

Probing lipids in biological membranes using SERS

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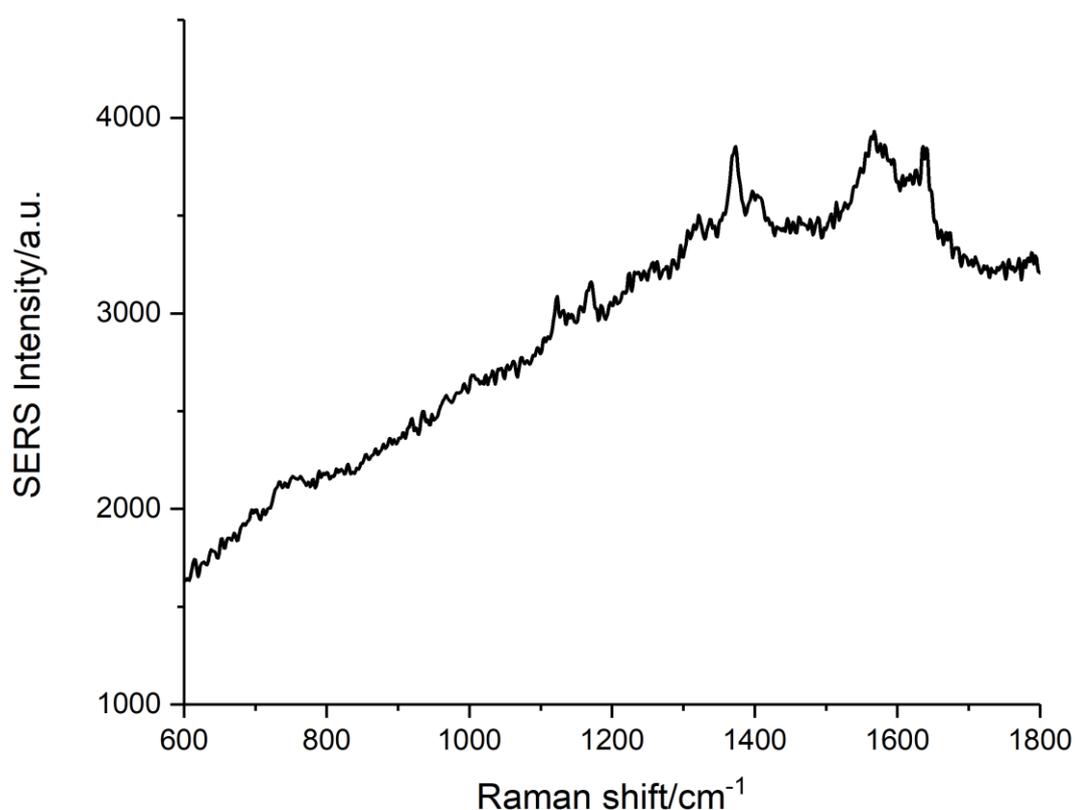


Figure S1 SERS spectrum of isolated mitochondria supplemented with 5mM succinate, 2 mM pyruvate, 5mM malate, 0.1 mM ADP placed on silver nanostructures (low-frequency range).

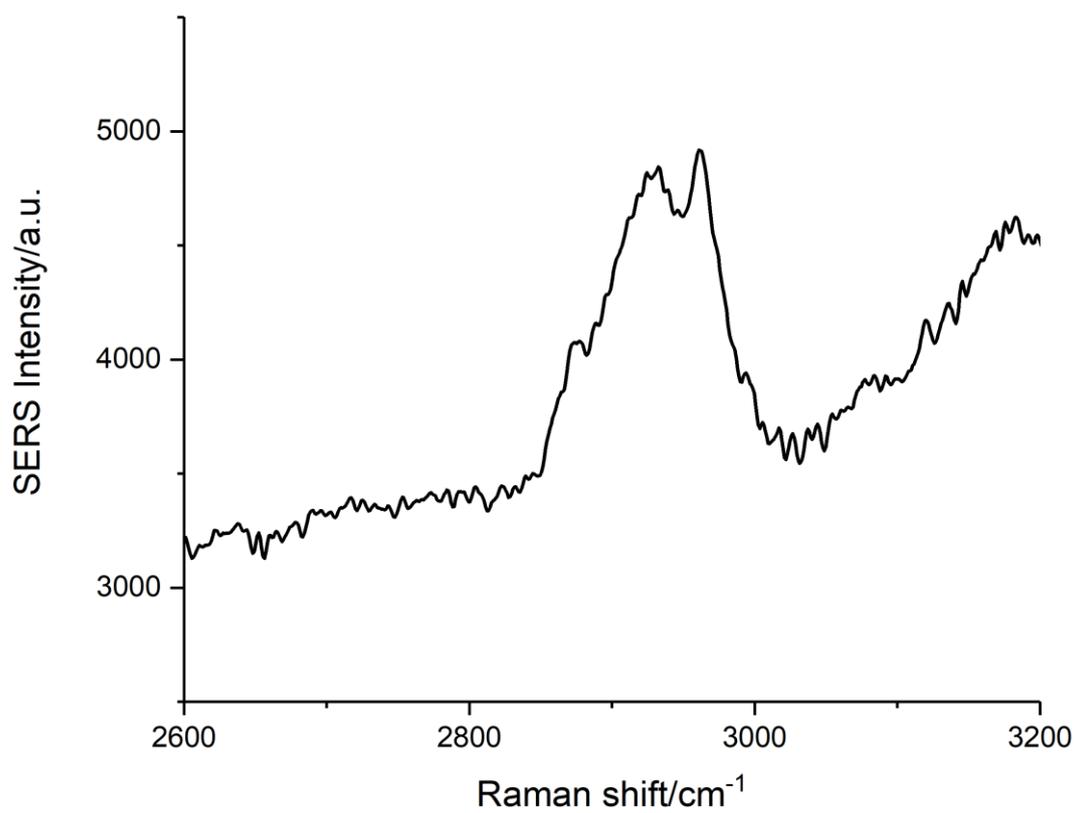


Figure S2 SERS spectrum of isolated mitochondria supplemented with 5mM succinate, 2 mM pyruvate, 5mM malate, 0.1 mM ADP placed on silver nanostructures (high-frequency range).

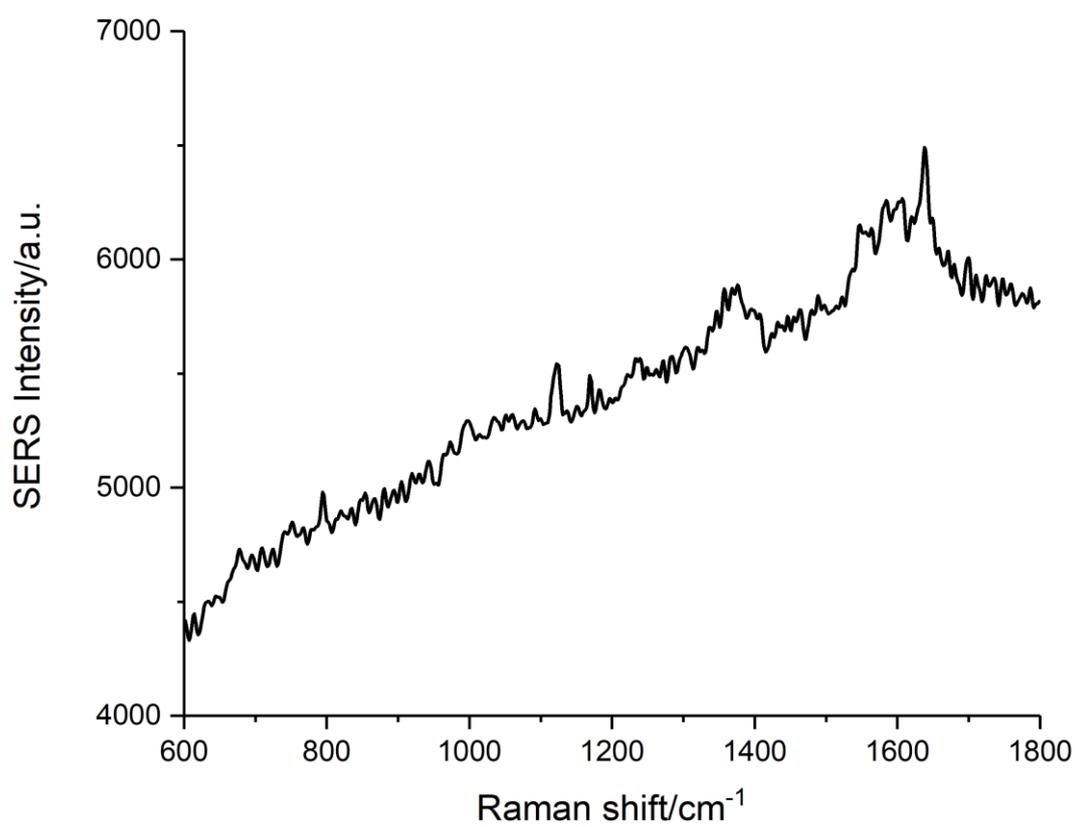


Figure S3 SERS spectrum of erythrocyte ghosts placed on silver nanostructures (low-frequency range).

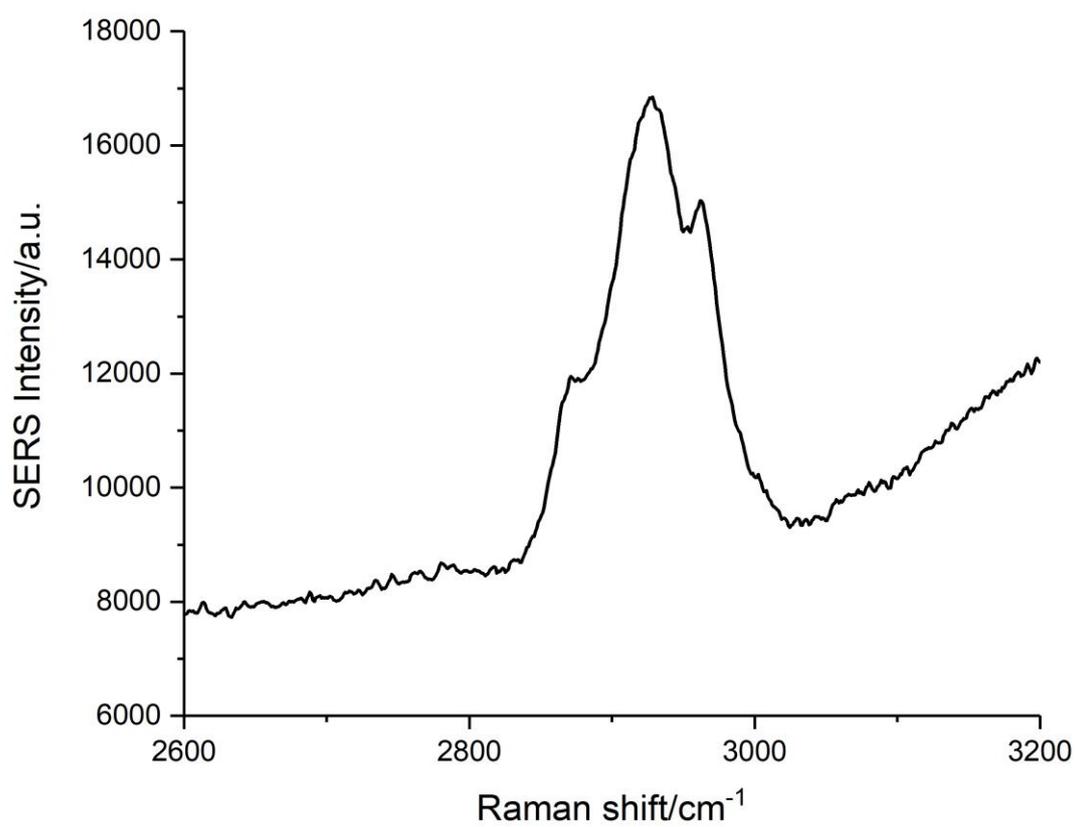


Figure S4 SERS spectrum of erythrocyte ghosts placed on silver nanostructures (high-frequency range).

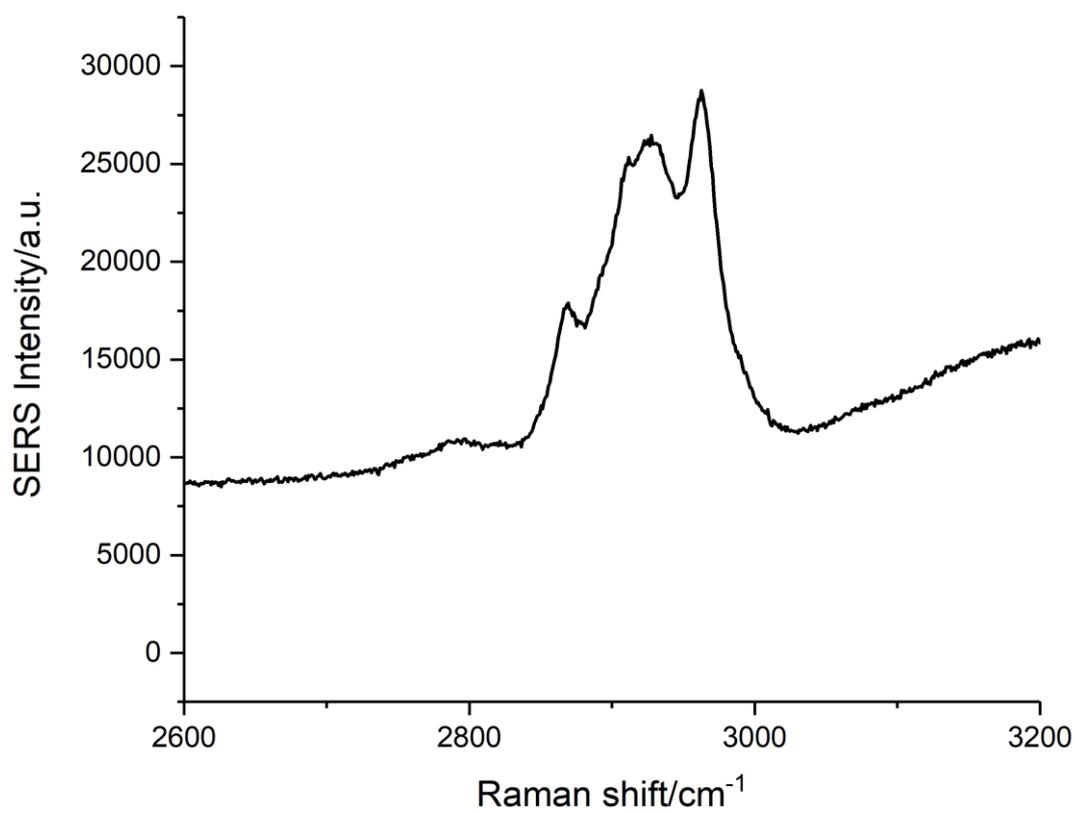


Figure S5 SERS spectrum of liposomes consisting of phosphatidylcholine placed on silver nanostructures.

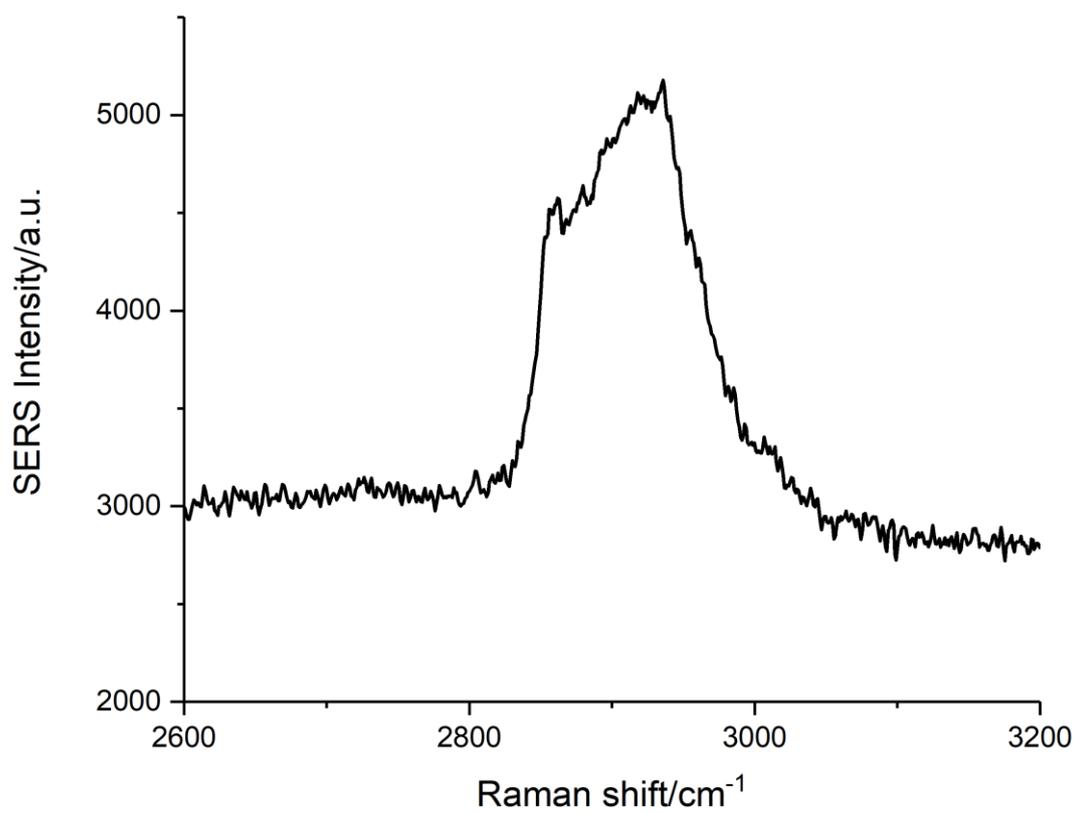


Figure S6 SERS spectrum of liposomes consisting of cardiolipin placed on silver nanostructures.

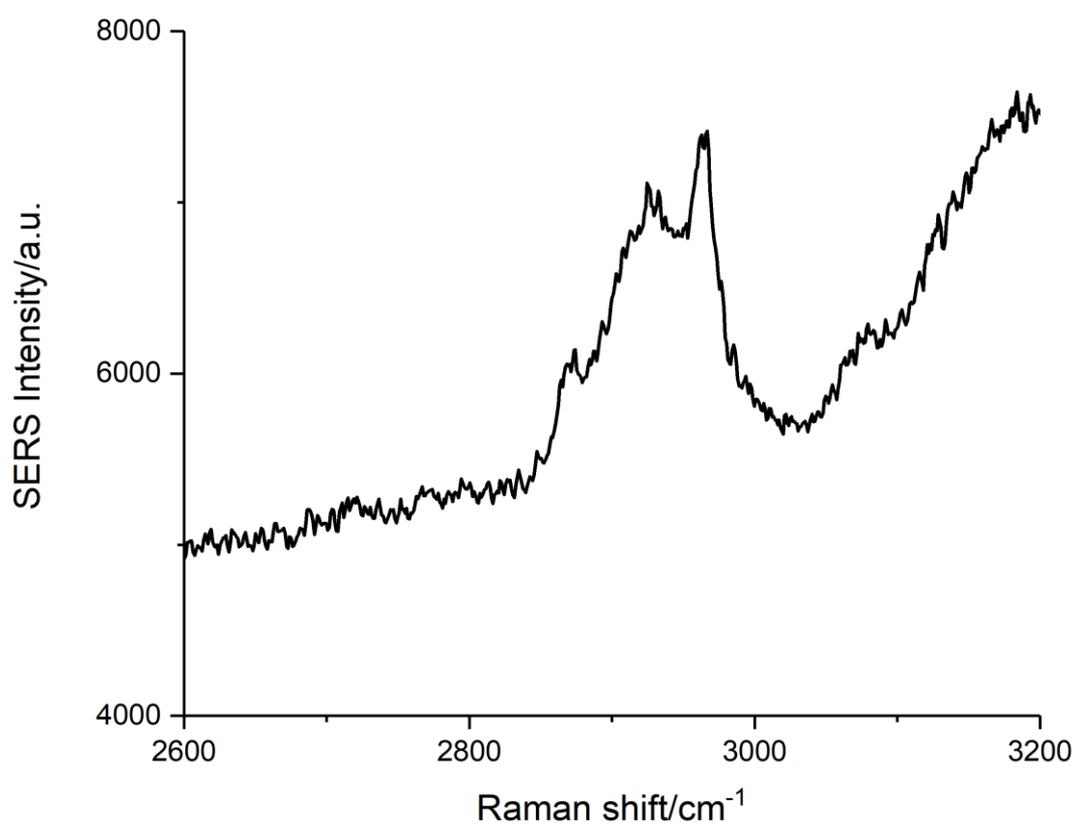


Figure S7 SERS spectrum of liposomes consisting of phosphatidylcholine and cardiolipin (4:1) with enclosed cytochrome C (6.5 μ M) placed on silver nanostructures.