



Fig S1. TEM images of AgNPs (A, C, E) and Hybrid (B, D, F). Scale bar (White) is 200 nm. Scale bar (Orange) is 10 nm.

Table: Phospholipid profile of Biomembrane hybrid silver nanoparticles, related to Fig 3.

Abbreviations: phosphatidylcholines; PC, phosphatidylethanolamines; PE, phosphatidylserines; PS, phosphatidylglycerols; PG, phosphatidylinositol; PI, sphingomyelins; SM, lysophosphatidylcholines; LPC, lysophosphatidylethanolamines; LPE, lysophosphatidylglycerols; LPG, lysophosphatidylinositols; LPI. Lipids are denoted by class abbreviations and by the total number of carbon atoms and double bonds in the fatty acyl chains, shown as (carbon: number of double bonds)

Lipid names	Conc. (ug/mL)	Content. (%)
PG(32:0)	649.13	19.57
PC(36:2)	526.24	15.86
PC(38:2)	360.03	10.85
PE(36:2)	281.71	8.49
PC(34:1)	255.57	7.70
SM(40:1)	169.59	5.11
PE(30:1)	98.15	2.96
SM(40:7)	78.33	2.36
PG(36:2)	75.01	2.26
PG(28:0)	70.39	2.12
PC(38:1)	61.26	1.85
PE(34:1)	47.51	1.43
PE(30:0)	46.77	1.41
PE(36:1)	44.46	1.34
LPG(20:3)	41.64	1.26
LPG(20:4)	41.26	1.24
PC(36:4)	33.75	1.02
PG(28:2)	31.25	0.94
PC(40:2)	30.00	0.90
PC(36:0)	23.75	0.72
LPC(16:0)	23.75	0.72
PC(34:0)	20.00	0.60
PE(34:2)	18.75	0.57
PC(36:3)	16.25	0.49
LPG(14:0)	16.25	0.49
LPG(20:0)	15.00	0.45
LPG(22:1)	15.00	0.45
PC(34:2)	15.00	0.45
SM(34:1)	15.00	0.45
PC(30:1)	13.75	0.41
PC(38:6)	12.50	0.38

Lipid names	Conc. (ug/mL)	Content. (%)
LPE(14:1)	12.50	0.38
PE(38:2)	12.44	0.37
LPG(16:0)	11.25	0.34
SM(36:1)	11.25	0.34
LPE(14:0)	10.00	0.30
LPC(14:0)	10.00	0.30
LPC(18:1)	10.00	0.30
LPC(18:2)	10.00	0.30
PC(38:5)	10.00	0.30
PE(34:0)	10.00	0.30
LPG(14:1)	10.00	0.30
PC(32:1)	7.50	0.23
PC(40:1)	7.50	0.23
PE(28:0)	7.50	0.23
PE(32:1)	7.50	0.23
LPG(16:1)	7.50	0.23
LPG(22:0)	7.50	0.23
LPG(22:6)	7.50	0.23