

A Straightforward Method for the Development of Positively Charged Gold Nanoparticle-Based Vectors for Effective siRNA Delivery

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Table of content:

Table S1. Statistical analysis for the data presented in Figure 3.....	2
Table S2. Statistical analysis for the data presented in Figure 4.....	2
Table S3. Statistical analysis for the data presented in Figure 5a.....	2
Table S4. Statistical analysis for the data presented in Figure 5b.....	3

Table S1. Statistical analysis for the data presented in Figure 3. SEAP production by SEAP-ARPE-19 cells 6 h, 24 h and 48 h post-transfection with CPP-AuNPs in Opti-MEM

Time of SEAP measurement	Dose of CPP/AuNPs added (μg)	Number of measurements	Mean (LU)	Upper limit (LU)	Lower limit (LU)
6 h	0	5	10750	800	100
6 h	12	5	16500	100	50
6h	28	5	19300	500	100
6 h	40	5	20800	300	100
24 h	0	5	37400	350	150
24 h	12	5	39500	1050	200
24 h	28	5	48200	750	200
24 h	40	5	49500	1200	150
48 h	0	5	12500	900	100
48 h	12	5	15200	650	50
48 h	28	5	12000	100	100
48 h	40	5	9500	300	200

Table S2. Statistical analysis for the data presented in Figure 4. SEAP secretion by SEAP-ARPE-19 cells 24 h post-transfection

Dose of siRNA/CPP-AuNPs complex added (μg)	Number of measurements	Mean (LU)	Upper limit (LU)	Lower limit (LU)
0/0	7	29700	600	100
0.1/4	7	36200	700	200
0.3/12	7	46500	500	100
0.5/20	7	23200	400	200
0.7/28	7	17300	300	100

Table S3. Statistical analysis for the data presented in Figure 5a. Cell viability 48 h post-transfection in serum-free medium Opti-MEM.

Compounds added	Dose, μg	Number of measurements	Mean (%)	Upper limit (%)	Lower limit (%)
CPP	4	5	83	3	0.5
CPP	12	5	86	5	1
CPP	28	5	17	4	1
CPP-AuNP	12	5	95	3	1
CPP-AuNP	28	5	107	6	2
siRNA/CPP	12	5	100	2	1
siRNA/CPP	28	5	16	3	1
siRNA/CPP-AuNP	12	5	86	5	2
siRNA/CPP-AuNP	28	5	105	4	1

Table S4. Statistical analysis for the data presented in Figure 5b. Cell viability 48 h post-transfection in serum-containing medium DMEM/F-12.

Compounds added	Eq. dose of CPP, μg	Number of measurments	Mean (%)	Upper limit (%)	Lower limit (%)
CPP	4	5	78	6	2
CPP	12	5	102	4	1
CPP	28	5	42	3	1
CPP-AuNP	12	5	106	5	2
CPP-AuNP	28	5	100	3	0
siRNA/CPP	12	5	105	3	1
siRNA/CPP	28	5	43	4	2
siRNA/CPP-AuNP	12	5	127	3	2
siRNA/CPP-AuNP	28	5	168	5	1