

Supporting Information

Transportation and fate of gold nanoparticles in oilseed rape

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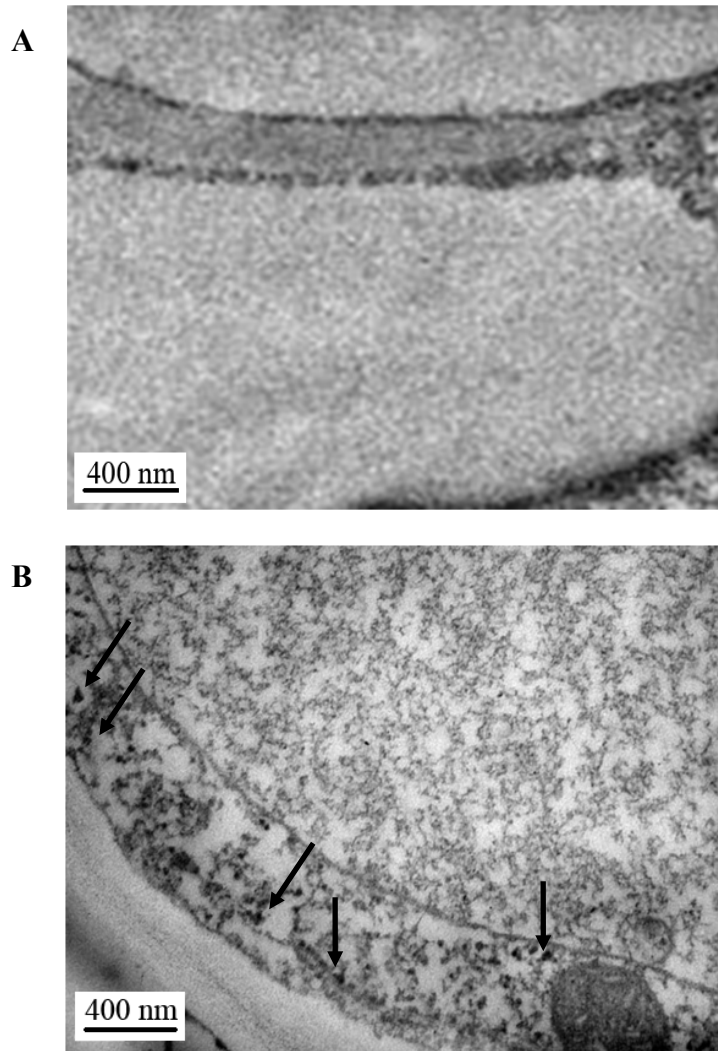


Fig. S1. TEM images of plantlet stems. (A) control (B) rape plantlet were exposed to a AuNPs suspension (10nM) for 3 days. Black arrows indicate the location of the AuNPs.

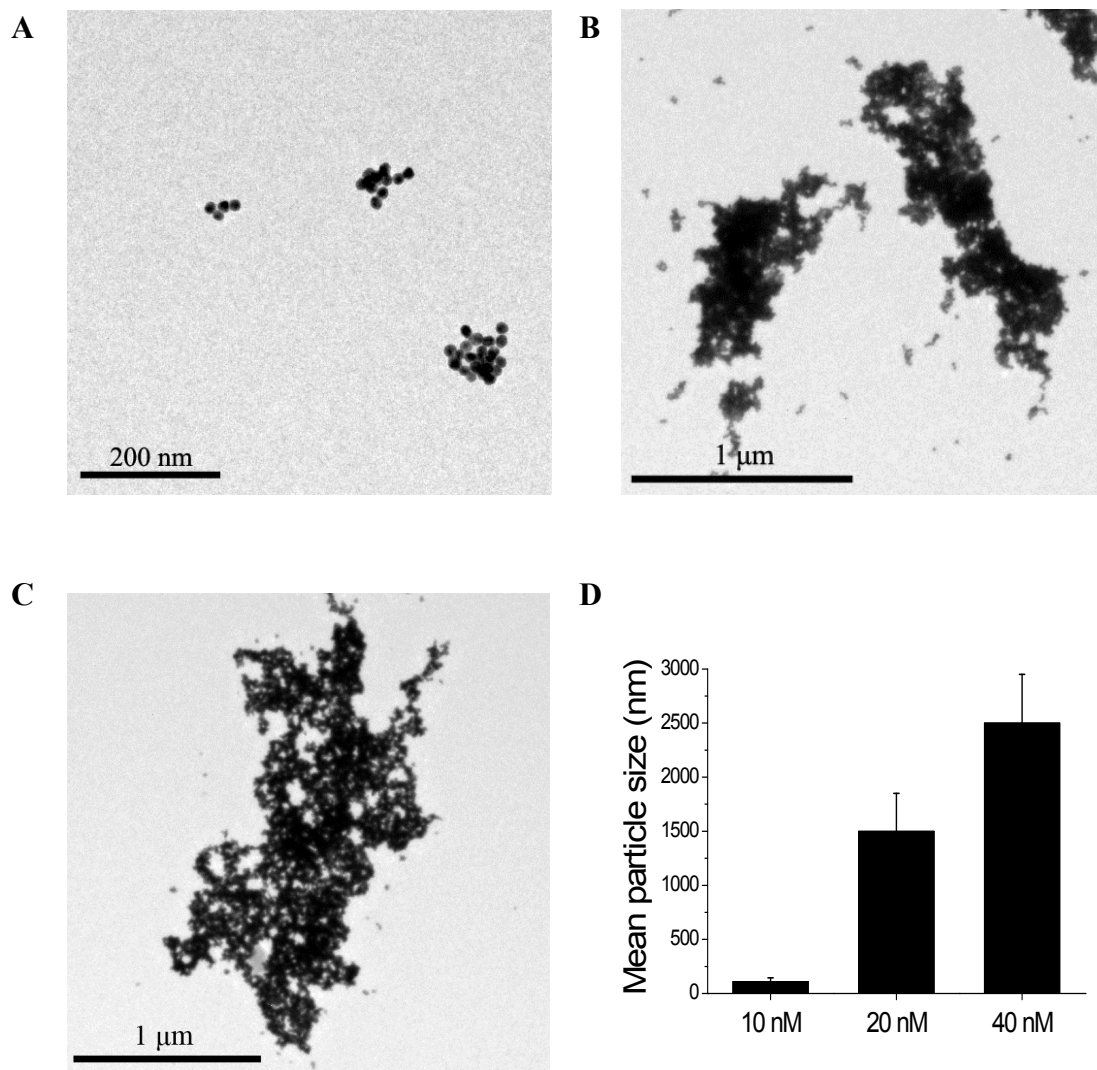


Fig. S2. TEM images of AuNPs in physiological buffer solution containing salt (~2.5mM PBS). The concentration of AuNPs is 10nM (A), 20nM (B), and 40nM (C). (D) 10 aggregates/sample were analysed and each data point represents the mean value (\pm SE).

Table S1. The average content of metal elements in plant tissues.

		Control	10nM	20nM	40nM
Stem	K mg/g	8.1	7.9	8.3	8.0
	Ca µg/g	41.9	41.2	40.8	41.0
	Fe µg/g	21.8	21.4	21.6	22.0
	Zn µg/g	30.4	31.9	30.6	31.6
Leave	K mg/g	2.0	2.2	2.1	2.0
	Ca µg/g	29.7	29.7	30.1	29.4
	Fe µg/g	62.5	63.6	62.4	61.9
	Zn µg/g	34.6	35.0	33.2	33.3