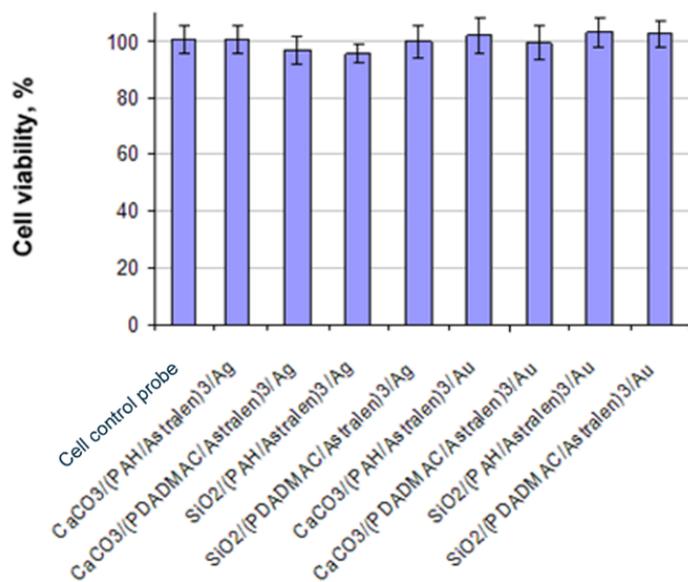


**Supporting Information.** Supporting information includes scheme of laser tweezers equipment, Viability test of L929 line cells after 24 hours incubation with SERS platforms and the video of the SERS platform moving in cell culture medium in real time and the delivery to cell surface. It's necessary to notice that the area containing the individual cells was chosen for video recording in order to obtain a clearer picture. This material is available free of charge via the Internet.



**Figure S1.** Scheme of laser tweezers equipment.



**Figure S2.** The results of viability test of L929 line cells after 24 hours incubation in the presence of various SERS platforms. Control (a monolayer culture without SERS platforms) was taken as 100%.